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-LD5-28-W-TWB-UNV-L835-CD4-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-LD5-28-W-TWB-UNV-L835-CD4-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:	25014.0 lumens
Efficiency:	N/A
Efficacy:	122.6 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):	204
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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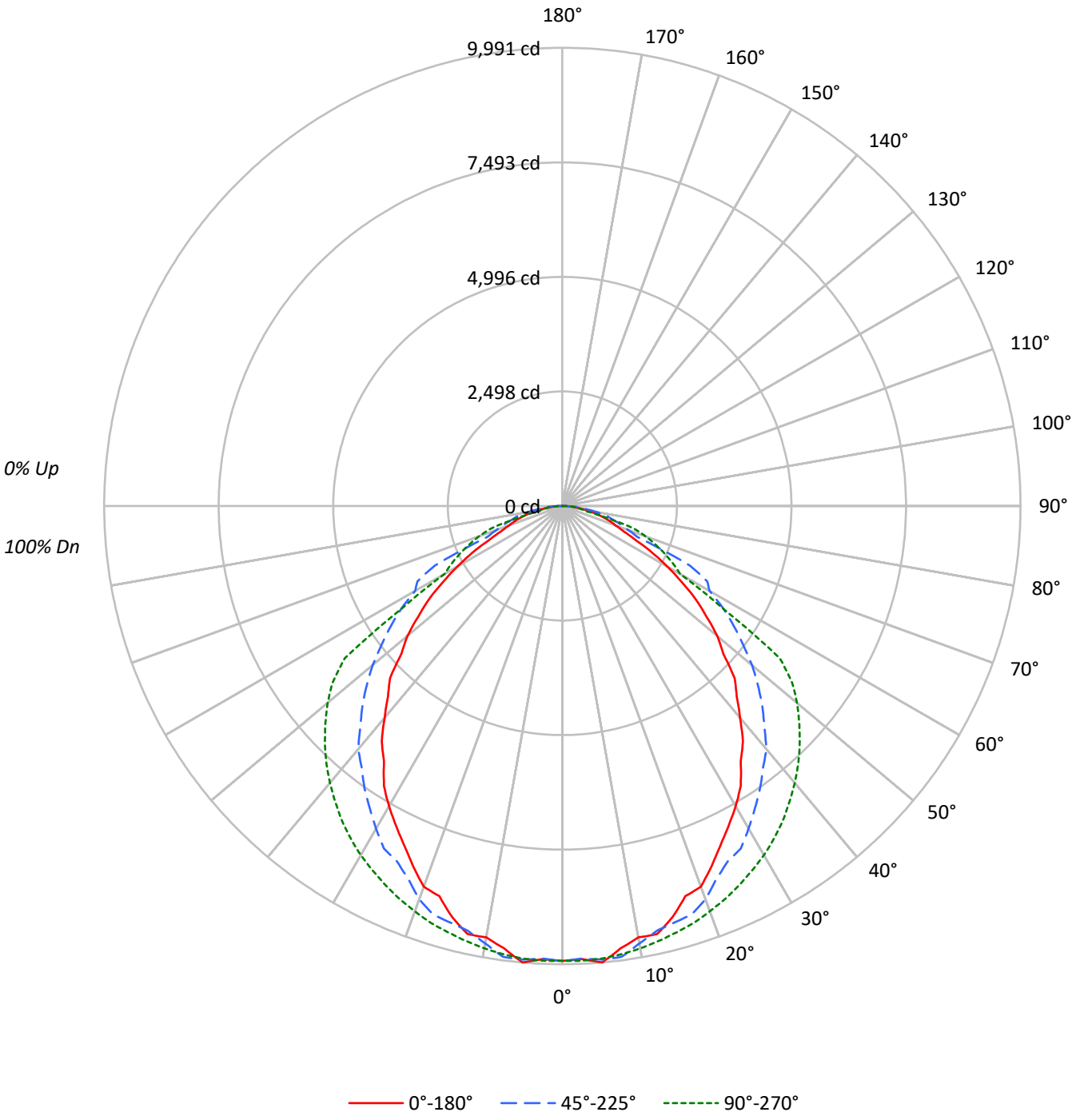
Luminous Intensity Polar Plot



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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	46
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°	14559	14559	14559
5°	14704	14517	14455
10°	14207	14219	14323
15°	14056	13971	14210
20°	13738	13822	14130
25°	13138	13299	14059
30°	12720	13114	14015
35°	12046	12706	13948
40°	11434	12369	13839
45°	10891	11786	13702
50°	9923	11184	13498
55°	8933	10413	12816
60°	7594	9464	7328
65°	5990	9002	6929
70°	5123	5309	6371
75°	4890	4831	4017
80°	4471	4270	2366
85°	3562	3207	2009

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.6	3.8
10°-20°	2667.8	10.7
20°-30°	3982.1	15.9
30°-40°	4739.9	18.9
40°-50°	4792.4	19.2
50°-60°	4037.9	16.1
60°-70°	2333.2	9.3
70°-80°	1151.7	4.6
80°-90°	369.4	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°	7589.5	30.3
0°-40°	12329.4	49.3
0°-60°	21159.7	84.6
0°-90°	25014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9919	9919	9919	9919	9919	
5°	9991	10013	9926	9878	9904	934
15°	9281	9424	9406	9658	9624	2605
25°	8160	8310	8541	8956	9122	3768
35°	6781	7057	7518	8156	8378	4266
45°	5312	5475	6166	6906	7321	4031
55°	3553	3832	4569	5448	5788	3154
65°	1771	2160	3070	2307	2462	1823
75°	902	1110	1125	1238	997	949
85°	242	298	378	449	268	277
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9919.0	*9919.0*	9919.0	9919.0	9919.0
2.5°	9888.8	*9900.1*	9877.5	9934.1	9922.8
5°	*9990.7*	*10013.4*	*9926.5*	*9877.5*	*9903.9*
7.5°	9730.2	*9779.3*	9915.2	9851.0	9858.6
10°	9552.7	*9560.3*	9684.9	9885.0	9794.4
12.5°	9560.3	*9545.2*	9488.5	9832.1	9715.1
15°	9280.9	*9424.4*	9405.5	9658.5	9624.5
17.5°	8922.2	*9061.9*	9345.1	9484.8	9533.9
20°	8835.3	*8786.2*	9126.1	9262.0	9405.5
22.5°	8499.3	*8695.6*	8790.0	9092.1	9277.1
25°	8159.5	*8310.5*	8540.8	8956.2	9122.3
27.5°	7853.6	*8016.0*	8423.8	8827.8	8959.9
30°	7559.1	*7710.2*	8121.7	8665.4	8790.0
32.5°	7238.2	*7427.0*	7815.9	8469.1	8593.7
35°	6781.3	*7056.9*	7517.6	8155.7	8378.5
37.5°	6467.9	*6649.2*	7189.1	7823.4	8133.0
40°	6029.9	*6320.7*	6921.0	7566.7	7883.8
42.5°	5625.9	*5912.9*	6517.0	7245.7	7615.8
45°	5312.5	*5474.9*	6165.9	6905.9	7321.2
47.5°	4753.7	*5165.3*	5784.5	6543.4	7007.9
50°	4410.1	*4693.3*	5399.4	6196.1	6679.4
52.5°	3964.6	*4281.7*	4965.2	5810.9	6313.1
55°	3553.0	*3832.4*	4568.7	5448.5	5788.3
57.5°	3084.8	*3443.5*	4157.1	5036.9	4130.7
60°	2643.0	*3001.7*	3704.0	3402.0	2967.8
62.5°	2220.2	*2537.3*	3564.3	2560.0	2722.3
65°	1770.8	*2159.7*	3069.7	2307.0	2461.8
67.5°	1453.7	*1725.5*	1770.8	2065.4	2201.3
70°	1234.7	*1366.8*	1529.2	1831.3	1929.4
72.5°	1072.3	*1129.0*	1329.1	1627.4	1642.5
75°	902.4	*1110.1*	1125.2	1238.5	996.8
77.5°	721.2	*894.9*	974.2	721.2	509.7
80°	566.4	*607.9*	751.4	634.3	453.1
82.5°	392.7	*449.3*	521.1	547.5	373.8
85°	241.7	*298.3*	377.6	449.3	268.1
87.5°	101.9	*162.4*	260.5	347.4	147.3
90°	0.0	*0.0*	0.0	0.0	0.0

(END OF REPORT)