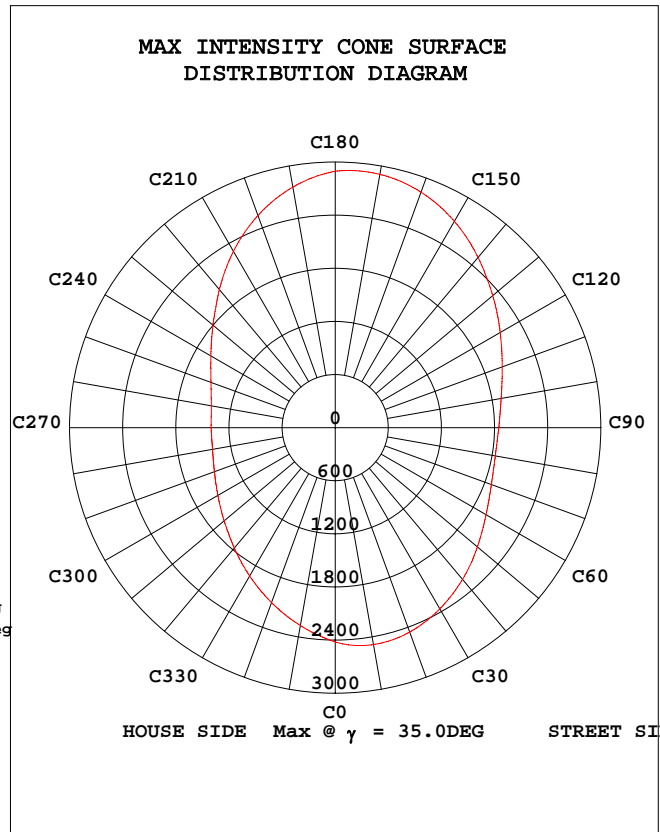
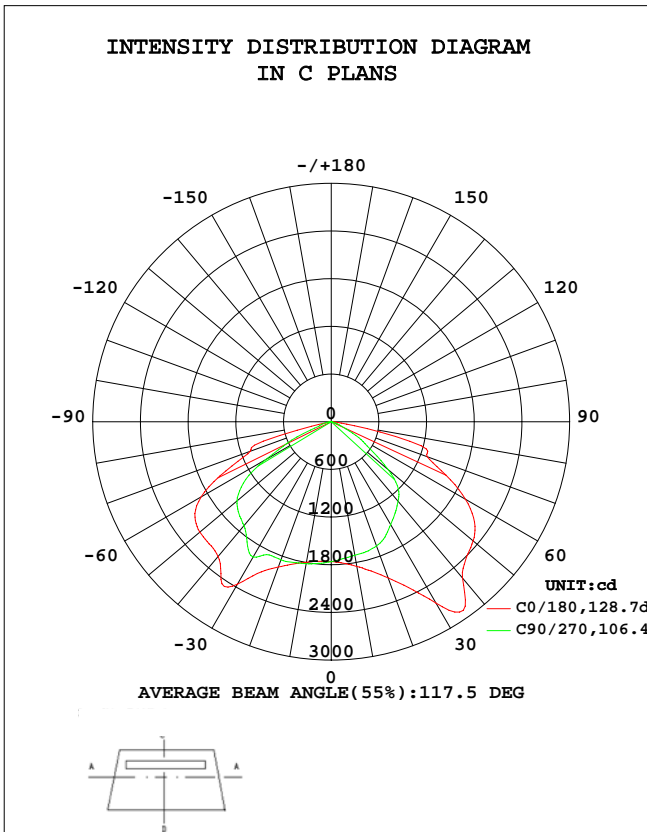


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.8V I:0.2260A P:50.51W PF:0.9688 Lamp Flux:7077.93x1 lm		
NAME: LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.13 lm/W			
MODEL	KLCUBE050	I _{max} (cd)	2897	η street_up(%)	0.1
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	55.5
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	7078	η house_up(%)	0.2
NOMINAL FLUX(lm)	7077.93	MAXIMUM @(C,γ)	180,35.0	η house_down(%)	44.2
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	230.8	η down(%)	99.7	SLI	19.275



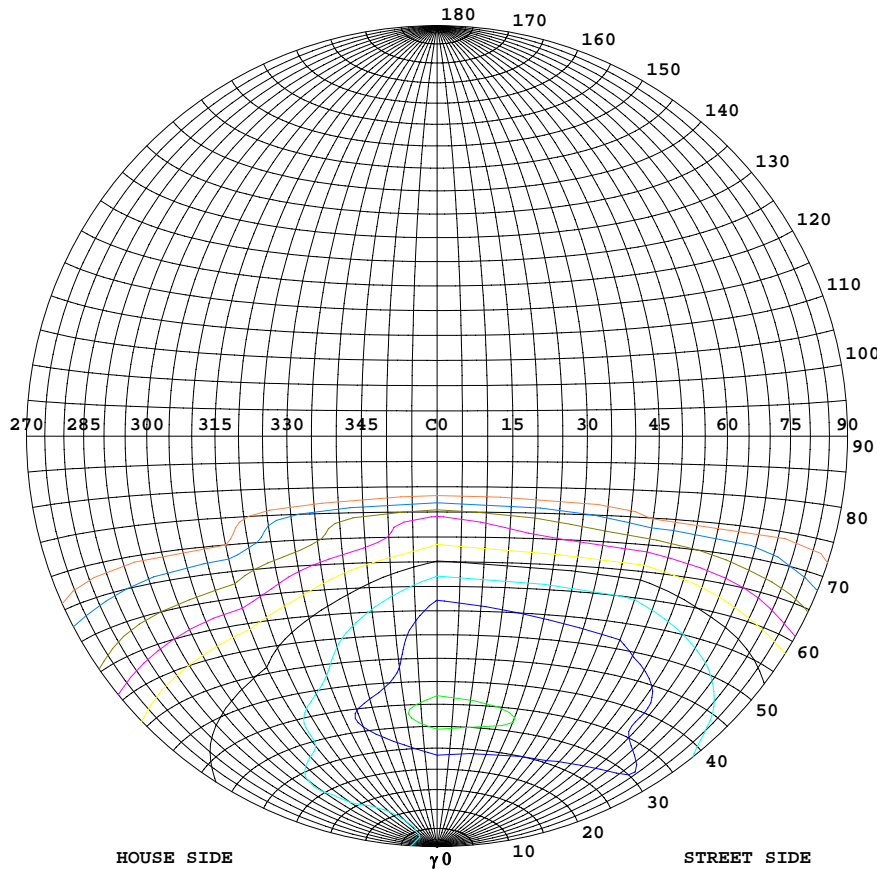
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.8V I:0.2260A P:50.51W PF:0.9688 Lamp Flux:7077.93x1 lm		
NAME: LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



Classification:

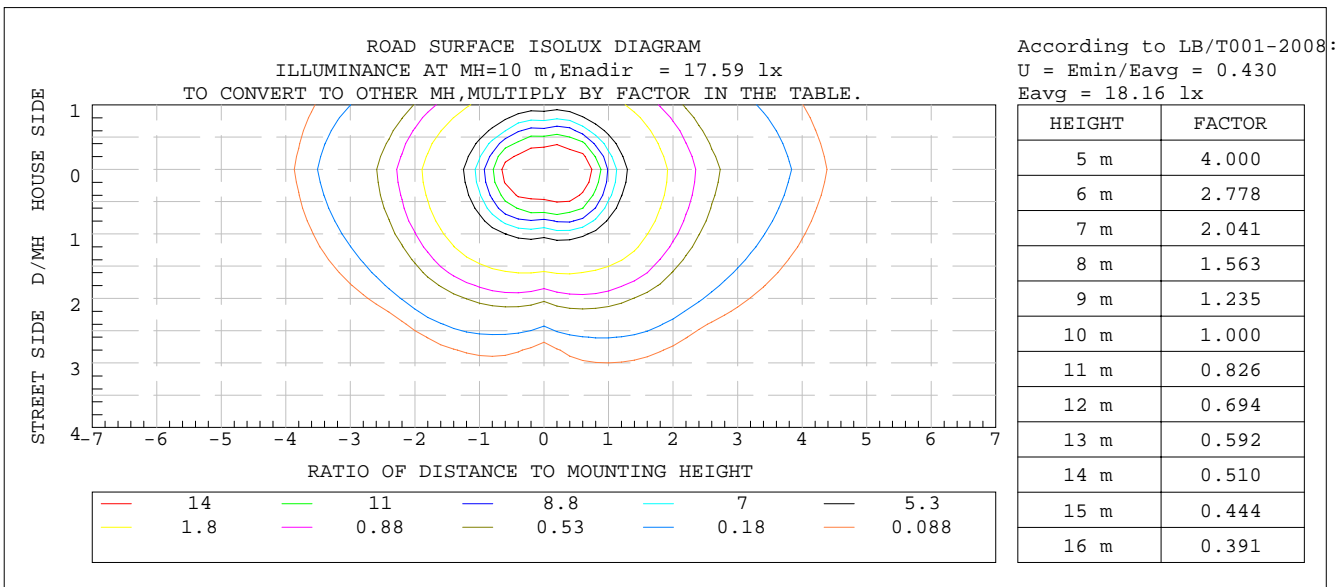
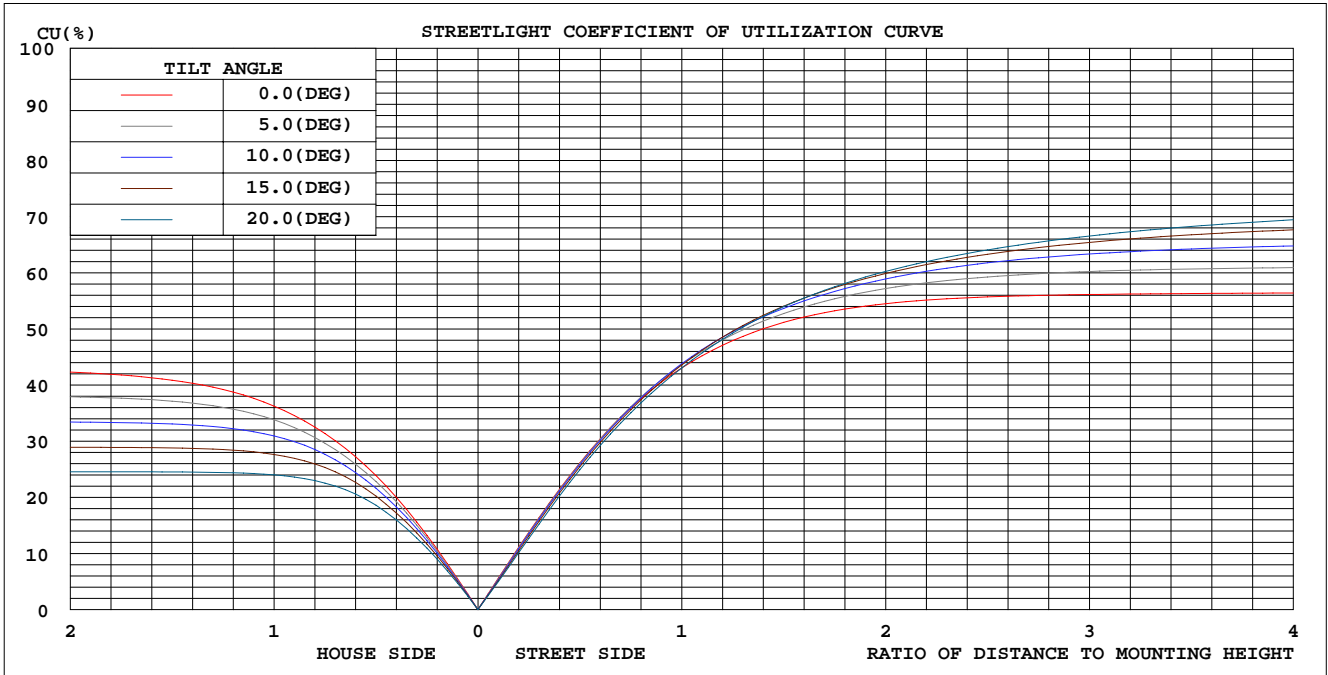
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:42.30cd/klm
 Max.At90:0.5785cd/klm
 Max.80-90:42.30cd/klm
 NRB 5101:Semi limited[14.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2897
90%	2607
80%	2317
70%	2028
60%	1738
50%	1448
40%	1159
30%	869
20%	579
10%	290
5%	145

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:01
 Test Date:2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9684]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 32DEG
Operators: 01
Test Date: 2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: %
Test Distance: 9.190m [K=0.9684]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:230.8V I:0.2260A P:50.51W PF:0.9688 Lamp Flux:7077.93x1 lm		
NAME: LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

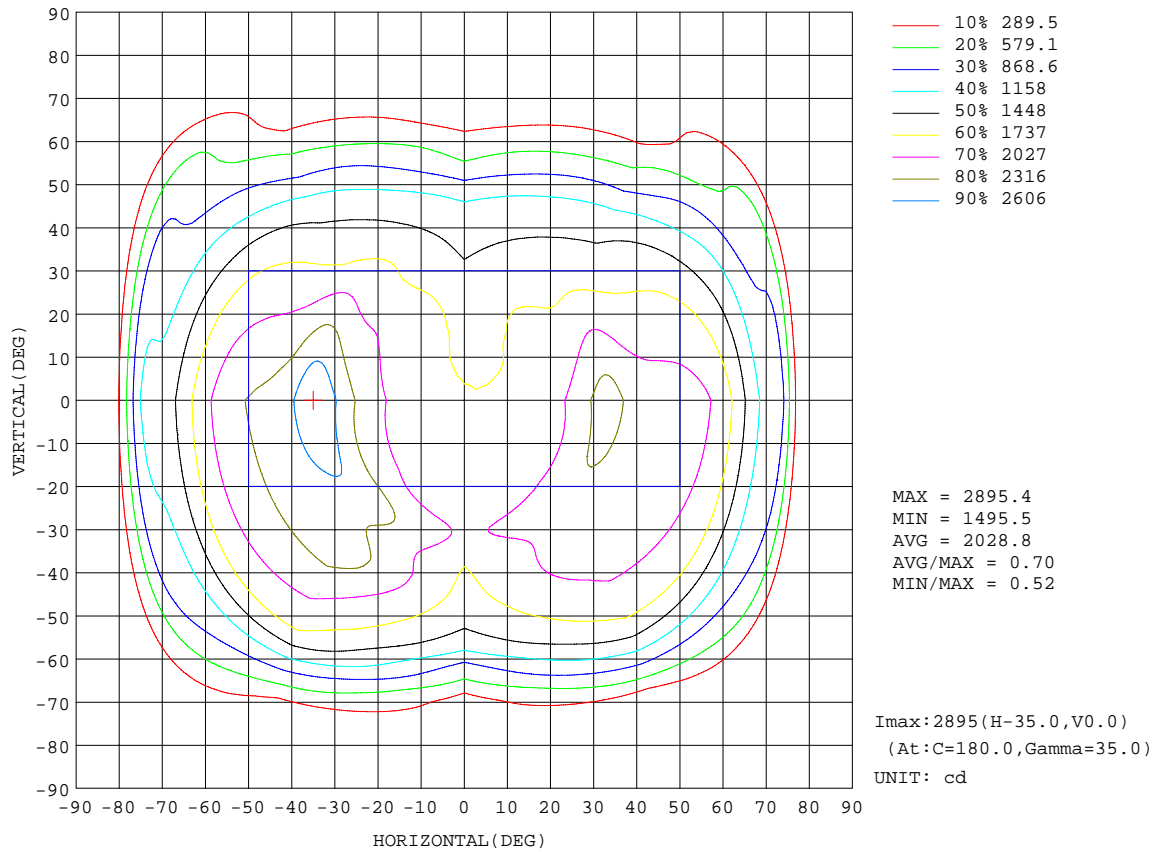
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1796	1810	1813	1848	1849	1777	1706	1730	0- 10	169.4	169.4	2.39,2.39
20	1945	1912	1850	1991	2091	1906	1664	1777	10- 20	522.1	691.5	9.77,9.77
30	2358	2196	1966	2428	2633	1894	1495	1730	20- 30	916.5	1608	22.7,22.7
40	2215	2239	1709	2484	2569	1774	1309	1581	30- 40	1301	2909	41.1,41.1
50	2159	2066	1547	2239	2331	1479	933.0	1345	40- 50	1461	4370	61.7,61.7
60	1888	1719	951.2	1861	1951	931.3	400.3	725.0	50- 60	1396	5765	81.5,81.5
70	1085	717.7	170.8	862.9	1286	272.1	80.25	144.0	60- 70	931.2	6696	94.6,94.6
80	49.96	64.41	60.87	97.06	299.4	39.39	0.4853	18.50	70- 80	334.5	7031	99.3,99.3
90	1.568	0.8021	2.247	4.095	2.674	0.6365	0.3786	0.6379	80- 90	24.55	7055	99.7,99.7
100	2.899	0.9861	0.4060	0.7342	2.446	1.413	0.7096	1.811	90-100	1.237	7057	99.7,99.7
110	4.485	2.037	0.8595	1.438	3.985	2.829	1.809	3.405	100-110	2.090	7059	99.7,99.7
120	5.727	3.386	1.887	2.595	5.299	4.235	3.202	5.065	110-120	3.246	7062	99.8,99.8
130	6.501	4.578	3.016	3.576	5.880	5.046	4.412	6.056	120-130	3.984	7066	99.8,99.8
140	6.541	5.277	3.908	4.166	5.864	5.237	5.024	6.272	130-140	3.965	7070	99.9,99.9
150	6.111	5.658	4.537	4.477	5.545	5.213	5.262	6.232	140-150	3.355	7073	99.9,99.9
160	5.927	5.706	4.951	4.748	5.537	5.221	5.390	5.897	150-160	2.498	7076	100,100
170	5.649	5.642	5.294	5.108	5.545	5.340	5.445	5.554	160-170	1.541	7077	100,100
180	5.696	5.587	5.517	5.458	5.728	5.579	5.541	5.450	170-180	0.5240	7078	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:01
 Test Date:2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9684]
 Remarks:

ISOCANDELA DIAGRAM

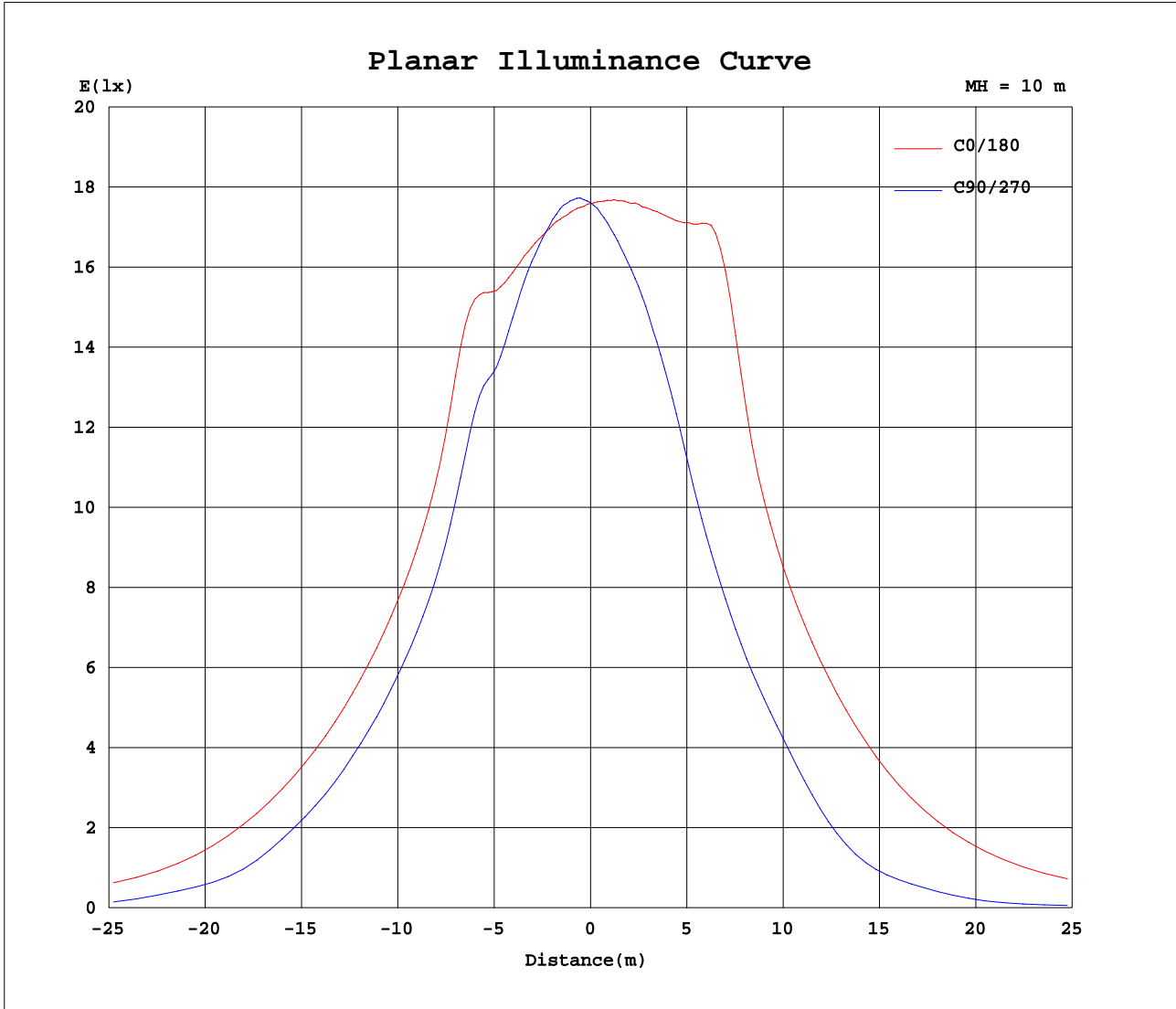
Test:U:230.8V I:0.2260A P:50.51W PF:0.9688 Lamp Flux:7077.93x1 lm		
NAME: LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.8V I:0.2260A P:50.51W PF:0.9688 Lamp Flux:7077.93x1 lm		
NAME: LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	1760	1760	1760	1760	1760	1760	1760	1760											
5	1763	1779	1788	1798	1788	1758	1730	1736											
10	1796	1810	1813	1848	1849	1777	1706	1730											
15	1855	1855	1834	1909	1944	1830	1694	1750											
20	1945	1912	1850	1991	2091	1906	1664	1777											
25	2085	2006	1849	2125	2303	1946	1601	1795											
30	2358	2196	1966	2428	2633	1894	1495	1730											
35	2420	2169	1847	2412	2897	1910	1403	1701											
40	2215	2239	1709	2484	2569	1774	1309	1581											
45	2173	2205	1643	2486	2408	1609	1196	1475											
50	2159	2066	1547	2239	2331	1479	933	1345											
55	2093	1933	1351	2055	2202	1268	599	1090											
60	1888	1719	951	1861	1951	931	400	725											
65	1463	1278	553	1475	1594	602	170	460											
70	1085	718	171	863	1286	272	80.2	144											
75	671	135	113	275	1173	101	16.4	63.3											
80	50.0	64.4	60.9	97.1	299	39.4	0.49	18.5											
85	5.52	15.2	17.0	34.1	32.0	7.98	0.40	2.80											
90	1.57	0.80	2.25	4.09	2.67	0.64	0.38	0.64											
95	2.16	0.78	0.41	0.80	1.71	0.86	0.45	1.08											
100	2.90	0.99	0.41	0.73	2.45	1.41	0.71	1.81											
105	3.64	1.43	0.53	0.98	3.23	2.13	1.18	2.61											
110	4.49	2.04	0.86	1.44	3.98	2.83	1.81	3.41											
115	5.23	2.68	1.33	2.01	4.76	3.54	2.50	4.24											
120	5.73	3.39	1.89	2.59	5.30	4.23	3.20	5.06											
125	6.17	4.04	2.48	3.14	5.68	4.75	3.88	5.68											
130	6.50	4.58	3.02	3.58	5.88	5.05	4.41	6.06											
135	6.62	4.98	3.51	3.90	5.92	5.20	4.79	6.22											
140	6.54	5.28	3.91	4.17	5.86	5.24	5.02	6.27											
145	6.31	5.50	4.24	4.35	5.70	5.23	5.17	6.26											
150	6.11	5.66	4.54	4.48	5.54	5.21	5.26	6.23											
155	5.98	5.74	4.75	4.59	5.51	5.19	5.31	6.06											
160	5.93	5.71	4.95	4.75	5.54	5.22	5.39	5.90											
165	5.78	5.67	5.13	4.91	5.54	5.29	5.44	5.74											
170	5.65	5.64	5.29	5.11	5.55	5.34	5.45	5.55											
175	5.71	5.61	5.41	5.28	5.64	5.47	5.49	5.51											
180	5.70	5.59	5.52	5.46	5.73	5.58	5.54	5.45											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks: