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-N-TWBWG-UNV-L850-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 (P34186)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-14-N-TWBWG-UNV-L850-CD2-U
Description:	Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE AND WIREGUARD DISTRIBUION
Light Source:	(1) 5000 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13147.0 lumens
Efficiency:	N/A
Efficacy:	130.4 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 0.6 / 0.75
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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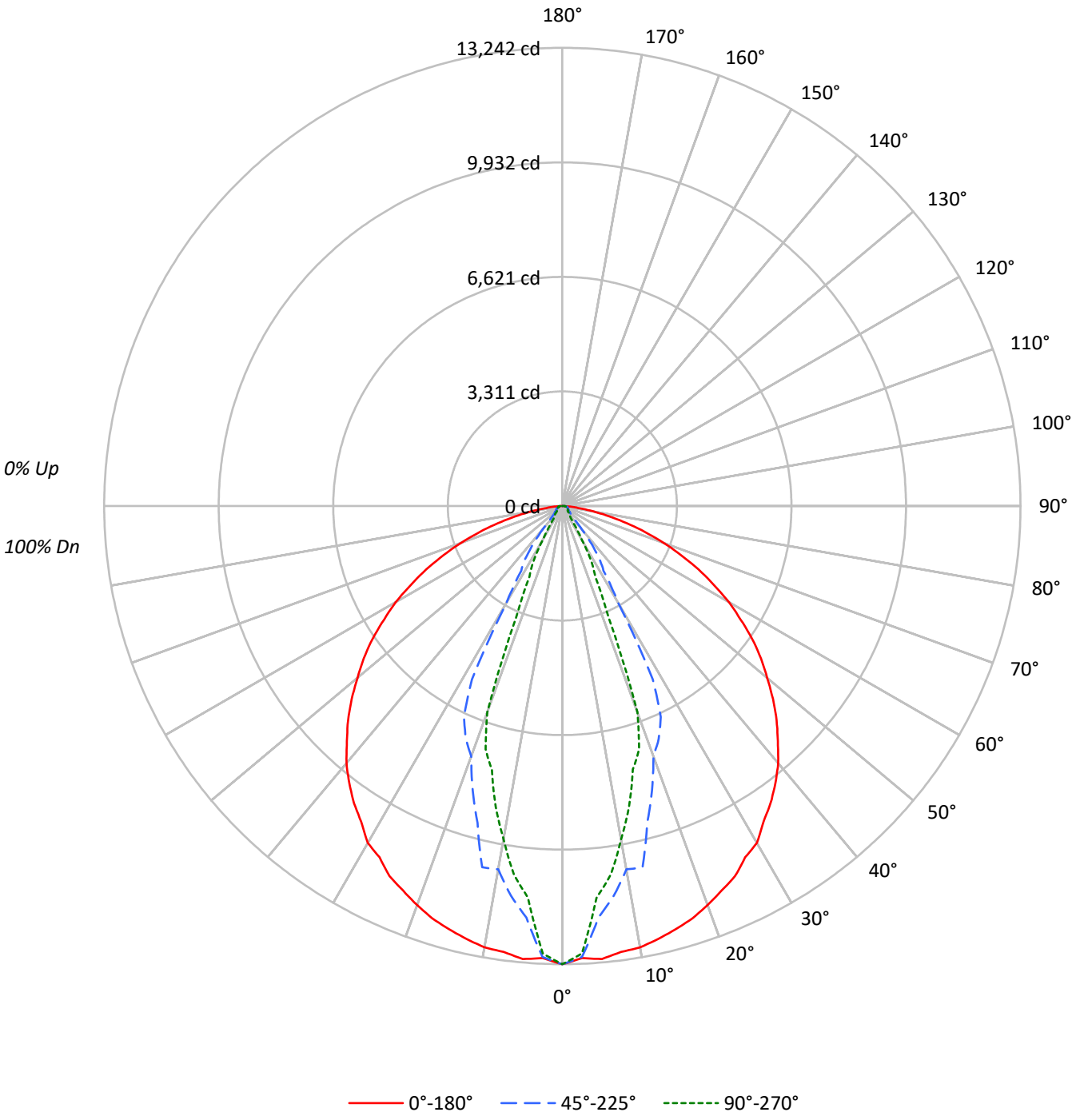
Luminous Intensity Polar Plot



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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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	68	56	49	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19437	19437	19437
5°	19342	17466	16590
10°	19260	15657	14316
15°	19176	14082	11634
20°	19082	11658	9530
25°	19014	10481	3467
30°	18922	5223	1807
35°	18638	3162	688
40°	18406	1582	599
45°	17956	686	444
50°	17386	581	404
55°	16835	486	424
60°	15984	506	414
65°	14687	549	422
70°	12907	574	438
75°	10432	635	482
80°	7177	754	534
85°	4039	905	669

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1131.1	8.6
10°-20°	2742.2	20.9
20°-30°	2987.2	22.7
30°-40°	2298.0	17.5
40°-50°	1697.9	12.9
50°-60°	1068.3	8.1
60°-70°	699.5	5.3
70°-80°	391.7	3.0
80°-90°	131.1	1.0
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°	6860.5	52.2
0°-40°	9158.5	69.7
0°-60°	11924.7	90.7
0°-90°	13147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13242	13242	13242	13242	13242	
5°	13142	13040	11943	11238	11367	###
15°	12661	11008	9481	8230	7880	3575
25°	11808	8824	6731	2998	2249	5429
35°	10492	6502	1871	596	413	6562
45°	8758	3463	359	302	237	6745
55°	6696	888	213	224	191	5965
65°	4342	220	187	168	150	4283
75°	1925	165	148	133	120	2066
85°	274	104	107	102	89	349
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*13242.1*	*13242.1*	*13242.1*	*13242.1*	*13242.1*
2.5°	*13078.9*	13083.3	13050.7	12985.4	12944.1
5°	*13142.0*	13039.8	11943.3	11238.5	11366.8
7.5°	*12998.5*	12469.8	11366.8	10840.4	10738.1
10°	*12950.6*	11595.3	10664.2	10485.8	9789.6
12.5°	*12813.5*	11064.5	10696.8	9572.1	8904.2
15°	*12661.3*	11007.9	9480.7	8229.8	7879.6
17.5°	*12495.9*	10511.9	8614.9	7542.4	7374.9
20°	*12271.8*	10194.3	7696.8	6933.2	6343.7
22.5°	*12030.4*	10042.0	7281.3	4518.5	3502.5
25°	*11808.5*	8823.7	6730.9	2997.8	2249.4
27.5°	*11443.0*	8725.8	5654.1	2195.1	1855.7
30°	*11245.0*	7820.8	3234.9	1651.2	1133.4
32.5°	*10816.5*	7111.6	2214.6	1002.9	676.6
35°	*10492.3*	6502.5	1870.9	596.1	413.3
37.5°	*10111.6*	6100.0	1398.8	409.0	359.0
40°	*9707.0*	5625.8	885.4	365.5	341.5
42.5°	*9215.3*	5066.7	524.3	343.7	293.7
45°	*8758.5*	3463.4	359.0	302.4	237.1
47.5°	*8253.7*	2362.6	306.7	256.7	204.5
50°	*7727.3*	1544.6	280.6	228.4	200.1
52.5°	*7233.4*	1266.1	243.7	228.4	200.1
55°	*6696.1*	887.6	213.2	224.1	191.4
57.5°	*6106.6*	552.6	200.1	217.5	184.9
60°	*5562.7*	326.3	198.0	211.0	167.5
62.5°	*4927.4*	248.0	193.6	187.1	158.8
65°	*4342.2*	219.7	187.1	167.5	150.1
67.5°	*3713.5*	198.0	174.0	161.0	145.8
70°	*3110.9*	178.4	165.3	150.1	132.7
72.5°	*2506.1*	171.9	156.6	141.4	126.2
75°	*1925.3*	165.3	147.9	132.7	119.7
77.5°	*1401.0*	154.5	139.2	128.4	113.1
80°	*909.3*	141.4	132.7	119.7	102.2
82.5°	*506.9*	128.4	121.8	110.9	97.9
85°	*274.1*	104.4	106.6	102.2	89.2
87.5°	*50.0*	74.0	91.4	89.2	78.3
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)