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-LD5-14-W-FLWG-UNV-L835-CD2-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 (P34182)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-14-W-FLWG-UNV-L835-CD2-U
Description:	Metalux 8' ILED WITH FROSTED ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9959.0 lumens
Efficiency:	N/A
Efficacy:	98.8 lumens/watt
Spacing Criteria (0/90/45):	1.23 / 1.25 / 1.36
Luminous Opening:	Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type:	Direct
Input Watts (W):	100.8
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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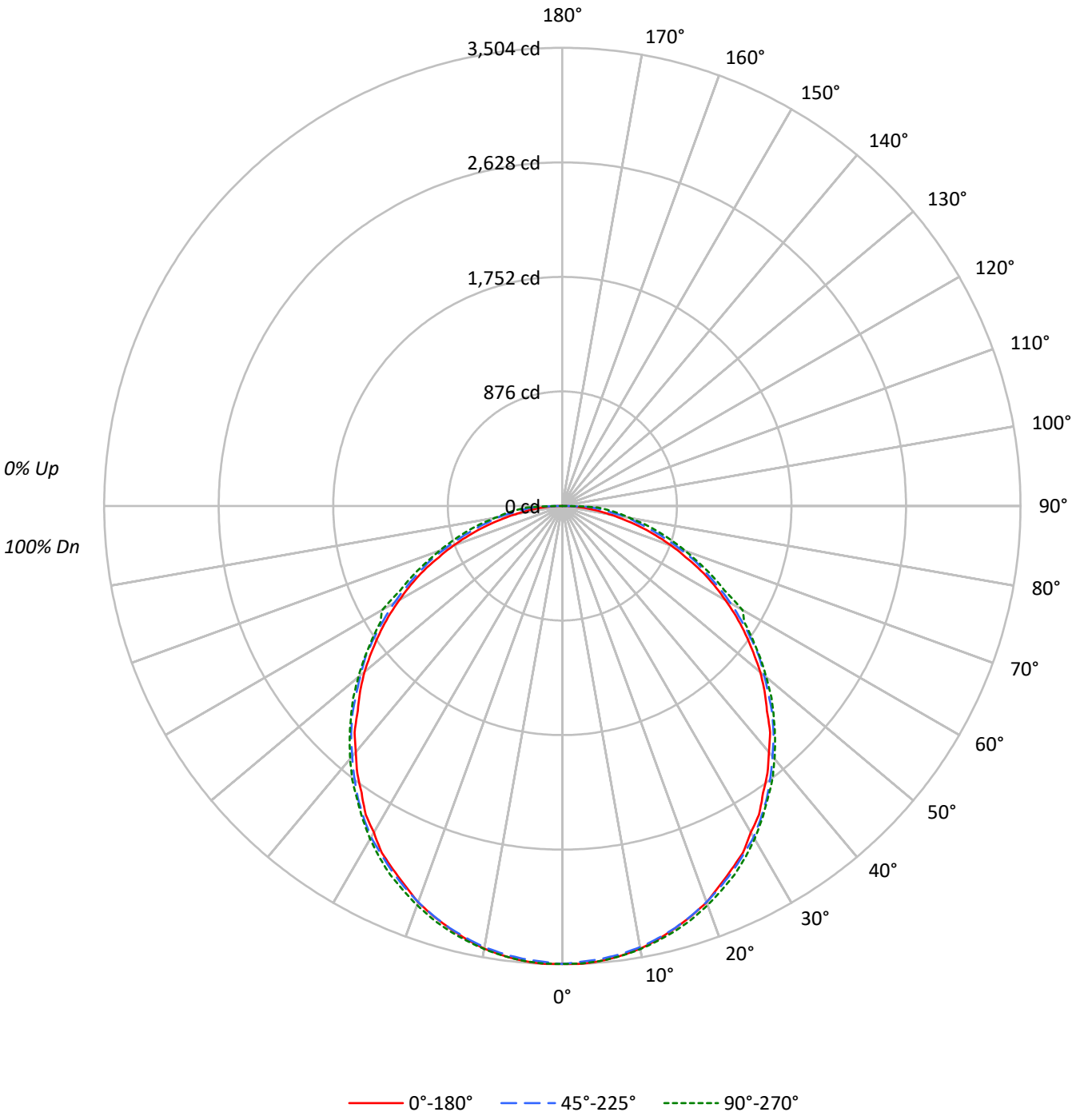
Luminous Intensity Polar Plot



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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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5140	5140	5140
5°	5137	5082	5094
10°	5112	5029	5032
15°	5061	4961	4962
20°	5015	4882	4879
25°	4934	4799	4797
30°	4851	4723	4688
35°	4755	4608	4554
40°	4659	4469	4430
45°	4536	4346	4280
50°	4445	4171	4116
55°	4299	4006	3930
60°	4139	3798	3930
65°	3955	3563	3560
70°	3686	3316	3293
75°	3354	3011	3057
80°	2895	2855	2724
85°	2477	2467	2592

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.1	3.3
10°-20°	944.5	9.5
20°-30°	1422.3	14.3
30°-40°	1701.0	17.1
40°-50°	1746.9	17.5
50°-60°	1568.8	15.8
60°-70°	1207.1	12.1
70°-80°	744.0	7.5
80°-90°	293.4	2.9
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°	2697.9	27.1
0°-40°	4398.9	44.2
0°-60°	7714.5	77.5
0°-90°	9959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3502	3502	3502	3502	3502	
5°	3491	3489	3475	3489	3491	331
15°	3342	3347	3340	3353	3361	943
25°	3064	3068	3082	3105	3112	1413
35°	2677	2715	2726	2736	2736	1679
45°	2212	2247	2274	2283	2287	1714
55°	1710	1733	1758	1777	1775	1529
65°	1169	1181	1215	1257	1265	1153
75°	619	652	701	747	758	654
85°	168	224	290	332	346	192
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*3502.0*	3502.0	3502.0	3502.0	3502.0
2.5°	*3503.9*	*3502.0*	*3488.6*	*3498.2*	*3502.0*
5°	*3490.6*	3488.6	3475.3	3488.6	3490.6
7.5°	*3467.6*	3467.6	3454.3	3467.6	3469.5
10°	*3437.1*	3437.1	3425.6	3437.1	3440.9
12.5°	*3393.1*	3396.9	3385.5	3398.9	3402.7
15°	*3341.5*	3347.3	3339.6	3353.0	3360.6
17.5°	*3286.1*	3288.0	3284.2	3301.4	3309.1
20°	*3225.0*	3223.1	3223.1	3246.0	3247.9
22.5°	*3142.8*	3152.4	3154.3	3179.1	3181.1
25°	*3064.5*	3068.3	3081.7	3104.6	3112.3
27.5°	*2990.0*	2988.1	3001.5	3022.5	3030.1
30°	*2883.0*	2902.1	2925.0	2932.7	2940.3
32.5°	*2798.9*	2804.7	2827.6	2835.2	2841.0
35°	*2676.7*	2714.9	2726.3	2735.9	2735.9
37.5°	*2577.3*	2598.3	2613.6	2630.8	2638.5
40°	*2457.0*	2483.7	2500.9	2518.1	2523.8
42.5°	*2351.9*	2369.1	2390.1	2403.5	2407.3
45°	*2212.4*	2246.8	2273.5	2283.1	2286.9
47.5°	*2097.8*	2136.0	2139.8	2162.7	2168.5
50°	*1975.5*	2004.2	2013.7	2040.5	2036.6
52.5°	*1839.9*	1874.2	1897.2	1904.8	1906.7
55°	*1709.9*	1732.9	1757.7	1776.8	1774.9
57.5°	*1578.1*	1597.2	1618.2	1646.9	1648.8
60°	*1440.5*	1463.5	1486.4	1515.1	1591.5
62.5°	*1306.8*	1320.2	1346.9	1402.3	1396.6
65°	*1169.3*	1180.7	1215.1	1257.1	1264.8
67.5°	*1020.2*	1043.2	1094.7	1121.5	1125.3
70°	*888.4*	909.4	955.3	989.7	997.3
72.5°	*748.9*	773.8	823.4	867.4	878.8
75°	*619.0*	651.5	701.2	747.0	758.5
77.5°	*485.3*	527.3	586.5	697.3	643.9
80°	*366.8*	414.6	502.5	515.8	521.6
82.5°	*261.7*	313.3	376.4	422.2	437.5
85°	*168.1*	223.5	290.4	332.4	345.8
87.5°	*93.6*	147.1	217.8	259.8	271.3
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)