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-TWB-UNV-L835-CD2-U**

Issue Date: 3/3/2020

Report Generated By E9911574 / USPTCWHP6081592

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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-LD5-14-W-TWB-UNV-L835-CD2-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:	12657.0 lumens
Efficiency:	N/A
Efficacy:	125.6 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):	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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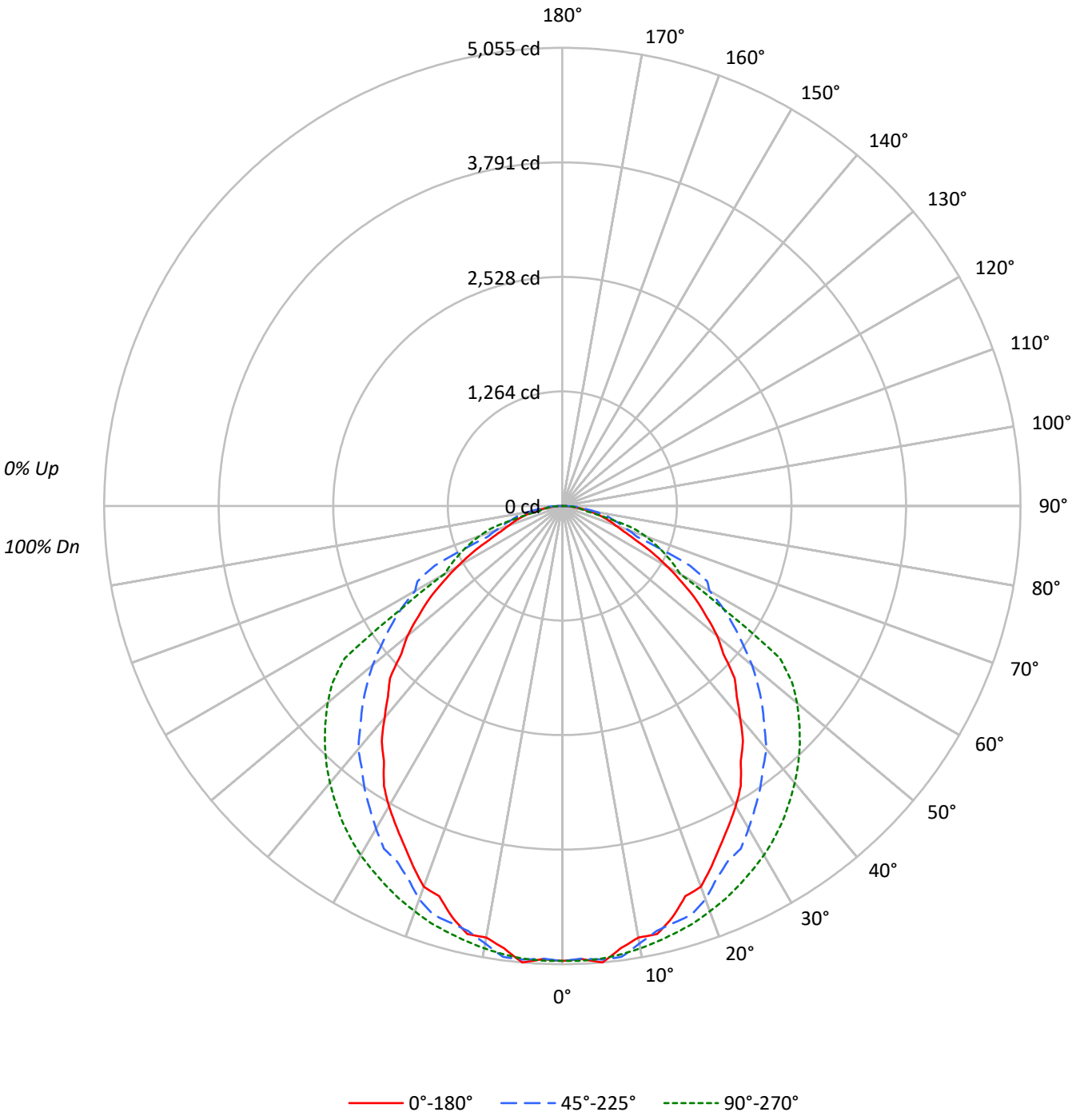
Luminous Intensity Polar Plot



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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	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°	7367	7367	7367
5°	7440	7345	7314
10°	7189	7195	7247
15°	7112	7069	7190
20°	6951	6994	7150
25°	6648	6729	7114
30°	6436	6636	7092
35°	6095	6429	7057
40°	5785	6259	7003
45°	5511	5964	6933
50°	5021	5659	6830
55°	4520	5269	6485
60°	3843	4789	3708
65°	3031	4555	3506
70°	2592	2686	3224
75°	2474	2444	2033
80°	2262	2160	1197
85°	1802	1623	1016

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	3.8
10°-20°	1349.9	10.7
20°-30°	2014.9	15.9
30°-40°	2398.4	18.9
40°-50°	2425.0	19.2
50°-60°	2043.1	16.1
60°-70°	1180.6	9.3
70°-80°	582.8	4.6
80°-90°	186.9	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°	3840.3	30.3
0°-40°	6238.6	49.3
0°-60°	10706.7	84.6
0°-90°	12657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5019	5019	5019	5019	5019	
5°	5055	5067	5023	4998	5011	472
15°	4696	4769	4759	4887	4870	1318
25°	4129	4205	4322	4532	4616	1906
35°	3431	3571	3804	4127	4240	2158
45°	2688	2770	3120	3494	3704	2040
55°	1798	1939	2312	2757	2929	1596
65°	896	1093	1553	1167	1246	922
75°	457	562	569	627	504	480
85°	122	151	191	227	136	140
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5019.0	5019.0	5019.0	5019.0	5019.0
2.5°	5003.7	5009.4	4998.0	5026.6	5020.9
5°	5055.3	5066.7	5022.8	4998.0	5011.3
7.5°	4923.4	4948.3	5017.1	4984.6	4988.4
10°	4833.7	4837.5	4900.5	5001.8	4955.9
12.5°	4837.5	4829.8	4801.2	4975.0	4915.8
15°	4696.1	4768.7	4759.1	4887.1	4870.0
17.5°	4514.6	4585.3	4728.6	4799.3	4824.1
20°	4470.6	4445.8	4617.8	4686.5	4759.1
22.5°	4300.6	4400.0	4447.7	4600.6	4694.2
25°	4128.7	4205.1	4321.6	4531.8	4615.9
27.5°	3973.9	4056.1	4262.4	4466.8	4533.7
30°	3824.9	3901.3	4109.6	4384.7	4447.7
32.5°	3662.5	3758.0	3954.8	4285.3	4348.4
35°	3431.3	3570.8	3803.9	4126.8	4239.5
37.5°	3272.7	3364.5	3637.7	3958.6	4115.3
40°	3051.1	3198.2	3502.0	3828.7	3989.2
42.5°	2846.7	2991.9	3297.6	3666.3	3853.5
45°	2688.1	2770.3	3119.9	3494.4	3704.5
47.5°	2405.4	2613.6	2926.9	3311.0	3546.0
50°	2231.5	2374.8	2732.1	3135.2	3379.7
52.5°	2006.1	2166.5	2512.4	2940.3	3194.4
55°	1797.8	1939.2	2311.7	2756.9	2928.8
57.5°	1560.9	1742.4	2103.5	2548.7	2090.1
60°	1337.4	1518.9	1874.2	1721.4	1501.7
62.5°	1123.4	1283.9	1803.5	1295.3	1377.5
65°	896.0	1092.8	1553.3	1167.3	1245.7
67.5°	735.6	873.1	896.0	1045.1	1113.8
70°	624.7	691.6	773.8	926.6	976.3
72.5°	542.6	571.2	672.5	823.4	831.1
75°	456.6	561.7	569.3	626.7	504.4
77.5°	364.9	452.8	492.9	364.9	257.9
80°	286.6	307.6	380.2	321.0	229.3
82.5°	198.7	227.4	263.7	277.0	189.1
85°	122.3	150.9	191.1	227.4	135.6
87.5°	51.6	82.2	131.8	175.8	74.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)