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-W-TWBWG-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 (P34176)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-10-W-TWBWG-UNV-L835-CD1-U
Description:	Metalux 8' ILED WITH THIN WHITE BAFFLE-HEAVY DUTY WIREGUARD DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8522.0 lumens
Efficiency:	N/A
Efficacy:	127.2 lumens/watt
Spacing Criteria (0/90/45):	1.13 / 1.24 / 1.28
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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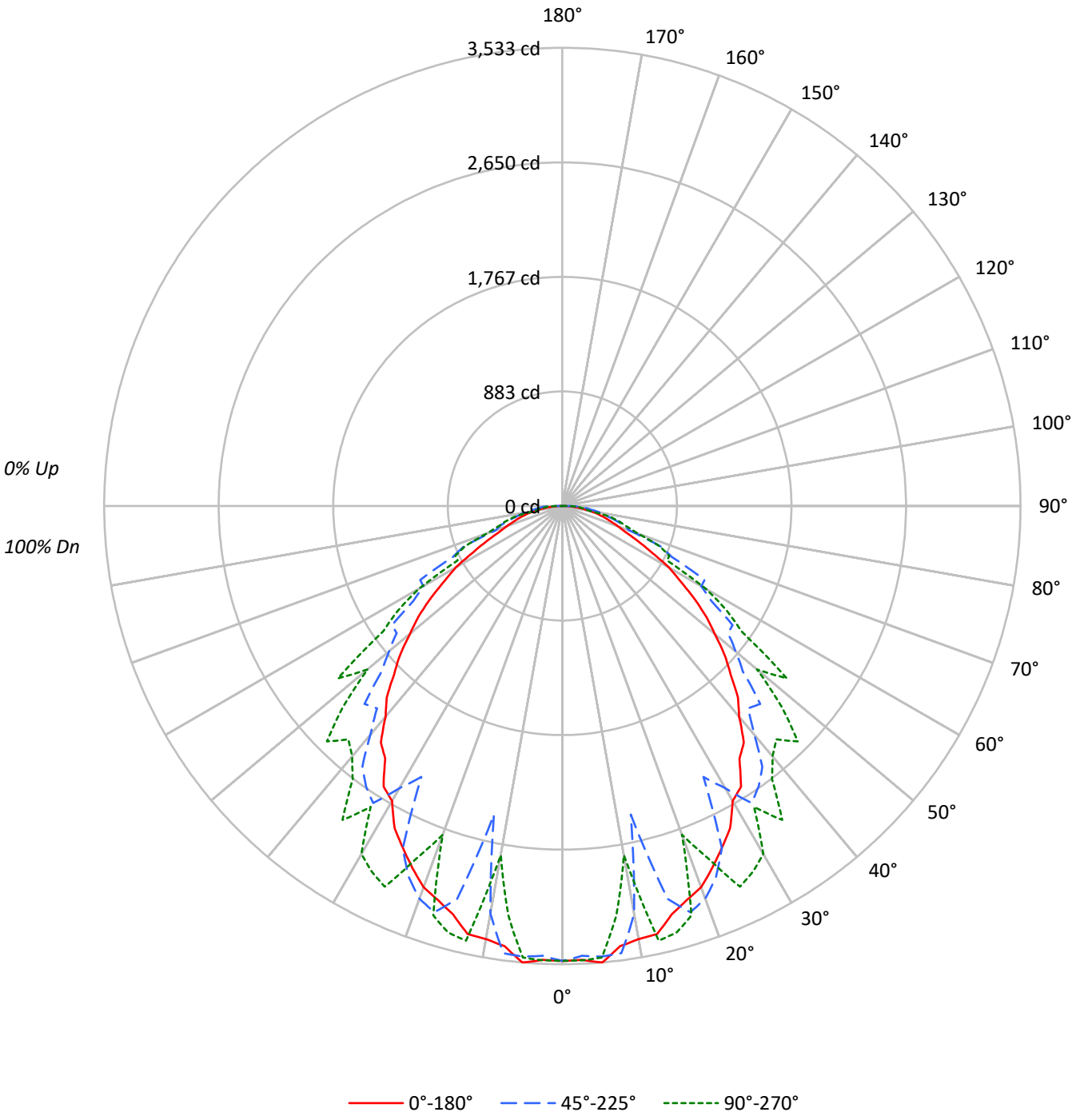
Luminous Intensity Polar Plot



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5148	5148	5148
5°	5200	5099	5101
10°	5042	4686	3997
15°	4937	4658	5028
20°	4864	4880	4052
25°	4684	4532	4993
30°	4419	4056	4940
35°	4228	4459	4920
40°	4020	4115	4424
45°	3761	4125	4806
50°	3451	3614	3960
55°	3108	3651	3734
60°	2724	3159	3156
65°	2185	2728	2561
70°	1879	1898	2034
75°	1783	1822	1809
80°	1643	1715	1073
85°	1524	1548	1019

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.9	3.8
10°-20°	897.4	10.5
20°-30°	1297.4	15.2
30°-40°	1624.9	19.1
40°-50°	1581.7	18.6
50°-60°	1353.9	15.9
60°-70°	839.9	9.9
70°-80°	437.1	5.1
80°-90°	169.8	2.0
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°	2514.7	29.5
0°-40°	4139.6	48.6
0°-60°	7075.3	83.0
0°-90°	8522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3507	3507	3507	3507	3507	
5°	3533	3522	3487	3473	3495	330
15°	3260	3272	3136	3423	3405	923
25°	2909	2411	2910	2992	3240	1337
35°	2380	2481	2638	2617	2955	1504
45°	1835	1647	2158	2207	2568	1419
55°	1236	1353	1602	1912	1686	1106
65°	646	725	930	787	910	656
75°	329	382	424	456	449	348
85°	103	137	182	209	136	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*3507.4*	3507.4	3507.4	3507.4	3507.4
2.5°	*3503.3*	3488.3	3472.0	3500.6	3506.0
5°	*3533.2*	*3522.3*	*3487.0*	*3473.4*	*3495.1*
7.5°	*3423.0*	3446.2	3478.8	3302.0	3187.8
10°	*3390.4*	3378.2	3191.9	2457.5	2733.5
12.5°	*3379.5*	3364.6	2437.1	3416.2	3432.6
15°	*3259.9*	3272.1	3136.1	3423.0	3405.4
17.5°	*3186.4*	3017.8	3284.3	3341.5	3310.2
20°	*3127.9*	2630.2	3221.8	3069.5	2696.8
22.5°	*3020.5*	2242.6	3096.7	2462.9	2941.6
25°	*2909.0*	2411.2	2910.3	2991.9	3239.5
27.5°	*2801.5*	2732.2	2354.1	3122.5	3181.0
30°	*2626.1*	2709.1	2511.9	3057.2	3098.0
32.5°	*2564.9*	2586.7	2715.9	2887.2	2751.2
35°	*2380.0*	2480.6	2638.3	2616.6	2955.2
37.5°	*2298.4*	2326.9	2532.3	2755.3	2654.7
40°	*2120.2*	2163.7	2302.4	2434.3	2520.0
42.5°	*2004.6*	1859.1	2116.1	2359.6	2441.1
45°	*1834.6*	1646.9	2158.3	2207.2	2567.6
47.5°	*1695.9*	1636.0	1889.0	2297.0	2297.0
50°	*1534.0*	1612.9	1744.8	2052.2	1959.7
52.5°	*1395.3*	1502.8	1610.2	1784.3	2182.8
55°	*1236.2*	1353.2	1602.0	1912.1	1686.4
57.5°	*1079.8*	1179.1	1360.0	1464.7	1504.1
60°	*947.9*	1044.5	1236.2	1316.5	1278.4
62.5°	*777.9*	900.3	1236.2	1037.7	909.8
65°	*646.0*	724.9	930.2	787.4	909.8
67.5°	*530.4*	612.0	826.9	760.2	810.5
70°	*452.9*	511.3	546.7	680.0	616.1
72.5°	*387.6*	429.8	500.5	514.1	511.3
75°	*329.1*	382.2	424.3	455.6	448.8
77.5°	*273.4*	348.2	349.5	418.9	364.5
80°	*208.1*	238.0	301.9	273.4	205.4
82.5°	*152.3*	186.3	229.8	236.6	180.9
85°	*103.4*	137.4	182.2	209.4	136.0
87.5°	*47.6*	93.8	148.2	187.7	123.8
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)