

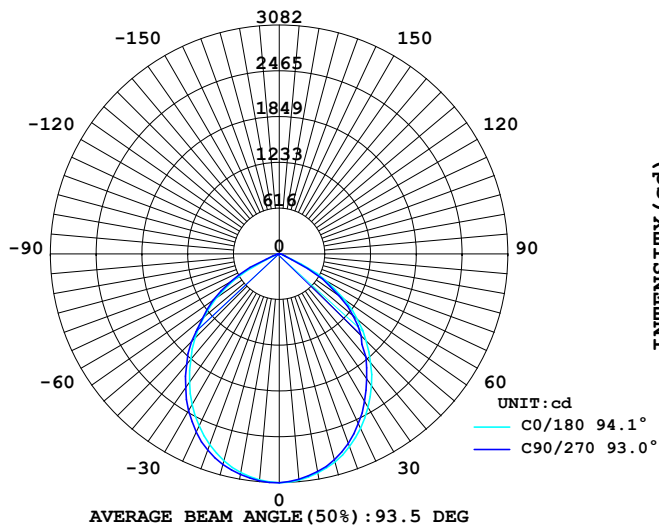
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

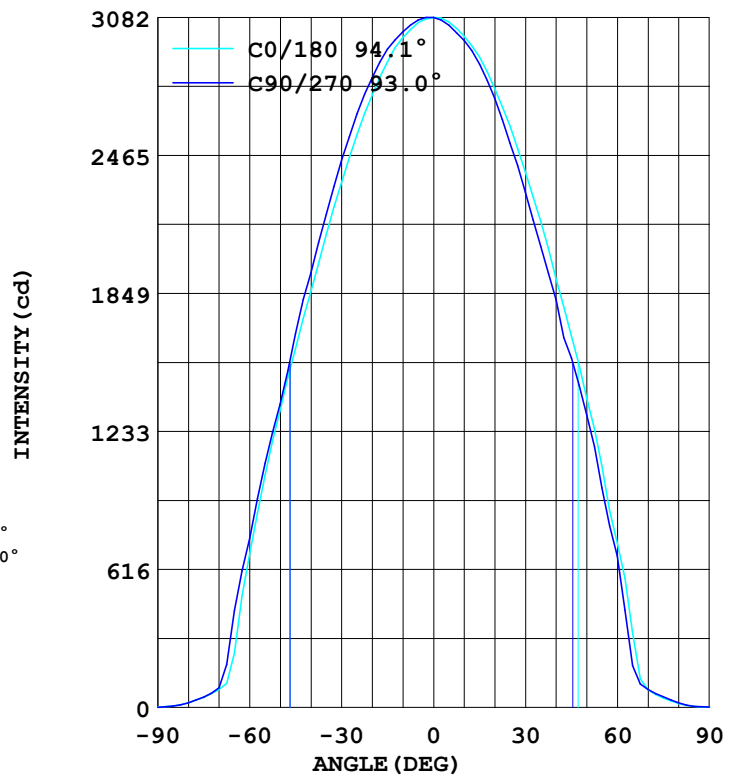
MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S49N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 90deg	SERIAL No.:

DATA OF LAMP		Imax(cd)	3082	S/MH (C0/180)	1.15
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.19
NOMINAL POWER(W)	50	TOTAL FLUX(lm)	6340.2	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	125.3	Current(A)	0.226
NOMINAL FLUX(lm)	6340.2	$\eta$ up (%)	0.0	Power(W)	50.59
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.972
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	6340.2	EEL	0.120

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



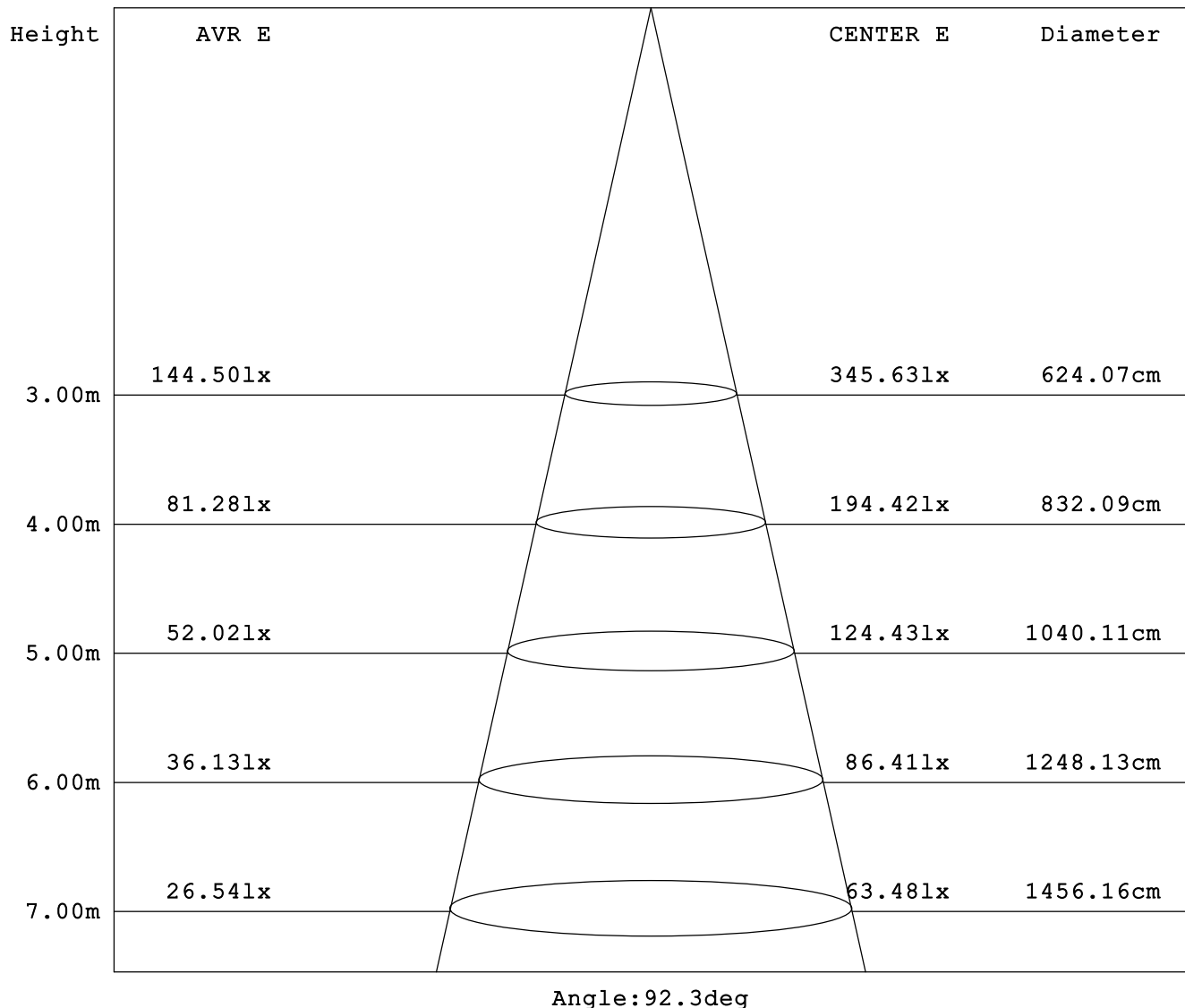
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

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-FL50-S49N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 90deg	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
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 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S49N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 90deg	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3058	3063	3069	3065	3061	3054	3047	3051	0- 5	73.39	73.39
10.0	2991	3005	3017	3012	2997	2981	2978	2979	5- 10	216.4	289.8
15.0	2883	2916	2939	2925	2903	2881	2872	2876	10- 15	349.6	639.5
20.0	2735	2783	2814	2798	2764	2730	2721	2725	15- 20	466.2	1106
25.0	2558	2612	2650	2635	2596	2552	2520	2542	20- 25	560.2	1666
30.0	2345	2408	2445	2439	2391	2339	2300	2319	25- 30	627.3	2293
35.0	2111	2177	2201	2211	2170	2102	2059	2075	30- 35	664.4	2958
40.0	1857	1910	1941	1950	1913	1853	1821	1818	35- 40	671.6	3630
45.0	1604	1638	1670	1669	1657	1596	1561	1559	40- 45	647.8	4277
50.0	1327	1387	1356	1429	1378	1339	1304	1305	45- 50	602.4	4880
55.0	1039	1102	1091	1141	1078	1050	980.6	1019	50- 55	527.8	5408
60.0	688.0	813.2	756.4	836.1	736.0	724.9	676.5	708.4	55- 60	420.8	5829
65.0	241.7	521.1	433.0	540.8	332.0	453.3	185.8	422.9	60- 65	285.4	6114
70.0	80.20	263.1	88.12	273.2	78.83	176.4	80.94	134.1	65- 70	144.0	6258
75.0	45.64	72.08	47.00	75.62	42.28	48.69	47.46	47.85	70- 75	52.18	6310
80.0	21.18	28.69	21.34	29.65	18.18	18.71	20.23	18.15	75- 80	20.13	6330
85.0	6.729	10.06	6.070	10.39	4.728	5.583	5.335	5.358	80- 85	7.600	6338
90.0	2.455	2.105	1.379	2.309	2.000	2.105	2.483	2.124	85- 90	2.299	6340
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

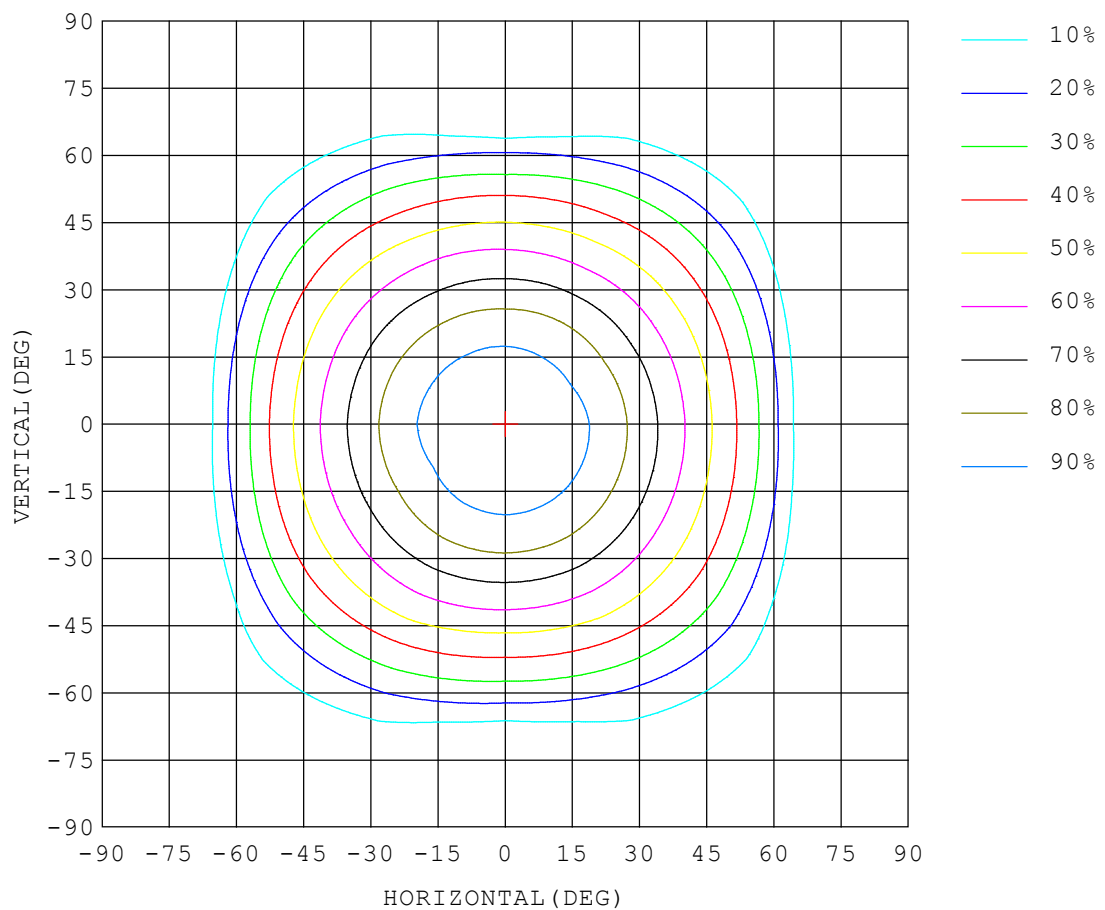
Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

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NAME: FK-FL50-S49N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 90deg	SERIAL No.:

UNIT: cd



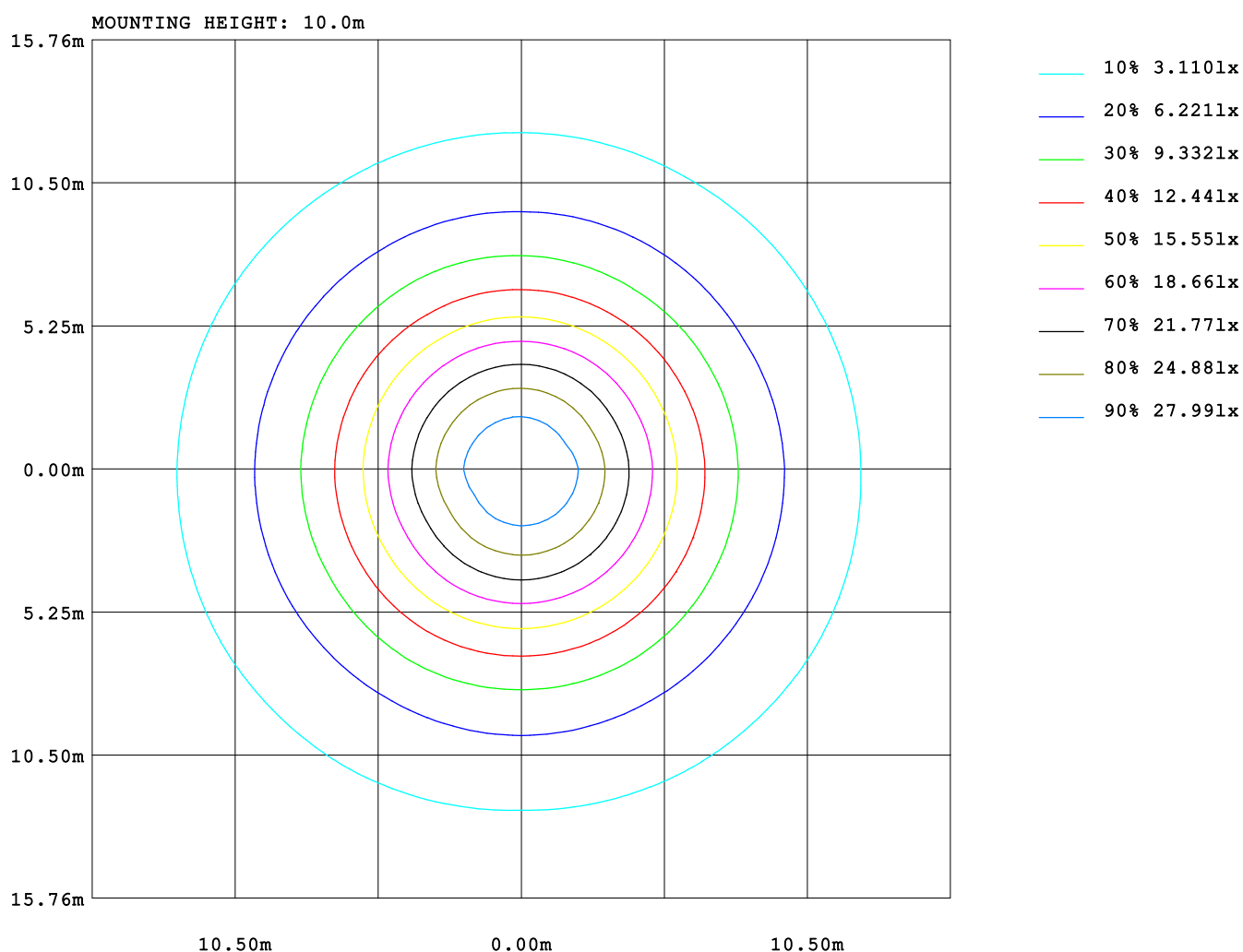
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

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:	
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL50-S49N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 90deg	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082
5.0	3058	3062	3065	3069	3069	3061	3061	3056	3051	3047	3048	3055
10.0	2991	3000	3010	3017	3019	3004	2997	2985	2977	2978	2977	2981
15.0	2883	2906	2926	2939	2934	2916	2903	2887	2875	2872	2872	2879
20.0	2735	2770	2796	2814	2810	2786	2764	2740	2720	2721	2720	2730
25.0	2558	2591	2633	2650	2651	2619	2596	2565	2538	2520	2538	2546
30.0	2345	2389	2426	2445	2450	2427	2391	2361	2318	2300	2305	2334
35.0	2111	2158	2197	2201	2221	2201	2170	2128	2077	2059	2063	2087
40.0	1857	1883	1936	1941	1965	1935	1913	1879	1826	1821	1802	1833
45.0	1604	1634	1642	1670	1647	1691	1657	1618	1574	1561	1542	1576
50.0	1327	1376	1398	1356	1430	1429	1378	1359	1320	1304	1290	1320
55.0	1039	1097	1108	1091	1138	1145	1078	1070	1030	981	1009	1029
60.0	688	815	812	756	838	834	736	742	708	677	688	729
65.0	242	520	523	433	540	542	332	460	447	186	421	425
70.0	80.2	259	268	88.1	276	271	78.8	184	168	80.9	150	118
75.0	45.6	65.8	78.3	47.0	82.5	68.6	42.2	49.9	47.4	47.4	46.5	49.2
80.0	21.1	27.2	30.1	21.3	31.1	28.2	18.1	18.2	19.1	20.2	18.4	17.8
85.0	6.72	8.58	11.5	6.07	11.8	8.97	4.72	6.48	4.67	5.33	4.52	6.19
90.0	2.45	1.09	3.11	1.37	3.32	1.29	2.00	2.83	1.37	2.48	1.38	2.86

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