

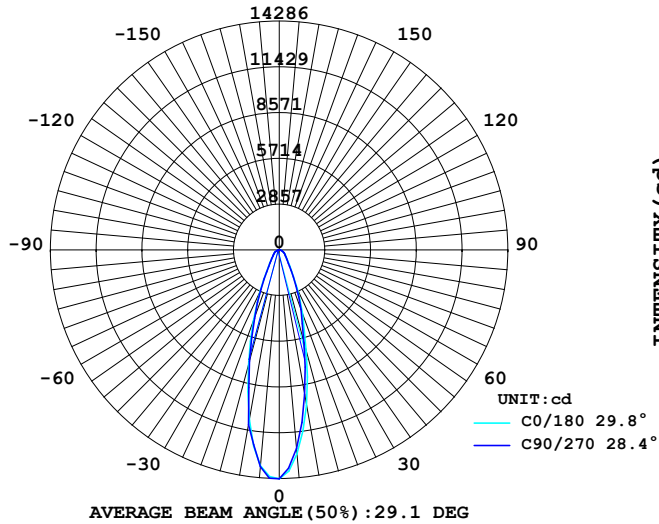
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

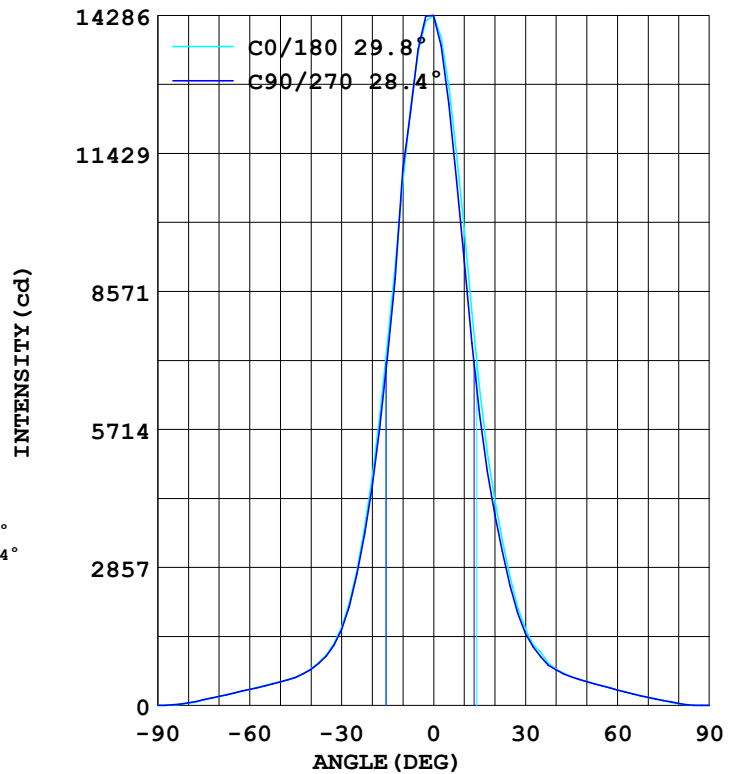
MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S47N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 30deg	SERIAL No.:

DATA OF LAMP		Imax(cd)	14323	S/MH (C0/180)	0.51
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	50	TOTAL FLUX(lm)	6315.1	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	125.8	Current(A)	0.225
NOMINAL FLUX(lm)	6315.2	$\eta$ up (%)	0.0	Power(W)	50.20
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.970
TEST VOLTAGE (V)	230.1	Effective Flux(lm)	6315.2	EEI	0.119

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



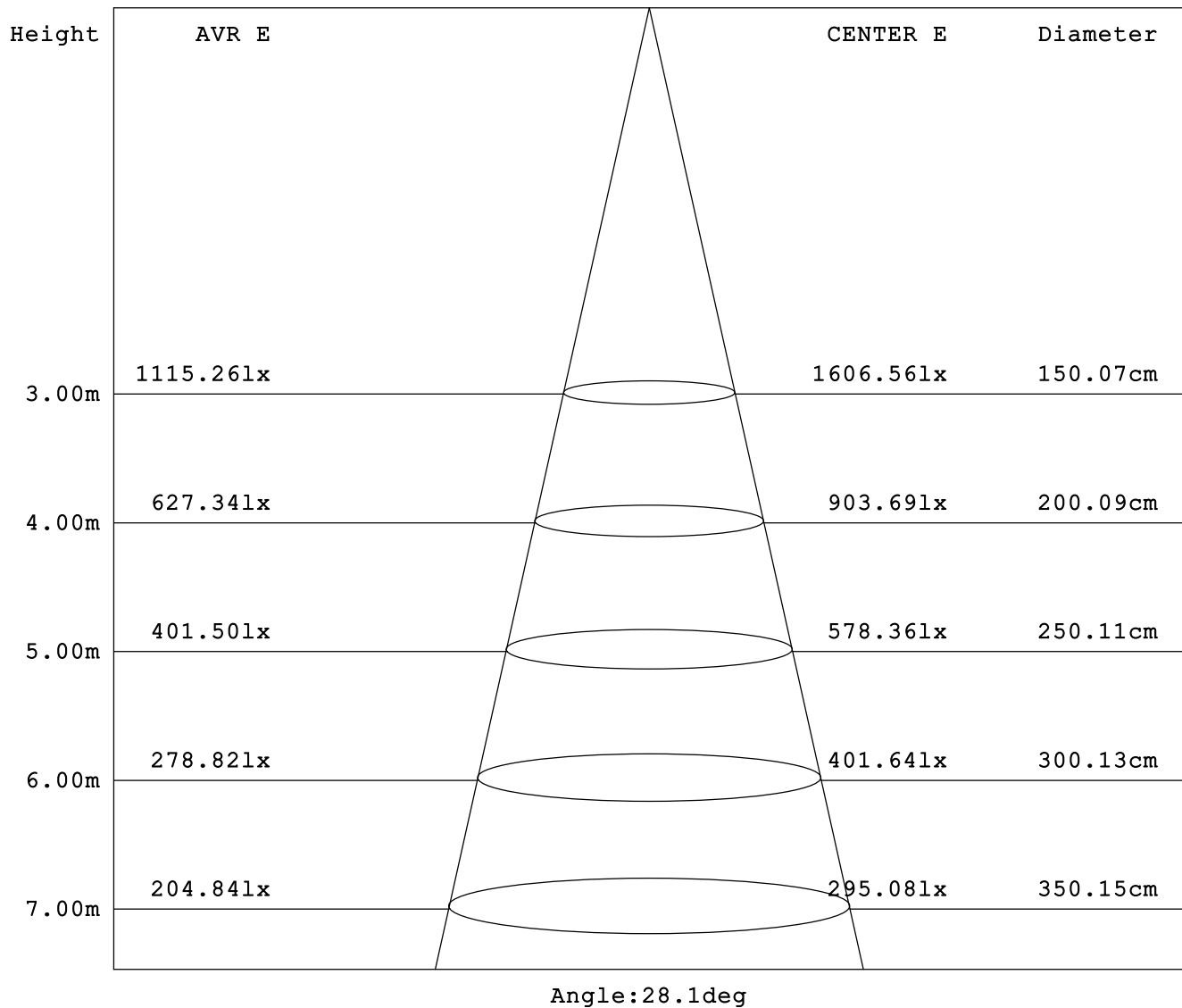
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

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

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S47N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 30deg	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1353	1372	1359	1325	1281	1251	1245	1289	0- 5	327.2	327.2
10.0	1081	1093	1108	1021	987.2	940.6	920.4	996.0	5- 10	827.3	1155
15.0	748.7	756.4	721.2	690.3	655.2	618.3	601.7	667.4	10- 15	988.4	2143
20.0	474.8	480.3	455.3	441.0	427.7	408.3	397.3	438.6	15- 20	906.5	3050
25.0	279.4	304.6	272.9	288.7	266.5	273.0	248.1	283.0	20- 25	744.7	3794
30.0	162.2	181.8	157.0	179.5	158.8	174.1	149.4	170.5	25- 30	558.9	4353
35.0	104.6	113.2	102.0	113.9	110.5	113.5	100.7	112.0	30- 35	402.8	4756
40.0	75.70	80.40	74.84	81.35	75.21	81.02	73.77	78.71	35- 40	309.3	5066
45.0	58.66	62.99	58.29	63.74	59.54	64.02	59.08	62.60	40- 45	257.7	5323
50.0	49.29	52.49	48.50	52.78	49.60	51.91	49.13	51.54	45- 50	227.3	5551
55.0	41.33	43.84	40.72	43.59	41.18	42.07	40.76	42.44	50- 55	202.9	5754
60.0	33.38	35.72	33.61	35.11	32.36	32.74	32.43	33.52	55- 60	175.6	5929
65.0	25.68	27.57	26.17	26.49	24.30	24.04	24.29	25.19	60- 65	144.2	6074
70.0	18.40	19.65	18.84	18.39	16.73	16.03	16.87	17.24	65- 70	109.3	6183
75.0	11.50	12.37	11.94	11.61	9.982	9.263	10.42	10.51	70- 75	74.65	6258
80.0	4.967	6.177	5.570	4.949	3.613	3.513	4.418	4.516	75- 80	40.94	6299
85.0	0.973	1.746	1.398	1.122	0.386	0.476	0.469	0.823	80- 85	14.34	6313
90.0	0.157	0.166	0.097	0.117	0.110	0.115	0.155	0.117	85- 90	2.324	6315
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: ×10cd									UNIT: lm	

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
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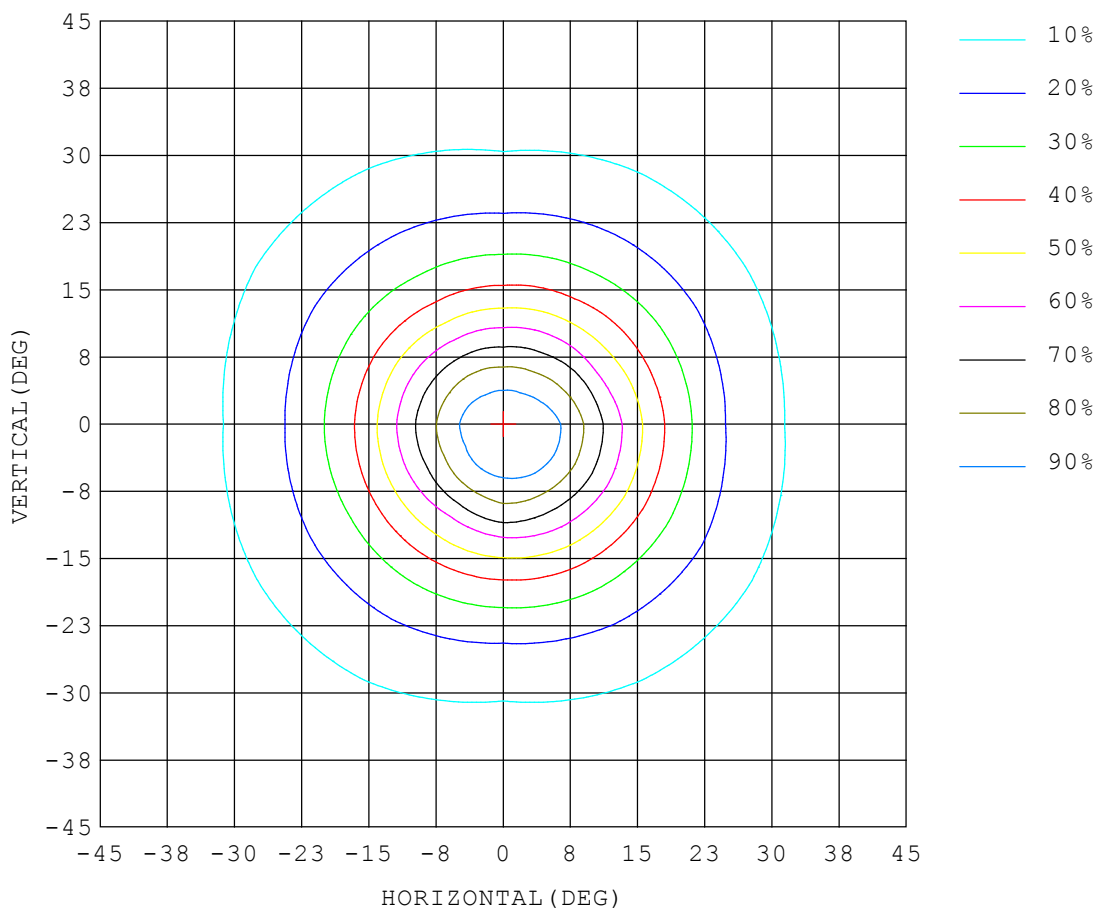
Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S47N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 30deg	SERIAL No.:

UNIT: cd



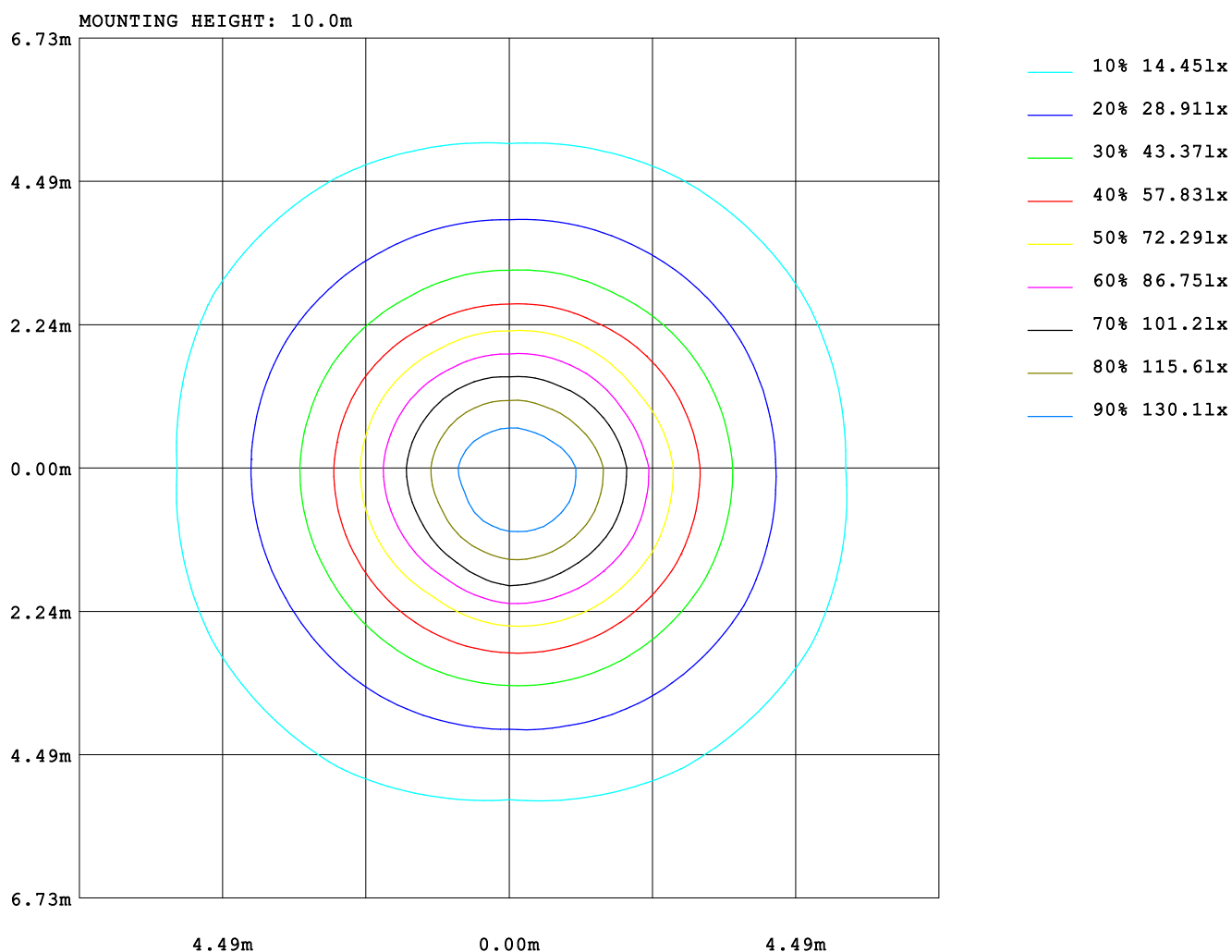
Test System: HOPOO HPG1800  
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 Operators:  
 Test Date: 2020.12.14

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 Test Distance: 10.000 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
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SPECIFICATION: 2835 LED	DIMENSION: 30deg	SERIAL No.:



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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S47N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 30deg	SERIAL No.:

UNIT: ×10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1429	1429	1429	1429	1429	1429	1429	1429	1429	1429	1429	1429
5.0	1353	1370	1374	1359	1340	1310	1281	1261	1240	1245	1266	1312
10.0	1081	1098	1088	1108	1035	1008	987	957	924	920	961	1031
15.0	749	763	750	721	701	680	655	634	603	602	635	700
20.0	475	484	477	455	448	434	428	417	400	397	420	458
25.0	279	310	299	273	290	288	267	278	268	248	274	292
30.0	162	184	180	157	180	179	159	176	172	149	168	173
35.0	105	114	113	102	114	114	111	115	113	101	113	111
40.0	75.7	80.5	80.2	74.8	81.3	81.3	75.2	81.7	80.2	73.7	78.1	79.2
45.0	58.6	63.1	62.8	58.2	63.6	63.8	59.5	64.5	63.5	59.0	62.4	62.7
50.0	49.2	52.5	52.4	48.5	52.7	52.7	49.6	52.3	51.4	49.1	51.3	51.7
55.0	41.3	43.9	43.7	40.7	43.6	43.5	41.1	42.4	41.7	40.7	42.0	42.8
60.0	33.3	35.7	35.7	33.6	35.3	34.9	32.3	32.9	32.5	32.4	33.2	33.8
65.0	25.6	27.3	27.7	26.1	26.8	26.1	24.3	24.1	23.9	24.2	24.9	25.4
70.0	18.4	19.5	19.7	18.8	18.7	18.0	16.7	16.2	15.8	16.8	16.8	17.6
75.0	11.5	12.3	12.3	11.9	11.3	11.8	9.98	9.35	9.16	10.4	10.1	10.9
80.0	4.96	6.13	6.22	5.57	4.96	4.92	3.61	3.66	3.36	4.41	4.06	4.96
85.0	0.97	1.62	1.86	1.39	1.29	0.95	0.39	0.61	0.34	0.47	0.54	1.10
90.0	0.16	0.11	0.23	0.10	0.18	0.06	0.11	0.16	0.07	0.15	0.07	0.17

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