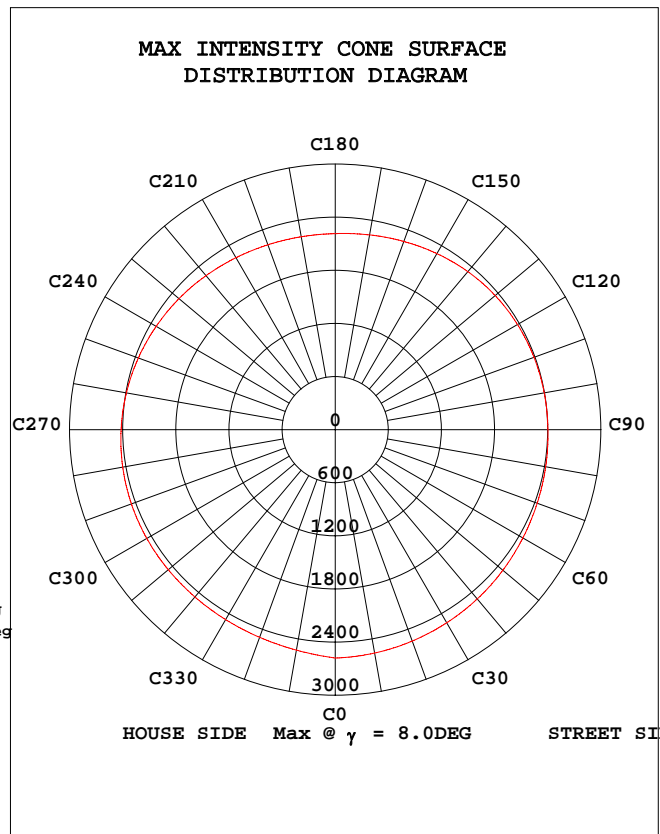
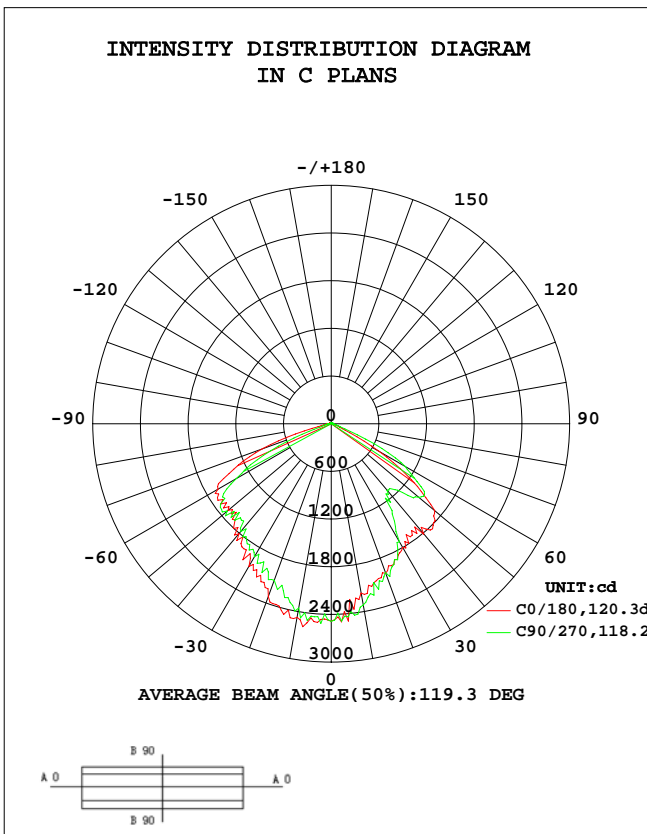


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.4191A P:49.06W PF:0.9718 Lamp Flux:6574.42x1 lm		
NAME: LED BARN LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.02 lm/W			
MODEL	KLWPGD050	I _{max} (cd)	2579	η street_up(%)	0.9
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	52.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6574	η house_up(%)	0.8
NOMINAL FLUX(lm)	6574.42	MAXIMUM @(C,γ)	0,8.0	η house_down(%)	45.5
LAMPS INSIDE	1	η up(%)	1.7	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120.4	η down(%)	98.3	SLI	17.312



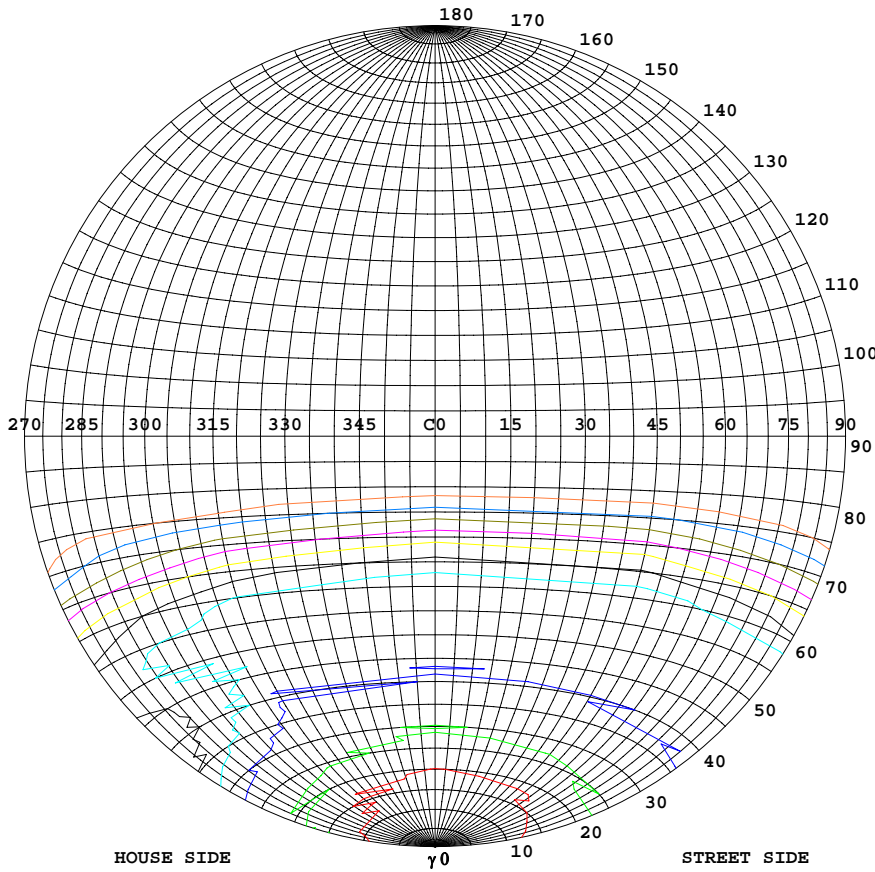
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 1
 Test Date: 2018-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9793]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.4V I:0.4191A P:49.06W PF:0.9718 Lamp Flux:6574.42x1 lm		
NAME: LED BARN LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



Classification:

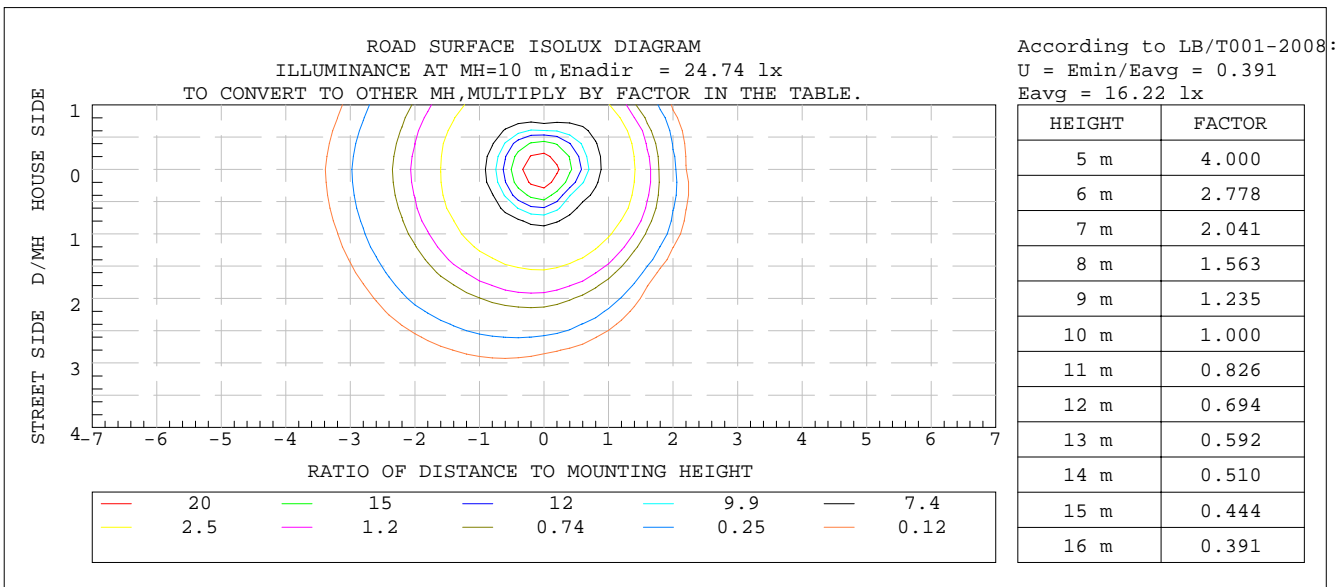
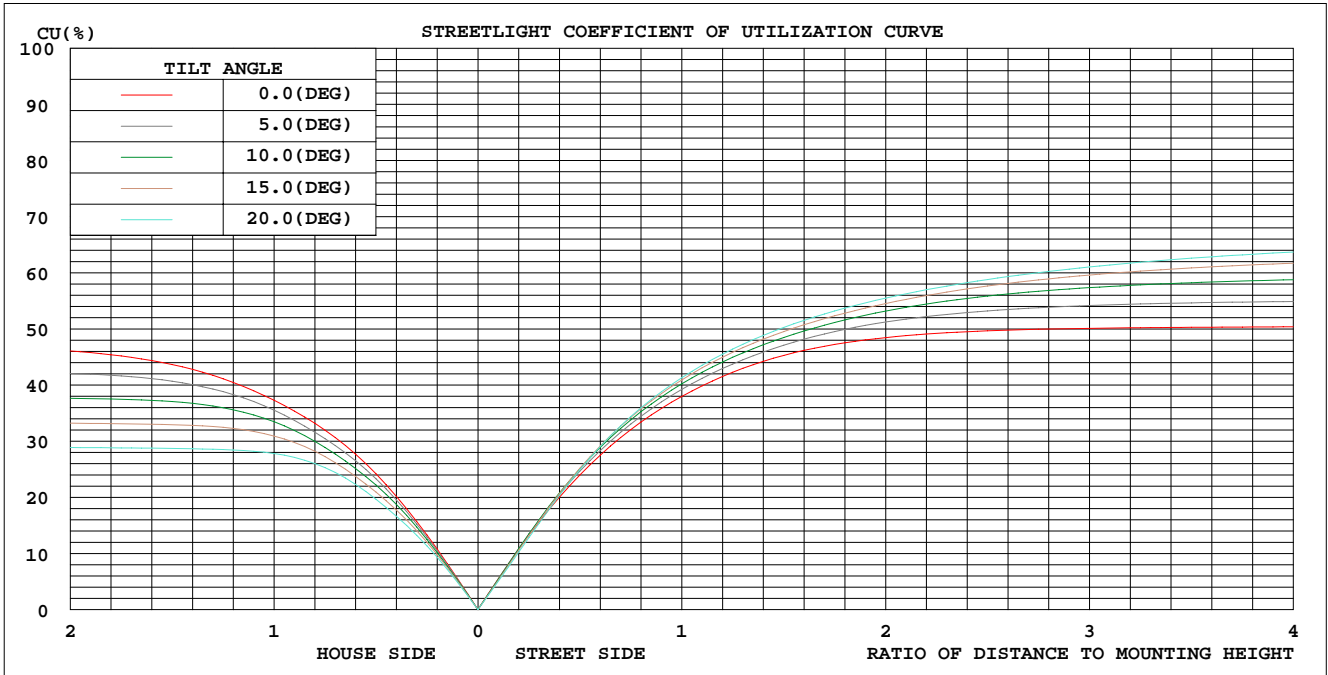
IES:Type III - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:15.01cd/klm
 Max.At90:5.423cd/klm
 Max.80-90:15.01cd/klm
 NRB 5101:Limited[3.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2579
90%	2321
80%	2063
70%	1805
60%	1548
50%	1290
40%	1032
30%	774
20%	516
10%	258
5%	129

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:1
 Test Date:2018-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9793]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 32DEG
Operators: 1
Test Date: 2018-09-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: %
Test Distance: 9.190m [K=0.9793]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.4V I:0.4191A P:49.06W PF:0.9718 Lamp Flux:6574.42x1 lm		
NAME: LED BARN LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

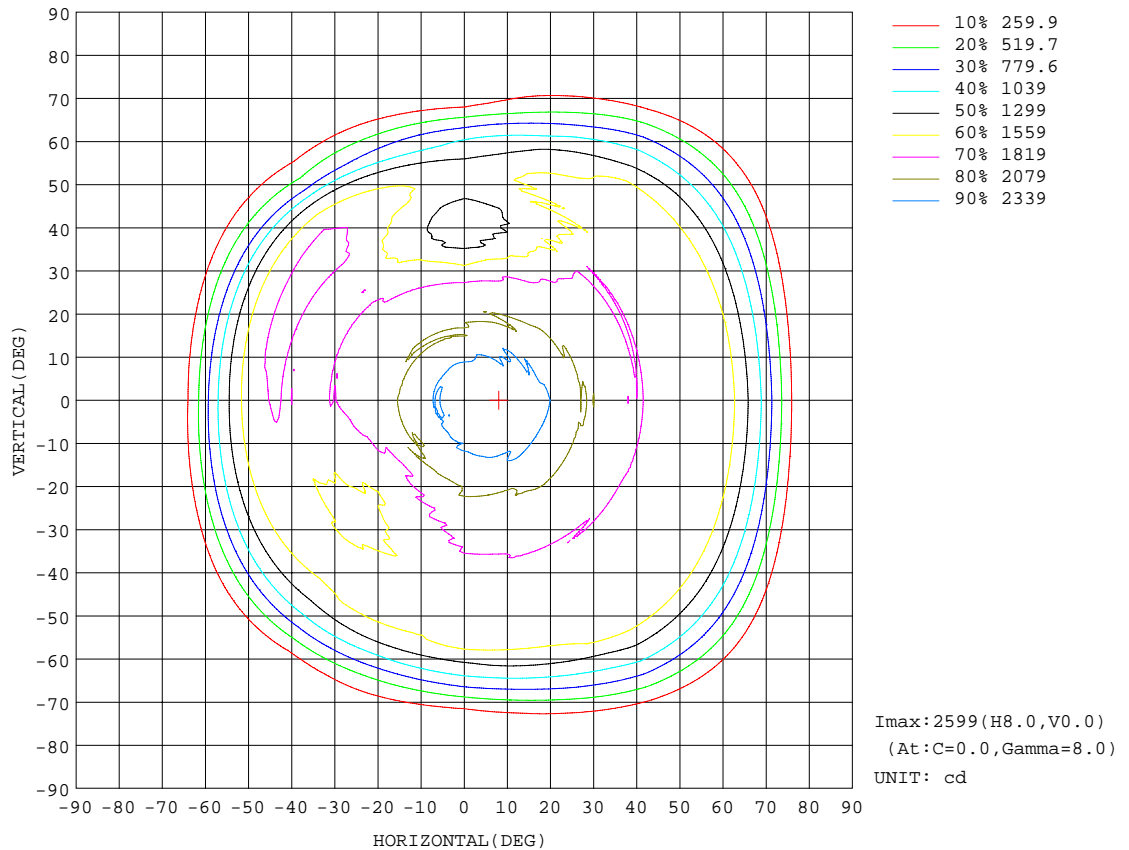
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2475	2516	2355	2224	2165	2186	2317	2416	0- 10	229.8	229.8	3.49,3.49
20	2316	2216	2097	1889	2003	1965	1992	2097	10- 20	625.6	855.4	13.13
30	2072	1984	1934	1502	1799	1831	1717	2003	20- 30	903.3	1759	26.7,26.7
40	1807	1827	1767	1533	1814	1796	1091	1692	30- 40	1087	2846	43.3,43.3
50	1697	1716	1710	1580	1698	1804	1443	1798	40- 50	1288	4134	62.9,62.9
60	1644	1657	1379	955.9	699.7	573.1	1072	1568	50- 60	1331	5465	83.1,83.1
70	921.7	841.0	394.2	106.5	94.34	84.89	141.0	637.8	60- 70	770.2	6235	94.8,94.8
80	98.66	94.76	65.96	38.85	28.72	27.47	48.98	81.75	70- 80	185.8	6421	97.7,97.7
90	35.66	34.93	20.76	17.20	17.89	17.25	16.50	27.81	80- 90	42.18	6463	98.3,98.3
100	13.05	13.14	13.28	24.41	24.15	33.65	17.72	16.51	90-100	21.09	6484	98.6,98.6
110	21.32	21.56	19.53	28.20	20.46	30.72	23.50	21.20	100-110	22.93	6507	99,99
120	26.08	25.99	18.23	21.47	15.22	21.64	16.21	22.20	110-120	21.79	6529	99.3,99.3
130	18.82	19.23	13.87	19.36	13.79	17.23	15.82	16.67	120-130	16.65	6546	99.6,99.6
140	16.41	17.09	12.08	20.20	13.21	20.65	13.36	15.06	130-140	12.58	6558	99.8,99.8
150	19.21	19.25	11.40	10.84	6.717	7.433	8.910	17.59	140-150	8.962	6567	99.9,99.9
160	7.855	7.508	6.254	7.645	6.984	6.707	7.891	7.705	150-160	4.493	6572	100,100
170	7.258	7.171	7.512	7.466	7.550	7.324	8.718	7.849	160-170	2.073	6574	100,100
180	7.776	7.625	9.020	7.915	7.824	7.617	9.110	7.834	170-180	0.7465	6574	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:1
 Test Date:2018-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9793]
 Remarks:

ISOCANDELA DIAGRAM

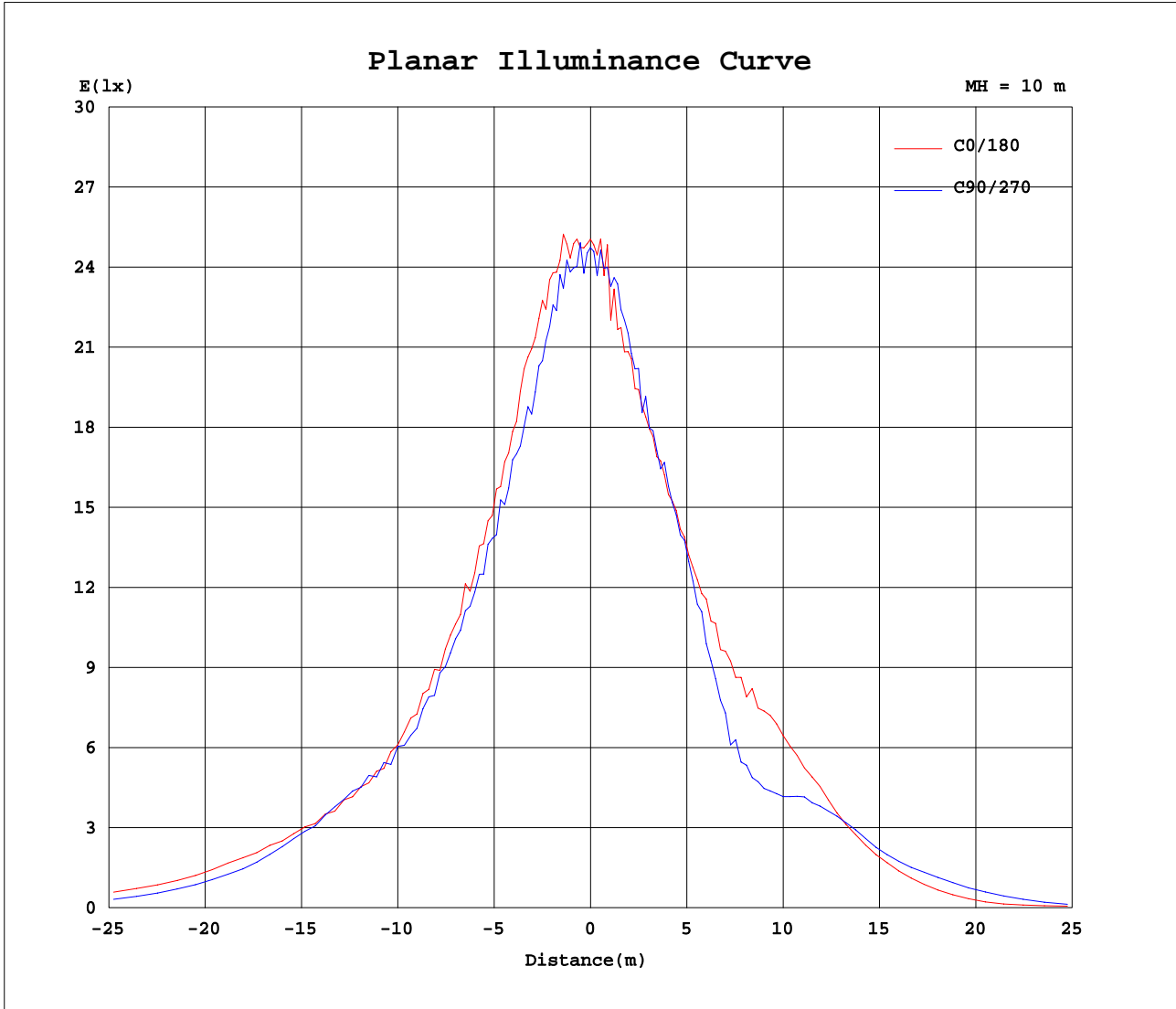
Test:U:120.4V I:0.4191A P:49.06W PF:0.9718 Lamp Flux:6574.42x1 lm		
NAME: LED BARN LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 1
 Test Date: 2018-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9793]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 1
 Test Date: 2018-09-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9793]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.4191A P:49.06W PF:0.9718 Lamp Flux:6574.42x1 lm		
NAME: LED BARN 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	2486	2486	2486	2486	2486	2486	2486	2486										
5	2498	2467	2438	2342	2494	2369	2439	2478										
10	2475	2516	2355	2224	2165	2186	2317	2416										
15	2432	2374	2265	2094	2071	2029	2068	2414										
20	2316	2216	2097	1889	2003	1965	1992	2097										
25	2105	2091	2064	1688	1890	1825	1885	2032										
30	2072	1984	1934	1502	1799	1831	1717	2003										
35	1920	1917	1844	1472	1736	1696	1335	1889										
40	1807	1827	1767	1533	1814	1796	1091	1692										
45	1714	1751	1720	1592	1812	1885	1184	1640										
50	1697	1716	1710	1580	1698	1804	1443	1798										
55	1663	1775	1636	1380	1235	1309	1381	1751										
60	1644	1657	1379	956	700	573	1072	1568										
65	1354	1311	942	405	194	191	594	1163										
70	922	841	394	107	94.3	84.9	141	638										
75	353	281	108	64.5	52.4	48.7	79.6	153										
80	98.7	94.8	66.0	38.8	28.7	27.5	49.0	81.8										
85	61.4	61.9	42.1	21.9	16.7	16.1	26.6	48.9										
90	35.7	34.9	20.8	17.2	17.9	17.2	16.5	27.8										
95	16.8	15.9	12.0	20.9	21.5	24.5	15.8	16.7										
100	13.1	13.1	13.3	24.4	24.2	33.7	17.7	16.5										
105	16.9	16.8	14.7	27.4	23.4	35.2	20.3	19.2										
110	21.3	21.6	19.5	28.2	20.5	30.7	23.5	21.2										
115	23.8	24.2	21.1	23.4	15.9	23.3	21.6	21.3										
120	26.1	26.0	18.2	21.5	15.2	21.6	16.2	22.2										
125	21.3	20.8	15.6	19.8	14.0	18.7	16.0	19.5										
130	18.8	19.2	13.9	19.4	13.8	17.2	15.8	16.7										
135	17.4	17.6	13.3	18.3	13.6	19.6	13.9	15.7										
140	16.4	17.1	12.1	20.2	13.2	20.7	13.4	15.1										
145	15.2	15.4	13.7	18.0	8.91	12.3	12.3	14.8										
150	19.2	19.2	11.4	10.8	6.72	7.43	8.91	17.6										
155	13.7	13.1	7.11	8.26	6.63	6.48	7.78	11.3										
160	7.85	7.51	6.25	7.65	6.98	6.71	7.89	7.71										
165	6.89	6.79	6.85	7.42	7.30	7.06	8.33	7.46										
170	7.26	7.17	7.51	7.47	7.55	7.32	8.72	7.85										
175	7.61	7.46	8.60	7.67	7.75	7.54	8.97	7.83										
180	7.78	7.63	9.02	7.92	7.82	7.62	9.11	7.83										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9793]
 Remarks: