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-TWB-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 (P34175)
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-TWB-UNV-L835-CD1-U
Description:	Metalux 8' ILED WITH THIN WHITE BAFFLE DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9010.0 lumens
Efficiency:	N/A
Efficacy:	134.5 lumens/watt
Spacing Criteria (0/90/45):	1.14 / 1.32 / 1.34
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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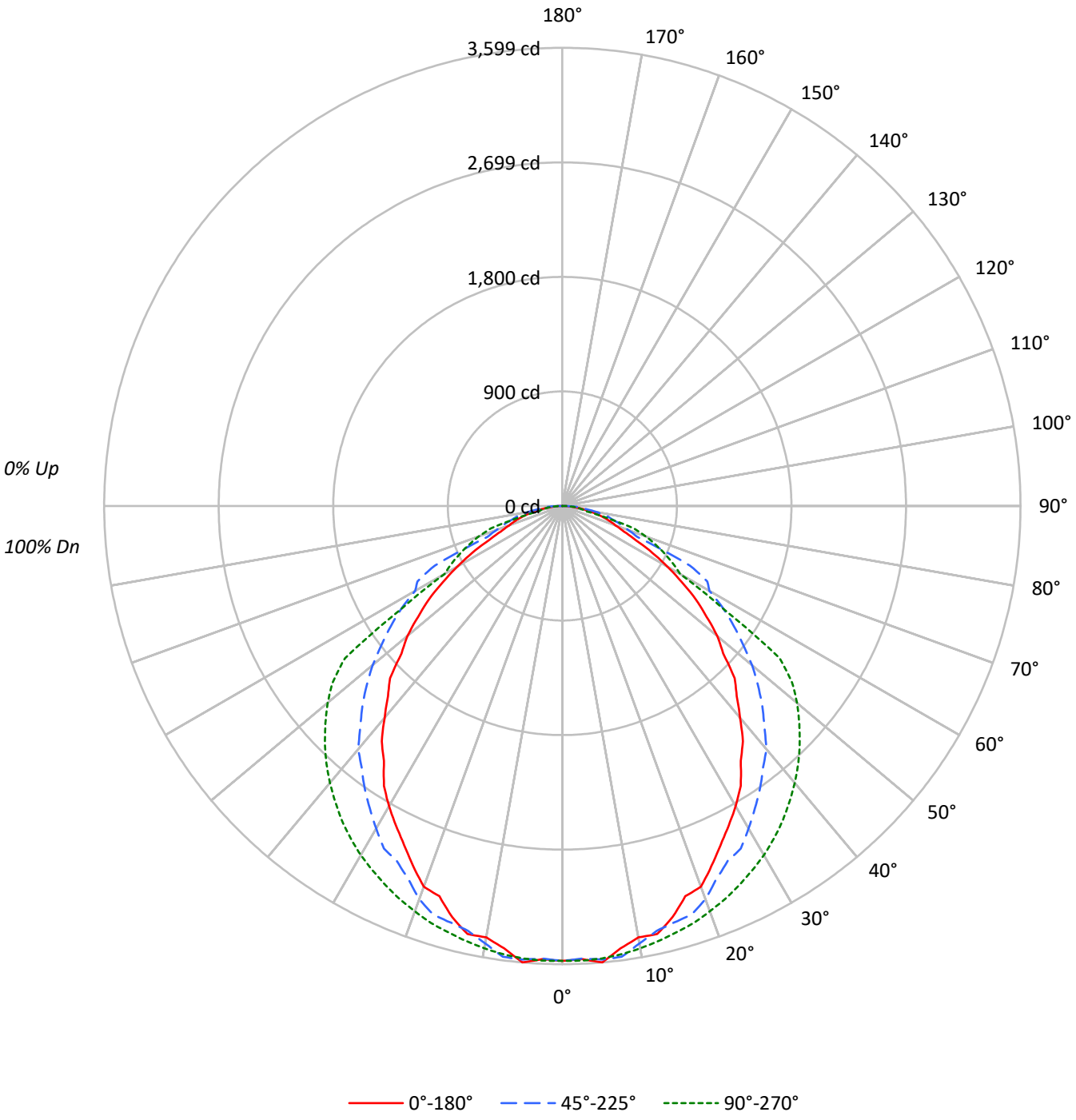
Luminous Intensity Polar Plot



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5244	5244	5244
5°	5296	5229	5207
10°	5117	5122	5159
15°	5063	5032	5118
20°	4949	4979	5090
25°	4732	4790	5064
30°	4582	4724	5048
35°	4339	4576	5024
40°	4119	4455	4985
45°	3923	4245	4936
50°	3574	4028	4862
55°	3218	3751	4616
60°	2735	3409	2639
65°	2158	3242	2496
70°	1845	1912	2295
75°	1761	1740	1447
80°	1610	1538	852
85°	1282	1155	724

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	3.8
10°-20°	960.9	10.7
20°-30°	1434.3	15.9
30°-40°	1707.3	18.9
40°-50°	1726.2	19.2
50°-60°	1454.4	16.1
60°-70°	840.4	9.3
70°-80°	414.8	4.6
80°-90°	133.0	1.5
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°	2733.7	30.3
0°-40°	4441.0	49.3
0°-60°	7621.7	84.6
0°-90°	9010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3573	3573	3573	3573	3573	
5°	3599	3607	3576	3558	3567	336
15°	3343	3395	3388	3479	3467	938
25°	2939	2993	3076	3226	3286	1357
35°	2443	2542	2708	2938	3018	1537
45°	1914	1972	2221	2488	2637	1452
55°	1280	1380	1646	1962	2085	1136
65°	638	778	1106	831	887	657
75°	325	400	405	446	359	342
85°	87	107	136	162	97	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3572.8	3572.8	3572.8	3572.8	3572.8
2.5°	3561.9	3566.0	3557.8	3578.2	3574.2
5°	3598.6	3606.8	3575.5	3557.8	3567.4
7.5°	3504.8	3522.5	3571.4	3548.3	3551.0
10°	3440.9	3443.6	3488.5	3560.6	3527.9
12.5°	3443.6	3438.2	3417.8	3541.5	3499.4
15°	3343.0	3394.6	3387.8	3479.0	3466.7
17.5°	3213.8	3264.1	3366.1	3416.4	3434.1
20°	3182.5	3164.8	3287.2	3336.2	3387.8
22.5°	3061.4	3132.2	3166.2	3275.0	3341.6
25°	2939.0	2993.4	3076.4	3226.0	3285.8
27.5°	2828.9	2887.3	3034.2	3179.8	3227.4
30°	2722.8	2777.2	2925.4	3121.3	3166.2
32.5°	2607.2	2675.2	2815.3	3050.5	3095.4
35°	2442.6	2541.9	2707.8	2937.7	3017.9
37.5°	2329.7	2395.0	2589.5	2818.0	2929.5
40°	2172.0	2276.7	2492.9	2725.5	2839.7
42.5°	2026.4	2129.8	2347.4	2609.9	2743.2
45°	1913.6	1972.0	2220.9	2487.5	2637.1
47.5°	1712.3	1860.5	2083.6	2356.9	2524.2
50°	1588.5	1690.5	1944.8	2231.8	2405.9
52.5°	1428.0	1542.3	1788.4	2093.1	2274.0
55°	1279.8	1380.4	1645.6	1962.5	2084.9
57.5°	1111.1	1240.3	1497.4	1814.3	1487.9
60°	952.0	1081.2	1334.2	1225.4	1069.0
62.5°	799.7	913.9	1283.9	922.1	980.6
65°	637.9	777.9	1105.7	831.0	886.7
67.5°	523.6	621.5	637.9	743.9	792.9
70°	444.7	492.3	550.8	659.6	695.0
72.5°	386.2	406.6	478.7	586.2	591.6
75°	325.0	399.8	405.3	446.1	359.0
77.5°	259.8	322.3	350.9	259.8	183.6
80°	204.0	219.0	270.6	228.5	163.2
82.5°	141.4	161.8	187.7	197.2	134.6
85°	87.0	107.4	136.0	161.8	96.6
87.5°	36.7	58.5	93.8	125.1	53.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)