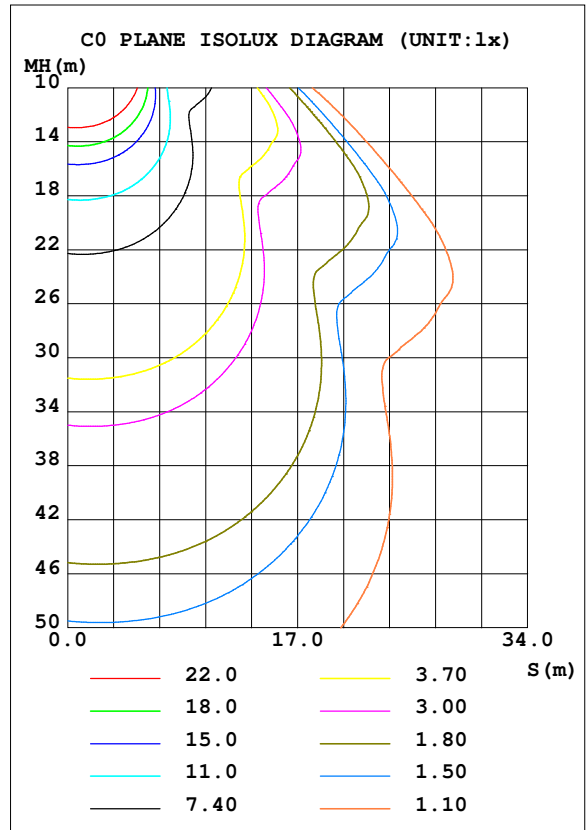
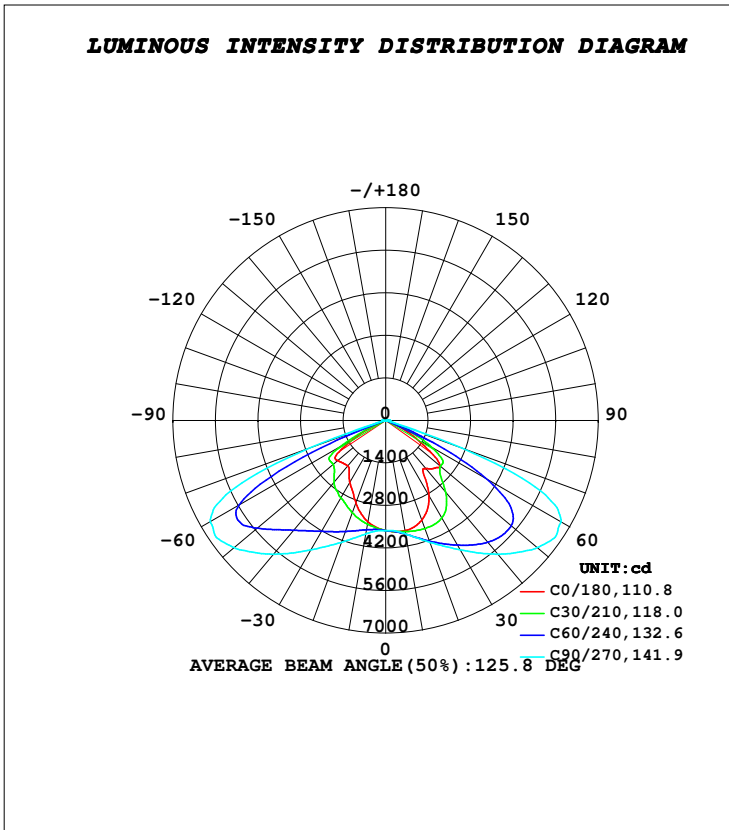


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.40 lm/W			
MODEL	60w Epistar COB	I <sub>max</sub> (cd)	6856	S/MH(C0/180)	0.99
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	2.32
RATED VOLTAGE(V)	240.0	TOTAL FLUX(lm)	14597	η UP, DN(C0-180)	0.5, 49.6
NOMINAL FLUX(lm)	14596.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 49.4
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.0	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	3675	3674	3655	3575	3535	3575	3655	3674	0- 5	86.69	86.69	0.59,0.59
10	3684	3765	3793	3558	3390	3558	3793	3765	5- 10	260.8	347.4	2.38,2.38
15	3629	3894	4007	3561	3171	3561	4007	3894	10- 15	437.7	785.2	5.38,5.38
20	3489	4041	4269	3567	2881	3567	4269	4041	15- 20	616.8	1402	9.6,9.6
25	3247	4191	4568	3571	2584	3571	4568	4191	20- 25	794.9	2197	15.1,15.1
30	2852	4327	4913	3566	2368	3566	4913	4327	25- 30	970.6	3167	21.7,21.7
35	2214	4415	5320	3418	2096	3418	5320	4415	30- 35	1136	4304	29.5,29.5
40	2073	4411	5746	3381	1953	3381	5746	4411	35- 40	1286	5590	38.3,38.3
45	2237	4235	6147	3360	1993	3360	6147	4235	40- 45	1448	7038	48.2,48.2
50	2334	3703	6512	3290	2063	3290	6512	3703	45- 50	1608	8646	59.2,59.2
55	1778	3008	6760	2711	1986	2711	6760	3008	50- 55	1724	10370	71,71
60	1090	2162	6663	1936	1223	1936	6663	2162	55- 60	1681	12051	82.6,82.6
65	455.0	1172	5797	872.2	309.5	872.2	5797	1172	60- 65	1374	13425	92,92
70	78.95	343.7	2671	80.58	54.49	80.58	2671	343.7	65- 70	768.2	14193	97.2,97.2
75	58.22	71.21	184.6	48.26	48.12	48.26	184.6	71.21	70- 75	165.5	14359	98.4,98.4
80	39.29	73.69	91.47	45.18	35.94	45.18	91.47	73.69	75- 80	30.38	14389	98.6,98.6
85	11.58	67.80	111.9	56.62	18.50	56.62	111.9	67.80	80- 85	25.45	14414	98.8,98.8
90	3.143	56.57	126.6	57.44	8.422	57.44	126.6	56.57	85- 90	30.90	14445	99,99
95	8.784	23.80	45.18	40.86	7.516	40.86	45.18	23.80	90- 95	24.06	14469	99.1,99.1
100	4.971	17.04	19.01	25.40	4.616	25.40	19.01	17.04	95-100	13.21	14483	99.2,99.2
105	6.272	17.89	21.31	14.50	6.176	14.50	21.31	17.89	100-105	8.122	14491	99.3,99.3
110	7.817	19.90	25.05	13.93	7.816	13.93	25.05	19.90	105-110	8.260	14499	99.3,99.3
115	9.359	21.21	26.74	16.59	9.684	16.59	26.74	21.21	110-115	8.949	14508	99.4,99.4
120	11.05	20.43	27.62	18.92	11.78	18.92	27.62	20.43	115-120	9.273	14517	99.5,99.5
125	12.77	19.68	28.58	20.98	14.09	20.98	28.58	19.68	120-125	9.403	14527	99.5,99.5
130	14.17	20.19	29.37	22.86	16.42	22.86	29.37	20.19	125-130	9.351	14536	99.6,99.6
135	15.82	22.53	30.29	24.53	18.64	24.53	30.29	22.53	130-135	9.176	14545	99.6,99.6
140	17.90	25.52	31.92	26.25	21.00	26.25	31.92	25.52	135-140	9.096	14554	99.7,99.7
145	20.81	27.34	33.38	28.11	23.40	28.11	33.38	27.34	140-145	8.934	14563	99.8,99.8
150	23.03	28.59	33.63	29.59	25.42	29.59	33.63	28.59	145-150	8.412	14572	99.8,99.8
155	24.95	29.02	33.15	30.53	26.93	30.53	33.15	29.02	150-155	7.465	14579	99.9,99.9
160	26.53	29.24	32.64	30.89	28.09	30.89	32.64	29.24	155-160	6.281	14585	99.9,99.9
165	27.87	29.45	32.19	30.90	29.19	30.90	32.19	29.45	160-165	4.975	14590	100,100
170	29.07	29.99	32.04	30.88	30.09	30.88	32.04	29.99	165-170	3.610	14594	100,100
175	30.03	30.32	31.94	30.72	30.59	30.72	31.94	30.32	170-175	2.196	14596	100,100
180	30.94	30.90	31.91	30.62	30.81	30.62	31.91	30.90	175-180	0.7380	14597	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 7038.3 lm

%lum = 48.2%

%lamp = 48.2%

Conical surface Flux(120deg): 12051 lm

%lum = 82.6%

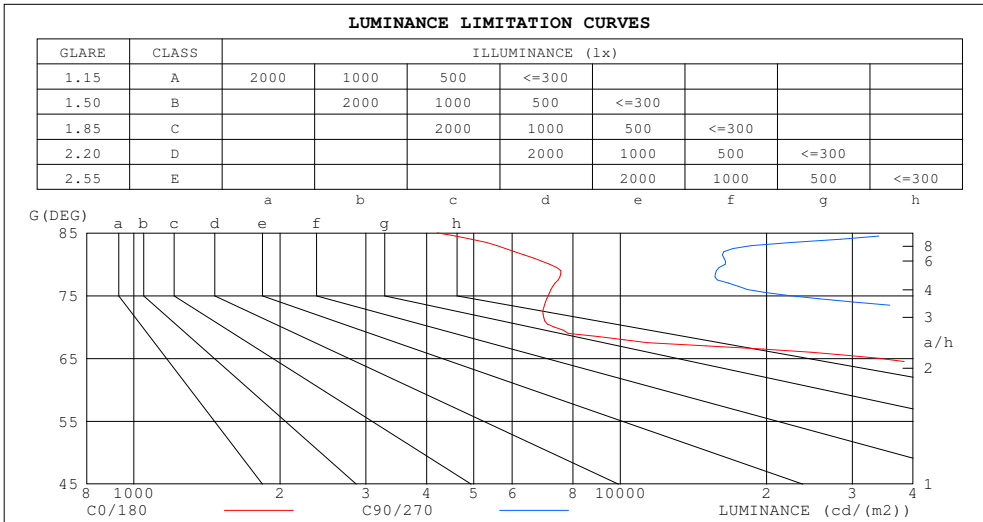
%lamp = 82.6%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:20.4DEG  
 Operators:JK  
 Test Date:09 November 2016

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:50%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4207	40094
80	7163	16447
75	7121	22267
70	7308	243828
65	34084	428325
60	69041	416080
55	98120	368018
50	114956	316350
45	100172	271417

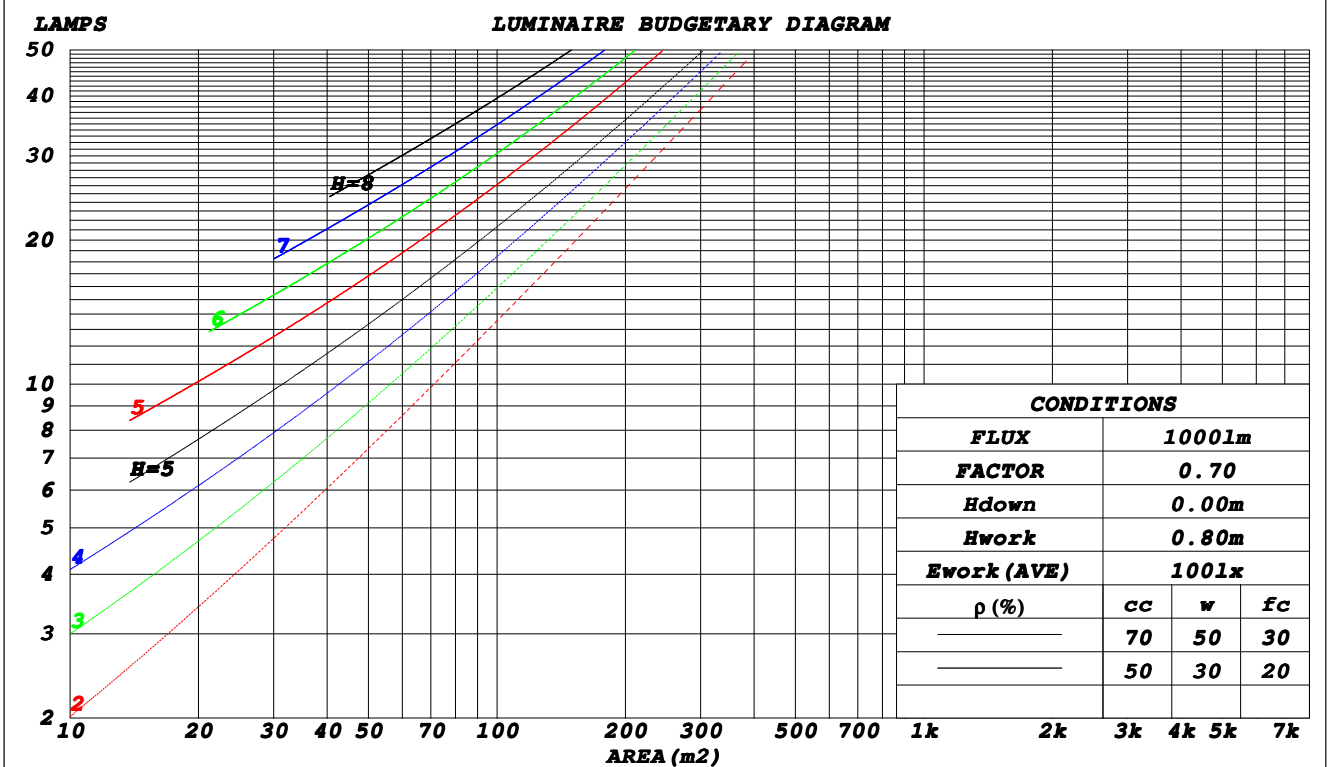
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>															
	<b>Coefficients of Utilization(CU)</b>															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.90	.89	.87	.85
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.52	.46	.60	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.49	.40	.34	.48	.40	.34	.47	.39	.33	.45	.38	.33	.44	.37	.33	.31
8.0	.44	.36	.30	.44	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.40	.32	.26	.40	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.25	.24
10.0	.37	.29	.23	.36	.29	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 20.4DEG  
 Operators: JK  
 Test Date: 09 November 2016

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 50%  
 Test Distance: 8.300m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients (WEC)</b>									
0.0																
1.0	.284	.162	.051	.277	.158	.050	.263	.151	.048	.250	.144	.046	.239	.138	.045	
2.0	.280	.153	.047	.274	.151	.046	.261	.145	.045	.250	.140	.044	.240	.136	.043	
3.0	.266	.142	.042	.261	.140	.042	.250	.135	.041	.240	.131	.040	.231	.128	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.122	.037	.218	.118	.036	
5.0	.234	.119	.035	.229	.118	.034	.221	.115	.034	.212	.112	.033	.205	.110	.033	
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.199	.103	.030	.192	.101	.030	
7.0	.204	.101	.029	.200	.100	.028	.193	.098	.028	.187	.096	.028	.180	.094	.028	
8.0	.191	.093	.026	.187	.092	.026	.181	.090	.026	.175	.089	.026	.170	.087	.025	
9.0	.179	.086	.024	.176	.086	.024	.170	.084	.024	.165	.083	.024	.160	.081	.023	
10.0	.168	.081	.022	.165	.080	.022	.160	.079	.022	.155	.077	.022	.151	.076	.022	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients (CCEC)</b>									
0.0	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.160	.141	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.179	.140	.107	.153	.121	.093	.105	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.172	.122	.083	.147	.106	.072	.101	.073	.050	.058	.043	.030	.019	.014	.010	
4.0	.165	.109	.066	.142	.094	.058	.097	.066	.041	.056	.038	.024	.018	.013	.008	
5.0	.159	.099	.055	.136	.086	.048	.094	.060	.034	.054	.035	.020	.018	.011	.007	
6.0	.152	.091	.047	.131	.078	.041	.090	.055	.029	.052	.032	.017	.017	.011	.006	
7.0	.145	.084	.041	.125	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
8.0	.139	.078	.036	.120	.068	.032	.083	.048	.022	.048	.028	.013	.016	.009	.004	
9.0	.133	.073	.033	.115	.064	.029	.079	.045	.020	.046	.026	.012	.015	.009	.004	
10.0	.127	.069	.030	.110	.060	.026	.076	.042	.019	.044	.025	.011	.014	.008	.004	

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
<b>x = 2H y = 2H</b>	<b>27.9</b>	<b>29.5</b>	<b>28.2</b>	<b>29.7</b>	<b>29.9</b>	<b>35.4</b>	<b>36.9</b>	<b>35.6</b>	<b>37.1</b>	<b>37.4</b>
<b>3H</b>	<b>27.8</b>	<b>29.3</b>	<b>28.2</b>	<b>29.5</b>	<b>29.8</b>	<b>36.5</b>	<b>37.9</b>	<b>36.8</b>	<b>38.2</b>	<b>38.5</b>
<b>4H</b>	<b>27.7</b>	<b>29.1</b>	<b>28.1</b>	<b>29.4</b>	<b>29.6</b>	<b>36.4</b>	<b>37.8</b>	<b>36.7</b>	<b>38.0</b>	<b>38.3</b>
<b>6H</b>	<b>27.6</b>	<b>28.9</b>	<b>28.0</b>	<b>29.2</b>	<b>29.5</b>	<b>36.3</b>	<b>37.6</b>	<b>36.7</b>	<b>37.9</b>	<b>38.2</b>
<b>8H</b>	<b>27.6</b>	<b>28.8</b>	<b>27.9</b>	<b>29.1</b>	<b>29.4</b>	<b>36.3</b>	<b>37.5</b>	<b>36.6</b>	<b>37.8</b>	<b>38.1</b>
<b>12H</b>	<b>27.5</b>	<b>28.7</b>	<b>27.9</b>	<b>29.0</b>	<b>29.3</b>	<b>36.2</b>	<b>37.4</b>	<b>36.6</b>	<b>37.7</b>	<b>38.0</b>
<b>4H 2H</b>	<b>29.1</b>	<b>30.4</b>	<b>29.4</b>	<b>30.7</b>	<b>31.0</b>	<b>35.2</b>	<b>36.5</b>	<b>35.5</b>	<b>36.8</b>	<b>37.1</b>
<b>3H</b>	<b>29.0</b>	<b>30.2</b>	<b>29.4</b>	<b>30.5</b>	<b>30.8</b>	<b>36.3</b>	<b>37.5</b>	<b>36.7</b>	<b>37.8</b>	<b>38.1</b>
<b>4H</b>	<b>28.9</b>	<b>30.0</b>	<b>29.3</b>	<b>30.3</b>	<b>30.7</b>	<b>36.2</b>	<b>37.3</b>	<b>36.6</b>	<b>37.6</b>	<b>38.0</b>
<b>6H</b>	<b>28.8</b>	<b>29.7</b>	<b>29.2</b>	<b>30.1</b>	<b>30.5</b>	<b>36.1</b>	<b>37.1</b>	<b>36.6</b>	<b>37.4</b>	<b>37.8</b>
<b>8H</b>	<b>28.8</b>	<b>29.6</b>	<b>29.2</b>	<b>30.0</b>	<b>30.4</b>	<b>36.1</b>	<b>36.9</b>	<b>36.5</b>	<b>37.3</b>	<b>37.7</b>
<b>12H</b>	<b>28.7</b>	<b>29.5</b>	<b>29.2</b>	<b>29.9</b>	<b>30.4</b>	<b>36.1</b>	<b>36.8</b>	<b>36.5</b>	<b>37.2</b>	<b>37.7</b>
<b>8H 4H</b>	<b>28.8</b>	<b>29.7</b>	<b>29.3</b>	<b>30.1</b>	<b>30.5</b>	<b>36.1</b>	<b>36.9</b>	<b>36.5</b>	<b>37.3</b>	<b>37.7</b>
<b>6H</b>	<b>28.8</b>	<b>29.5</b>	<b>29.2</b>	<b>29.9</b>	<b>30.3</b>	<b>36.0</b>	<b>36.7</b>	<b>36.5</b>	<b>37.1</b>	<b>37.6</b>
<b>8H</b>	<b>28.7</b>	<b>29.3</b>	<b>29.2</b>	<b>29.8</b>	<b>30.3</b>	<b>36.0</b>	<b>36.6</b>	<b>36.5</b>	<b>37.0</b>	<b>37.5</b>
<b>12H</b>	<b>28.7</b>	<b>29.2</b>	<b>29.2</b>	<b>29.7</b>	<b>30.2</b>	<b>36.0</b>	<b>36.5</b>	<b>36.4</b>	<b>36.9</b>	<b>37.4</b>
<b>12H 4H</b>	<b>28.8</b>	<b>29.6</b>	<b>29.2</b>	<b>30.0</b>	<b>30.4</b>	<b>36.0</b>	<b>36.8</b>	<b>36.5</b>	<b>37.2</b>	<b>37.7</b>
<b>6H</b>	<b>28.7</b>	<b>29.3</b>	<b>29.2</b>	<b>29.8</b>	<b>30.3</b>	<b>36.0</b>	<b>36.6</b>	<b>36.5</b>	<b>37.0</b>	<b>37.5</b>
<b>8H</b>	<b>28.7</b>	<b>29.2</b>	<b>29.2</b>	<b>29.7</b>	<b>30.2</b>	<b>35.9</b>	<b>36.5</b>	<b>36.4</b>	<b>36.9</b>	<b>37.4</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.9 / - 1.3</b>					<b>+ 0.2 / - 0.2</b>				
<b>1.5H</b>	<b>+ 0.6 / - 0.6</b>					<b>+ 1.2 / - 1.5</b>				
<b>2.0H</b>	<b>+ 1.6 / - 3.1</b>					<b>+ 2.5 / - 5.1</b>				

**CIE Pub.117 Corrected 14597 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.3)**
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:20.4DEG**  
**Operators:JK**  
**Test Date:09 November 2016**
**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity:50%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

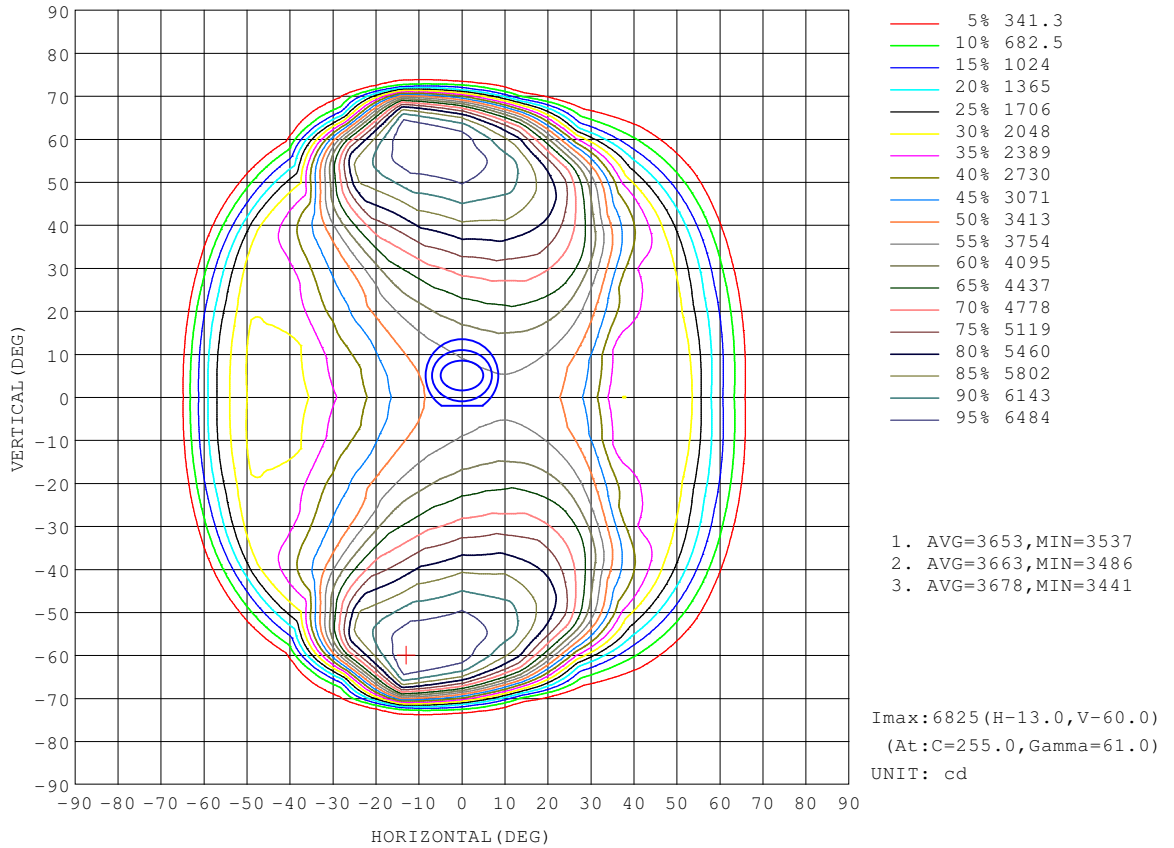
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	40	33	52	40	33	50	39	32	25
0.80	64	51	44	63	51	43	61	50	43	36
1.00	74	62	55	73	62	54	70	63	54	46
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	86	76	70	82	74	69	61
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	86	97	90	85	93	87	83	74
3.00	103	96	91	100	94	90	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	101	107	102	99	102	99	96	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:20.4DEG**  
**Operators:JK**  
**Test Date:09 November 2016**

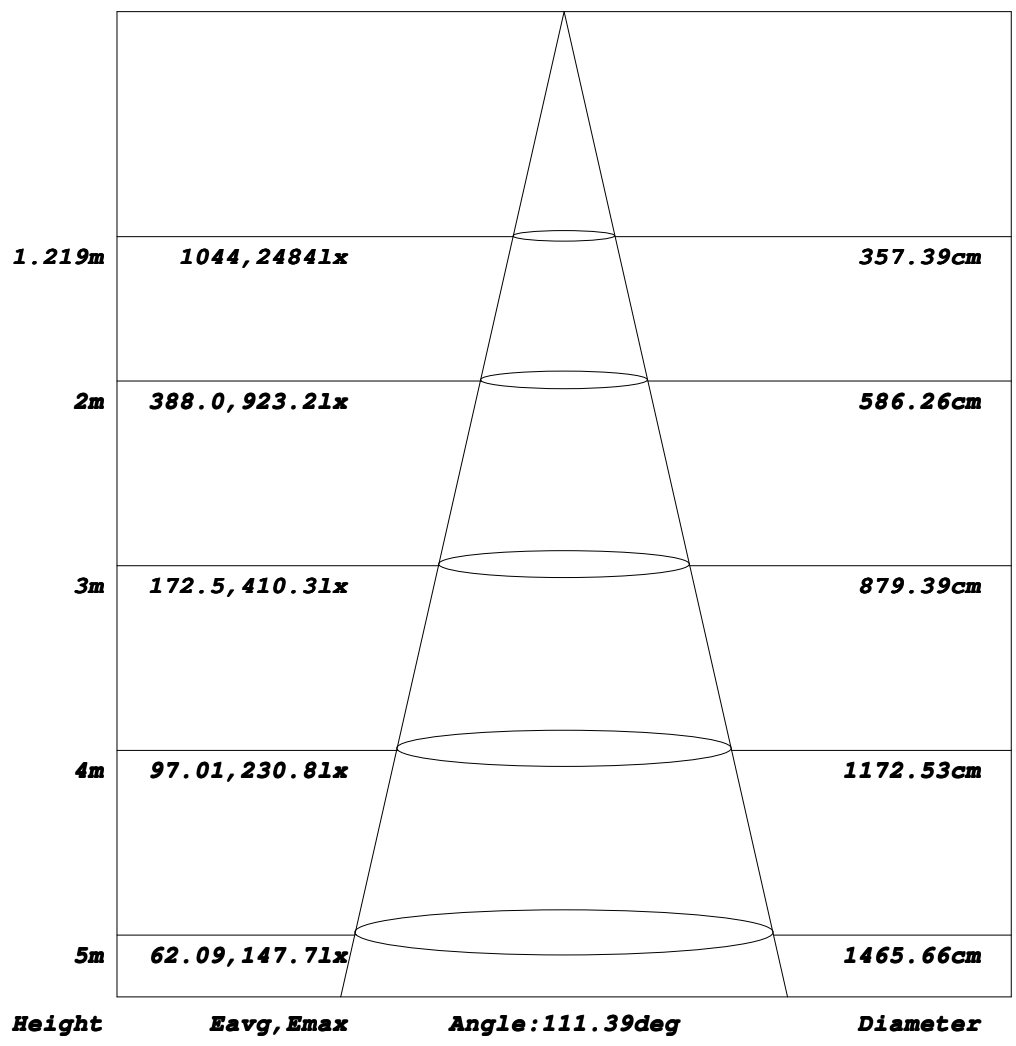
**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity:50%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**



**AAI Figure**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

**Flux out:10718 lm**



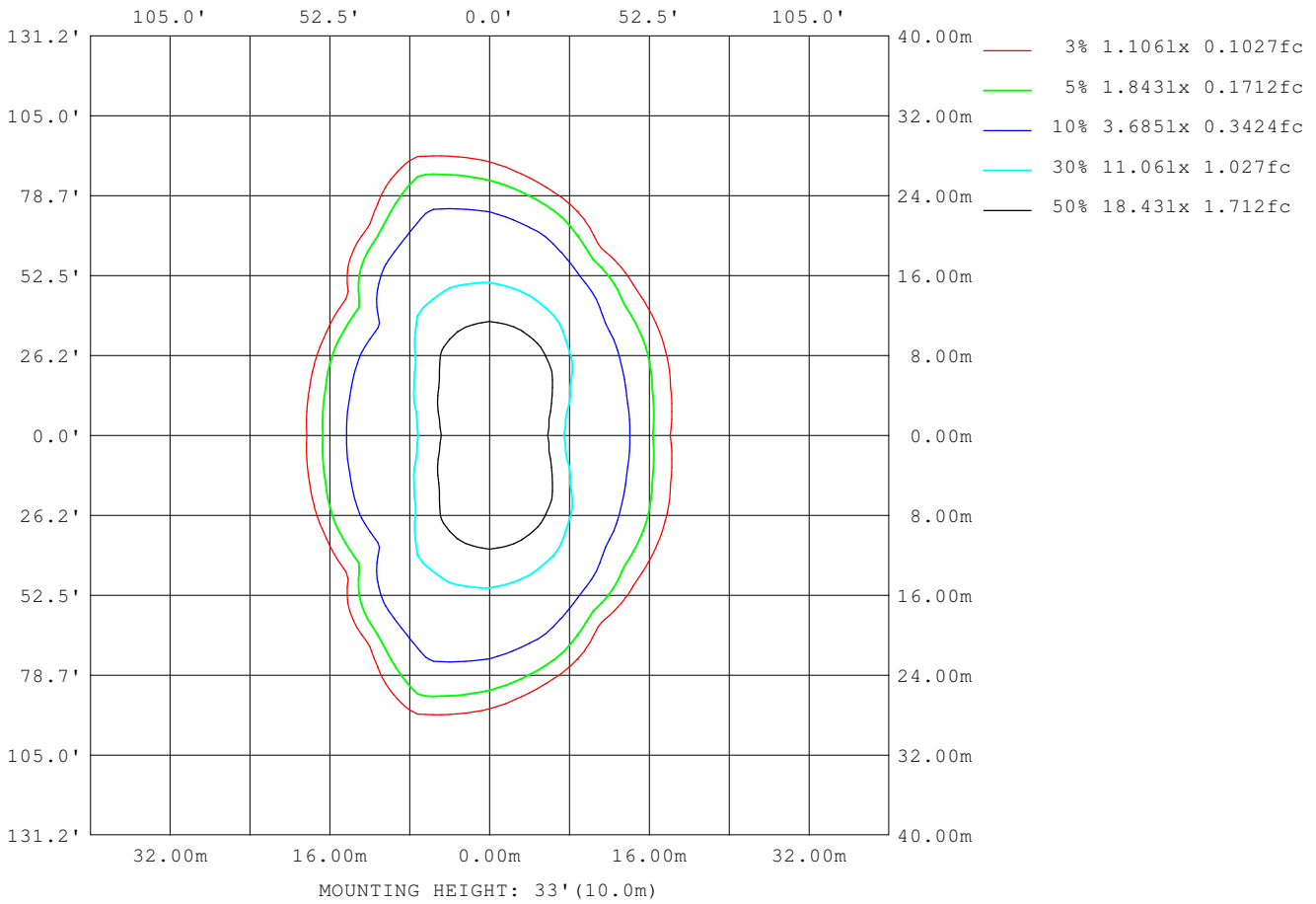
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 20.4DEG  
Operators: JK  
Test Date: 09 November 2016

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 50%  
Test Distance: 8.300m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**LED Avg.L Report**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

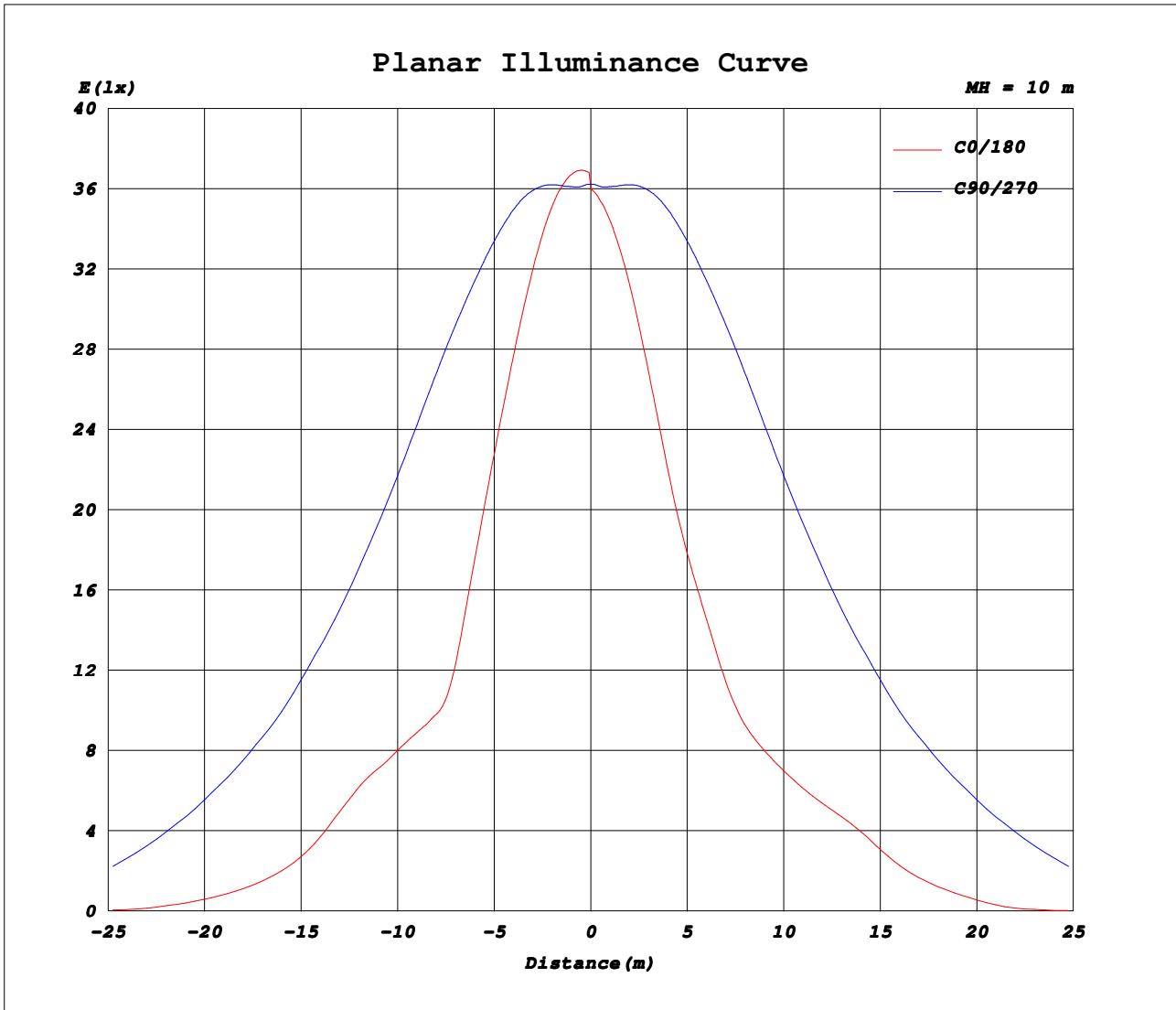
AvgL	cd/m2
L_0~180 (65) av	28262
L_0~180 (75) av	6420
L_0~180 (85) av	5393
L_90~270 (65) av	428678
L_90~270 (75) av	22285
L_90~270 (85) av	40127
L_45 (65) av	75589
L_45 (75) av	7213
L_45 (85) av	22306

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:20.4DEG**  
**Operators:JK**  
**Test Date:09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity:50%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626	3626
5	3675	3676	3674	3674	3674	3670	3655	3633	3603	3575	3552	3541	3535	3541	3552	3575	3603	3633	3655
10	3684	3688	3719	3765	3802	3813	3793	3736	3654	3558	3468	3412	3390	3412	3468	3558	3654	3736	3793
15	3629	3658	3760	3894	3995	4034	4007	3911	3758	3561	3365	3229	3171	3229	3365	3561	3758	3911	4007
20	3489	3570	3786	4041	4227	4299	4269	4129	3890	3567	3232	2985	2881	2985	3232	3567	3890	4129	4269
25	3247	3404	3780	4191	4477	4597	4568	4381	4042	3571	3075	2721	2584	2721	3075	3571	4042	4381	4568
30	2852	3103	3704	4327	4738	4933	4913	4682	4216	3566	2951	2526	2368	2526	2951	3566	4216	4682	4913
35	2214	2560	3485	4415	5001	5302	5320	5047	4437	3418	2818	2277	2096	2277	2818	3418	4437	5047	5320
40	2073	2120	3067	4411	5232	5667	5746	5455	4719	3381	2647	2028	1953	2028	2647	3381	4719	5455	5746
45	2237	2239	2556	4235	5379	5977	6147	5870	5081	3360	2396	2020	1993	2020	2396	3360	5081	5870	6147
50	2334	2189	2356	3703	5395	6206	6512	6295	5516	3290	2256	2041	2063	2041	2256	3290	5516	6295	6512
55	1778	1905	2291	3008	5042	6193	6760	6645	5851	2711	2268	2063	1986	2063	2268	2711	5851	6645	6760
60	1090	1293	1736	2162	3789	5688	6663	6818	5575	1936	1733	1351	1223	1351	1733	1936	5575	6818	6663
65	455	638	906	1172	1710	4201	5797	6548	3600	872	624	426	309	426	624	872	3600	6548	5797
70	79.0	81.6	214	344	318	974	2671	4125	776	80.6	71.1	69.6	54.5	69.6	71.1	80.6	776	4125	2671
75	58.2	47.1	54.1	71.2	58.1	78.0	185	170	60.1	48.3	34.3	38.1	48.1	38.1	34.3	48.3	60.1	170	185
80	39.3	23.4	41.2	73.7	55.6	59.6	91.5	71.6	37.0	45.2	15.2	16.2	35.9	16.2	15.2	45.2	37.0	71.6	91.5
85	11.6	16.9	35.4	67.8	79.8	74.0	112	93.6	45.1	56.6	16.5	9.06	18.5	9.06	16.5	56.6	45.1	93.6	112
90	3.14	19.3	30.3	56.6	94.9	86.6	127	139	43.5	57.4	20.5	6.56	8.42	6.56	20.5	57.4	43.5	139	127
95	8.78	9.92	16.4	23.8	63.4	72.2	45.2	44.5	30.8	40.9	24.4	6.88	7.52	6.88	24.4	40.9	30.8	44.5	45.2
100	4.97	10.4	12.2	17.0	21.7	22.9	19.0	20.0	27.2	25.4	12.6	6.52	4.62	6.52	12.6	25.4	27.2	20.0	19.0
105	6.27	10.6	14.1	17.9	21.4	23.3	21.3	18.6	15.2	14.5	9.44	6.65	6.18	6.65	9.44	14.5	15.2	18.6	21.3
110	7.82	11.3	16.1	19.9	23.1	25.6	25.0	22.4	18.2	13.9	10.8	8.43	7.82	8.43	10.8	13.9	18.2	22.4	25.0
115	9.36	12.3	17.7	21.2	21.3	26.3	26.7	24.6	20.7	16.6	13.2	10.5	9.68	10.5	13.2	16.6	20.7	24.6	26.7
120	11.0	13.7	19.1	20.4	21.9	26.7	27.6	26.2	22.8	18.9	15.6	12.7	11.8	12.7	15.6	18.9	22.8	26.2	27.6
125	12.8	15.2	18.2	19.7	23.2	27.0	28.6	27.7	24.6	21.0	17.8	15.1	14.1	15.1	17.8	21.0	24.6	27.7	28.6
130	14.2	15.2	17.5	20.2	24.8	27.2	29.4	28.9	26.1	22.9	19.9	17.5	16.4	17.5	19.9	22.9	26.1	28.9	29.4
135	15.8	16.5	18.6	22.5	25.8	28.4	30.3	29.8	27.4	24.5	21.9	19.7	18.6	19.7	21.9	24.5	27.4	29.8	30.3
140	17.9	18.4	21.3	25.5	28.3	30.9	31.9	31.1	28.9	26.3	24.0	21.9	21.0	21.9	24.0	26.3	28.9	31.1	31.9
145	20.8	22.1	24.9	27.3	30.3	32.9	33.4	32.6	30.4	28.1	26.1	24.3	23.4	24.3	26.1	28.1	30.4	32.6	33.4
150	23.0	24.5	26.4	28.6	30.9	33.0	33.6	33.3	31.5	29.6	27.9	26.4	25.4	26.4	27.9	29.6	31.5	33.3	33.6
155	24.9	26.1	27.3	29.0	30.8	32.3	33.1	33.3	32.1	30.5	29.1	27.8	26.9	27.8	29.1	30.5	32.1	33.3	33.1
160	26.5	27.3	28.1	29.2	30.5	31.7	32.6	33.0	32.2	30.9	29.7	28.7	28.1	28.7	29.7	30.9	32.2	33.0	32.6
165	27.9	28.3	28.7	29.5	30.3	31.2	32.2	32.6	32.0	30.9	29.9	29.3	29.2	29.3	29.9	30.9	32.0	32.6	32.2
170	29.1	29.4	29.6	30.0	30.3	31.1	32.0	32.4	31.7	30.9	30.2	30.0	30.1	30.0	30.2	30.9	31.7	32.4	32.0
175	30.0	30.4	30.2	30.3	30.5	31.2	31.9	31.9	31.3	30.7	30.3	30.4	30.6	30.4	30.3	30.7	31.3	31.9	31.9
180	30.9	31.1	30.7	30.9	31.0	31.5	31.9	31.6	31.0	30.6	30.3	30.6	30.8	30.6	30.3	30.6	31.0	31.6	31.9

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:239.7V I:0.5299A P:120.2W PF:0.9468 Lamp Flux:14596.9x1 lm		
NAME: Dex 120w Streetlight	TYPE:LED Streetlight	WEIGHT:4.3
SPEC.:	DIM.: 700 x 280 x 112	SERIAL No.:1
MFR.: Decrolux	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	3626	3626	3626	3626	3626															
5	3670	3674	3674	3674	3676															
10	3813	3802	3765	3719	3688															
15	4034	3995	3894	3760	3658															
20	4299	4227	4041	3786	3570															
25	4597	4477	4191	3780	3404															
30	4933	4738	4327	3704	3103															
35	5302	5001	4415	3485	2560															
40	5667	5232	4411	3067	2120															
45	5977	5379	4235	2556	2239															
50	6206	5395	3703	2356	2189															
55	6193	5042	3008	2291	1905															
60	5688	3789	2162	1736	1293															
65	4201	1710	1172	906	638															
70	974	318	344	214	81.6															
75	78.0	58.1	71.2	54.1	47.1															
80	59.6	55.6	73.7	41.2	23.4															
85	74.0	79.8	67.8	35.4	16.9															
90	86.6	94.9	56.6	30.3	19.3															
95	72.2	63.4	23.8	16.4	9.92															
100	22.9	21.7	17.0	12.2	10.4															
105	23.3	21.4	17.9	14.1	10.6															
110	25.6	23.1	19.9	16.1	11.3															
115	26.3	21.3	21.2	17.7	12.3															
120	26.7	21.9	20.4	19.1	13.7															
125	27.0	23.2	19.7	18.2	15.2															
130	27.2	24.8	20.2	17.5	15.2															
135	28.4	25.8	22.5	18.6	16.5															
140	30.9	28.3	25.5	21.3	18.4															
145	32.9	30.3	27.3	24.9	22.1															
150	33.0	30.9	28.6	26.4	24.5															
155	32.3	30.8	29.0	27.3	26.1															
160	31.7	30.5	29.2	28.1	27.3															
165	31.2	30.3	29.5	28.7	28.3															
170	31.1	30.3	30.0	29.6	29.4															
175	31.2	30.5	30.3	30.2	30.4															
180	31.5	31.0	30.9	30.7	31.1															

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20.4DEG**  
**Operators: JK**  
**Test Date: 09 November 2016**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351**  
**Humidity: 50%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**