Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8ILED-LD5-10-N-WG-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Report Generated By E9911574 / USPTCWHP6081592

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34186)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-10-N-WG-UNV-L835-CD1-U
Description:	Metalux 8' ILED WITH OPEN NARROW-HEAVY DUTY WIREGUARD DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8881.0 lumens
Efficiency:	N/A
Efficacy:	132.6 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 0.6 / 0.75
Luminous Opening:	Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type:	Direct
Input Watts (W):	67
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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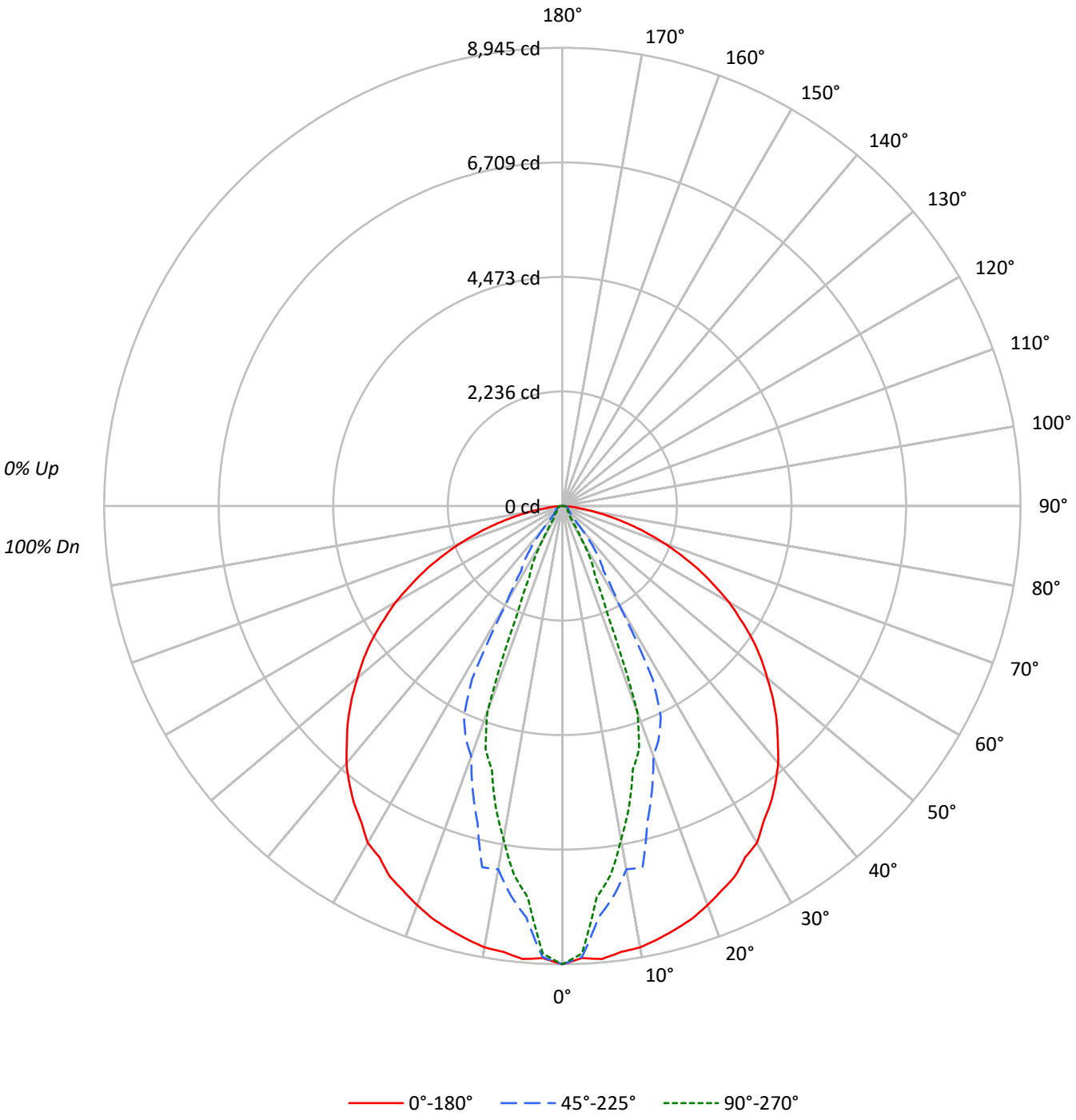
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	68	56	49	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13130	13130	13130
5°	13066	11799	11207
10°	13010	10577	9670
15°	12953	9513	7859
20°	12890	7875	6438
25°	12844	7080	2342
30°	12782	3528	1221
35°	12590	2136	465
40°	12434	1069	405
45°	12130	464	300
50°	11745	393	273
55°	11372	328	286
60°	10797	342	279
65°	9922	371	285
70°	8719	388	296
75°	7047	429	326
80°	4849	509	361
85°	2729	612	452

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.1	8.6
10°-20°	1852.4	20.9
20°-30°	2017.9	22.7
30°-40°	1552.3	17.5
40°-50°	1147.0	12.9
50°-60°	721.7	8.1
60°-70°	472.5	5.3
70°-80°	264.6	3.0
80°-90°	88.6	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4634.4	52.2
0°-40°	6186.7	69.7
0°-60°	8055.3	90.7
0°-90°	8881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8881.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8945	8945	8945	8945	8945	
5°	8878	8809	8068	7592	7678	841
15°	8553	7436	6404	5559	5323	2415
25°	7977	5961	4547	2025	1520	3667
35°	7088	4392	1264	403	279	4432
45°	5916	2340	242	204	160	4556
55°	4523	600	144	151	129	4030
65°	2933	148	126	113	101	2893
75°	1301	112	100	90	81	1395
85°	185	70	72	69	60	236
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*8945.2*	*8945.2*	*8945.2*	*8945.2*	*8945.2*
2.5°	*8835.0*	8838.0	8815.9	8771.8	8743.9
5°	*8877.6*	8808.6	8067.9	7591.8	7678.5
7.5°	*8780.7*	8423.5	7678.5	7322.8	7253.8
10°	*8748.3*	7832.8	7203.8	7083.3	6613.0
12.5°	*8655.7*	7474.2	7225.9	6466.1	6014.9
15°	*8552.9*	7436.0	6404.4	5559.4	5322.8
17.5°	*8441.2*	7100.9	5819.5	5095.0	4981.8
20°	*8289.8*	6886.4	5199.3	4683.5	4285.3
22.5°	*8126.7*	6783.5	4918.6	3052.3	2366.0
25°	*7976.8*	5960.6	4546.8	2025.1	1519.5
27.5°	*7729.9*	5894.4	3819.4	1482.8	1253.5
30°	*7596.2*	5283.1	2185.2	1115.4	765.6
32.5°	*7306.7*	4804.0	1496.0	677.5	457.0
35°	*7087.7*	4392.5	1263.8	402.7	279.2
37.5°	*6830.5*	4120.7	944.9	276.3	242.5
40°	*6557.2*	3800.3	598.1	246.9	230.7
42.5°	*6225.1*	3422.6	354.2	232.2	198.4
45°	*5916.5*	2339.5	242.5	204.3	160.2
47.5°	*5575.5*	1595.9	207.2	173.4	138.1
50°	*5219.9*	1043.4	189.6	154.3	135.2
52.5°	*4886.3*	855.3	164.6	154.3	135.2
55°	*4523.3*	599.6	144.0	151.4	129.3
57.5°	*4125.1*	373.3	135.2	147.0	124.9
60°	*3757.7*	220.4	133.7	142.5	113.2
62.5°	*3328.6*	167.5	130.8	126.4	107.3
65°	*2933.3*	148.4	126.4	113.2	101.4
67.5°	*2508.5*	133.7	117.6	108.7	98.5
70°	*2101.5*	120.5	111.7	101.4	89.6
72.5°	*1692.9*	116.1	105.8	95.5	85.2
75°	*1300.6*	111.7	99.9	89.6	80.8
77.5°	*946.4*	104.3	94.1	86.7	76.4
80°	*614.3*	95.5	89.6	80.8	69.1
82.5°	*342.4*	86.7	82.3	74.9	66.1
85°	*185.2*	70.5	72.0	69.1	60.3
87.5°	*33.8*	50.0	61.7	60.3	52.9
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)