

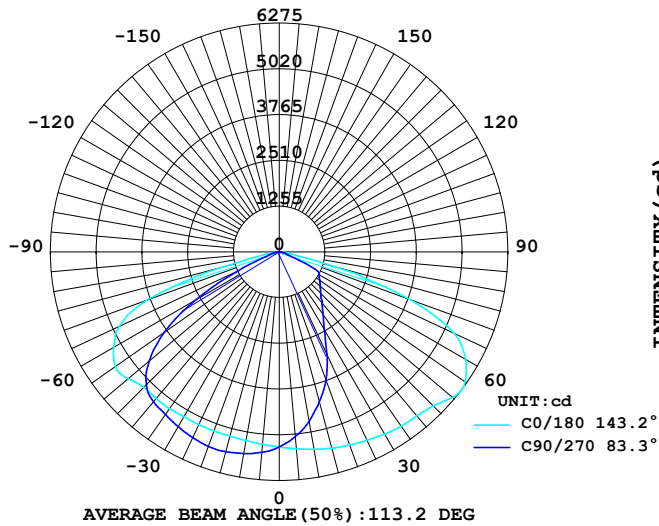
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

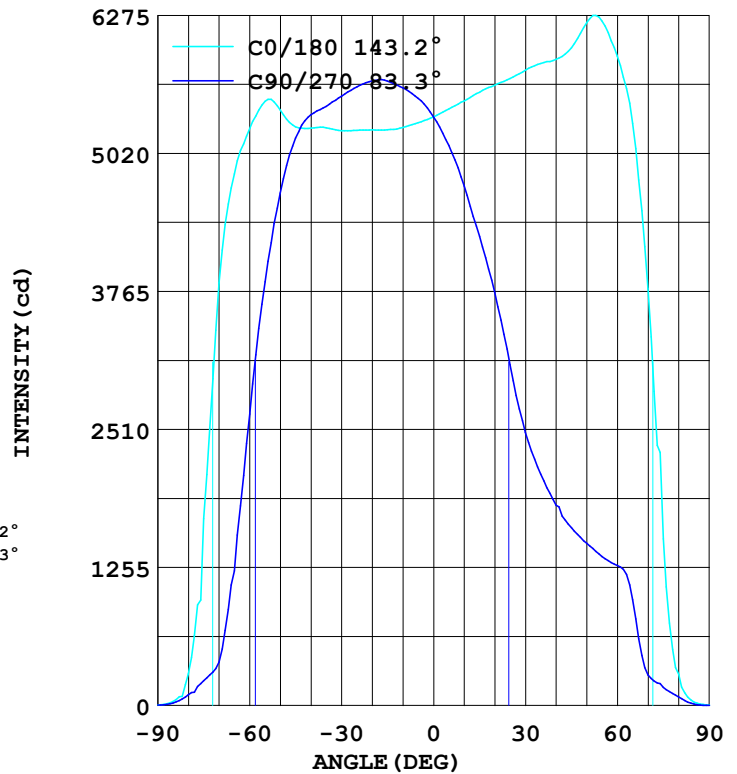
MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

DATA OF LAMP		Imax (cd)	6581	S/MH (C0/180)	1.51
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.55
NOMINAL POWER (W)	150	TOTAL FLUX (lm)	17439	Voltage (V)	230.8
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	115.8	Current (A)	0.617
NOMINAL FLUX (lm)	17439.5	$\eta$ up (%)	0.0	Power (W)	150.6
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.972
TEST VOLTAGE (V)	230.8	Effective Flux (lm)	17439.4	EEL	0.129

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



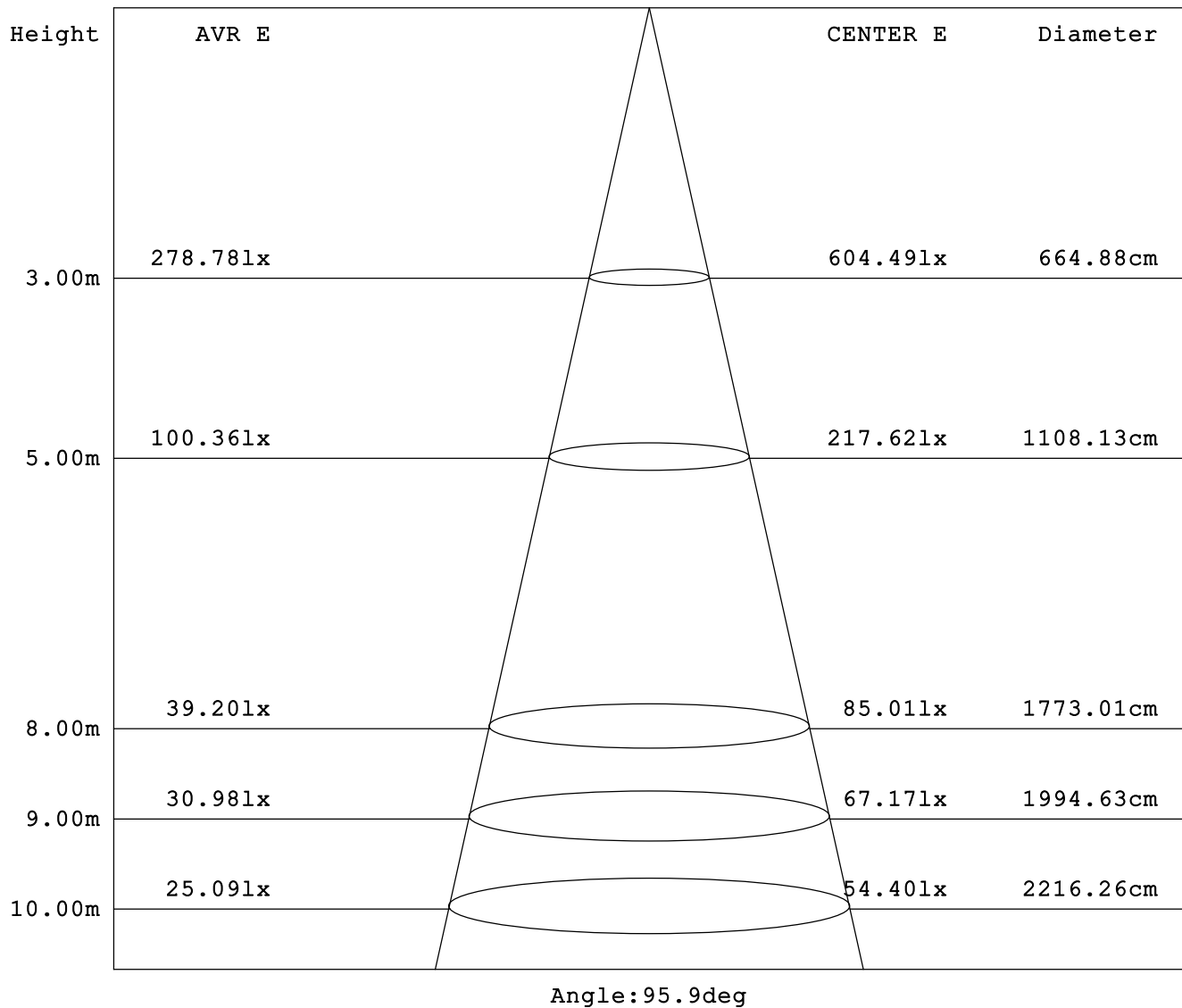
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:



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 Test Date: 2020.12.14

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 Test Distance: 10.000 m  
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	5298	5440	5521	5534	5423	5226	5091	5134	0- 5	127.7	127.7
10.0	5254	5488	5615	5668	5498	5068	4723	4890	5- 10	379.5	507.3
15.0	5235	5519	5676	5771	5576	4854	4266	4584	10- 15	620.3	1128
20.0	5234	5531	5678	5856	5639	4602	3757	4285	15- 20	845.7	1973
25.0	5228	5538	5624	5905	5700	4287	3098	3936	20- 25	1048	3021
30.0	5227	5511	5541	5914	5777	3934	2480	3543	25- 30	1221	4242
35.0	5251	5464	5446	5897	5838	3510	2102	3064	30- 35	1366	5609
40.0	5250	5414	5371	5871	5875	2933	1819	2474	35- 40	1492	7101
45.0	5260	5356	5158	5830	5980	2312	1615	1947	40- 45	1598	8699
50.0	5414	5274	4658	5749	6210	1820	1474	1607	45- 50	1682	10381
55.0	5493	5144	3853	5565	6225	1456	1356	1362	50- 55	1732	12112
60.0	5245	4742	2650	5135	5902	1262	1272	1156	55- 60	1681	13793
65.0	4833	3862	1223	4237	5293	1048	960.8	984.2	60- 65	1503	15296
70.0	3843	2324	393.7	2595	3788	725.1	277.6	709.8	65- 70	1169	16465
75.0	1699	571.6	225.9	642.5	1516	262.1	165.7	243.8	70- 75	686.7	17152
80.0	287.4	130.4	97.99	138.8	282.4	85.56	77.40	80.13	75- 80	236.4	17388
85.0	36.08	33.16	22.82	34.86	31.05	24.23	12.56	21.38	80- 85	44.39	17433
90.0	4.946	2.046	3.555	1.747	4.702	4.748	1.571	4.743	85- 90	6.738	17439
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020.12.14

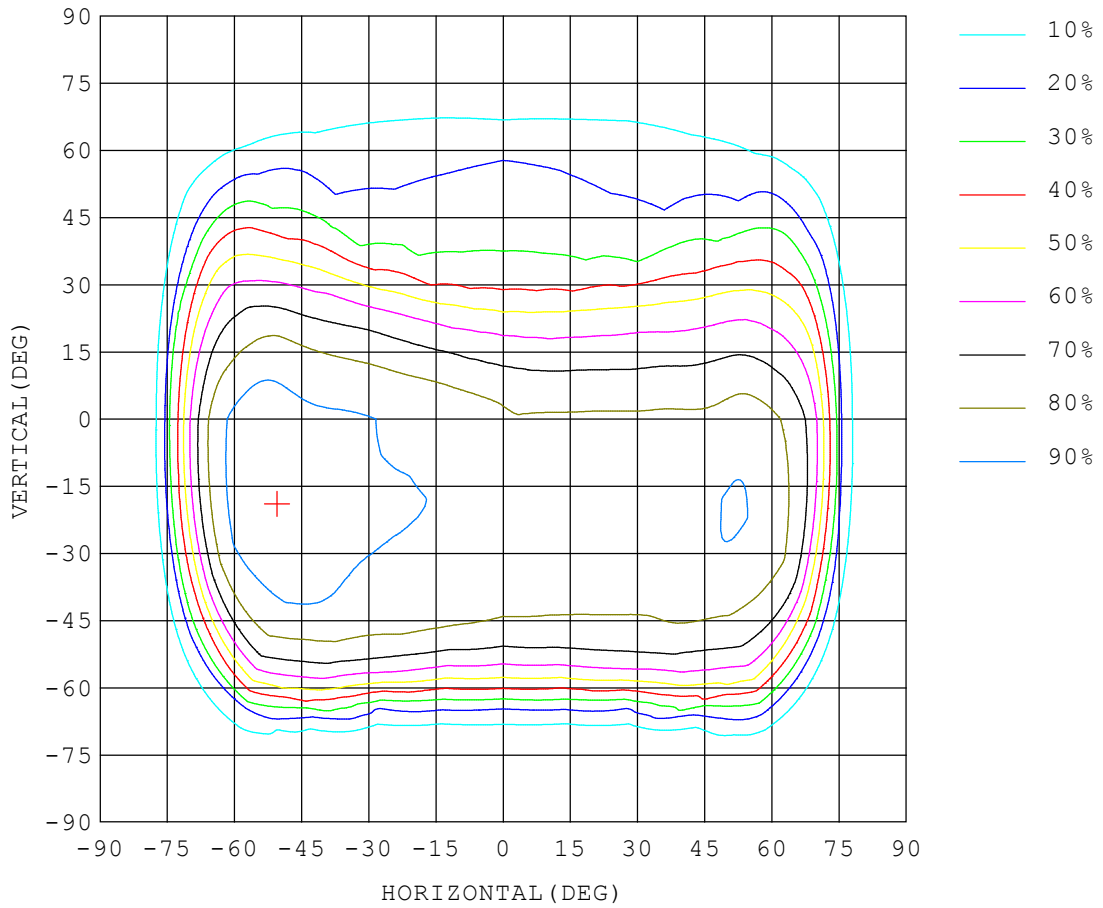
Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: cd



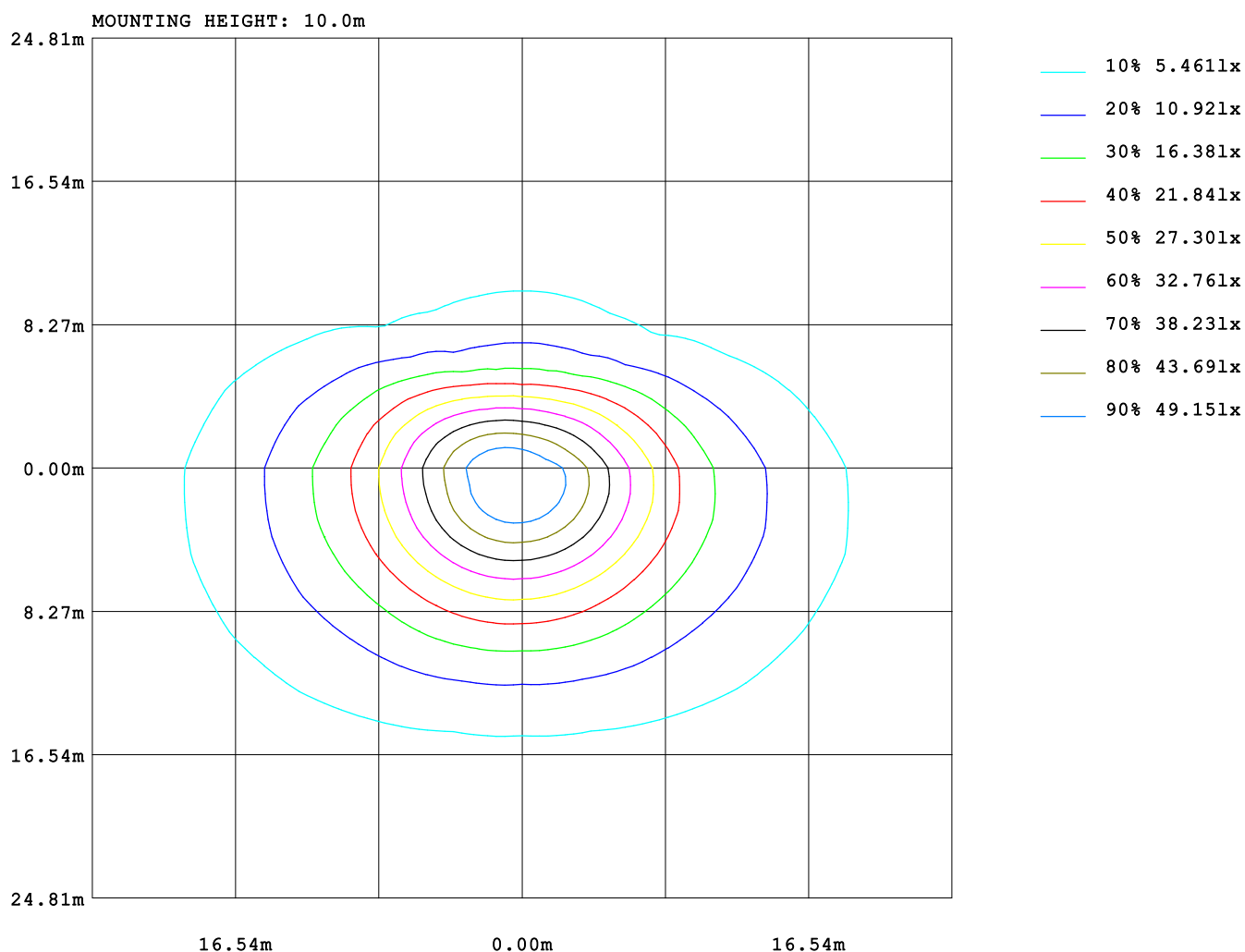
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020.12.14

Test Set: 6.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351	5351
5.0	5298	5354	5401	5440	5472	5496	5521	5534	5543	5534	5517	5472	5423	5359	5294
10.0	5254	5356	5433	5488	5533	5571	5615	5648	5670	5668	5654	5594	5498	5373	5229
15.0	5235	5365	5449	5519	5566	5616	5676	5724	5763	5771	5756	5697	5576	5396	5151
20.0	5234	5389	5476	5531	5584	5619	5678	5752	5819	5856	5857	5783	5639	5405	5042
25.0	5228	5407	5493	5538	5548	5565	5624	5720	5830	5905	5932	5863	5700	5399	4898
30.0	5227	5426	5494	5511	5493	5484	5541	5653	5800	5914	5987	5951	5777	5396	4749
35.0	5251	5462	5498	5464	5415	5392	5446	5571	5735	5897	6029	6029	5838	5359	4556
40.0	5250	5499	5502	5414	5332	5319	5371	5510	5670	5871	6048	6087	5875	5293	4300
45.0	5260	5546	5491	5356	5257	5180	5158	5346	5610	5830	6076	6206	5980	5229	3989
50.0	5414	5706	5524	5274	5087	4783	4658	4916	5419	5749	6184	6470	6210	5172	3572
55.0	5493	5887	5637	5144	4619	4044	3853	4127	4874	5565	6234	6545	6225	5008	3088
60.0	5245	5652	5348	4742	3762	2869	2650	2913	3978	5135	5926	6241	5902	4575	2506
65.0	4833	5373	4916	3862	2200	1446	1223	1477	2298	4237	5424	5787	5293	3912	1928
70.0	3843	4596	4050	2324	820	462	394	462	837	2595	4409	4472	3788	2790	1354
75.0	1699	2441	2311	572	241	208	226	207	245	643	2316	2377	1516	1152	591
80.0	287	379	445	130	114	91.7	97.9	91.7	115	139	422	368	282	336	101
85.0	36.0	36.5	57.8	33.1	31.4	18.3	22.8	17.7	29.9	34.8	62.4	38.4	31.0	36.2	22.5
90.0	4.94	3.09	5.30	2.04	3.61	1.64	3.55	1.65	3.74	1.74	5.34	3.00	4.70	7.16	4.00

Test System: HOPOO HPG1800  
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 Test Date: 2020.12.14

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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL150-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	5351	5351	5351	5351	5351	5351	5351	5351	5351
5.0	5226	5166	5120	5091	5087	5100	5134	5185	5237
10.0	5068	4911	4790	4723	4722	4781	4890	5019	5142
15.0	4854	4568	4367	4266	4281	4391	4584	4830	5056
20.0	4602	4180	3893	3757	3791	3977	4285	4650	4992
25.0	4287	3702	3285	3098	3194	3497	3936	4440	4901
30.0	3934	3118	2585	2480	2547	2922	3543	4191	4798
35.0	3510	2407	2150	2102	2138	2304	3064	3945	4708
40.0	2933	1974	1845	1819	1842	1928	2474	3617	4574
45.0	2312	1687	1623	1615	1629	1651	1947	3238	4440
50.0	1820	1472	1455	1474	1469	1448	1607	2800	4319
55.0	1456	1302	1318	1356	1341	1290	1362	2355	4121
60.0	1262	1137	1204	1272	1243	1143	1156	1891	3728
65.0	1048	983	1051	961	1062	1017	984	1415	3117
70.0	725	568	372	278	336	592	710	1015	2281
75.0	262	232	166	166	167	238	244	472	1142
80.0	85.5	75.0	80.7	77.4	80.6	71.7	80.1	78.5	297
85.0	24.2	16.7	19.2	12.5	18.5	15.8	21.3	18.0	27.8
90.0	4.74	1.97	3.78	1.57	3.81	1.99	4.74	4.00	7.09

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