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-LD5-18-N-TWBWG-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 (P34186)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-18-N-TWBWG-UNV-L835-CD2-U
Description:	Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE AND WIREGUARD DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15217.0 lumens
Efficiency:	N/A
Efficacy:	115.9 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):	131.3
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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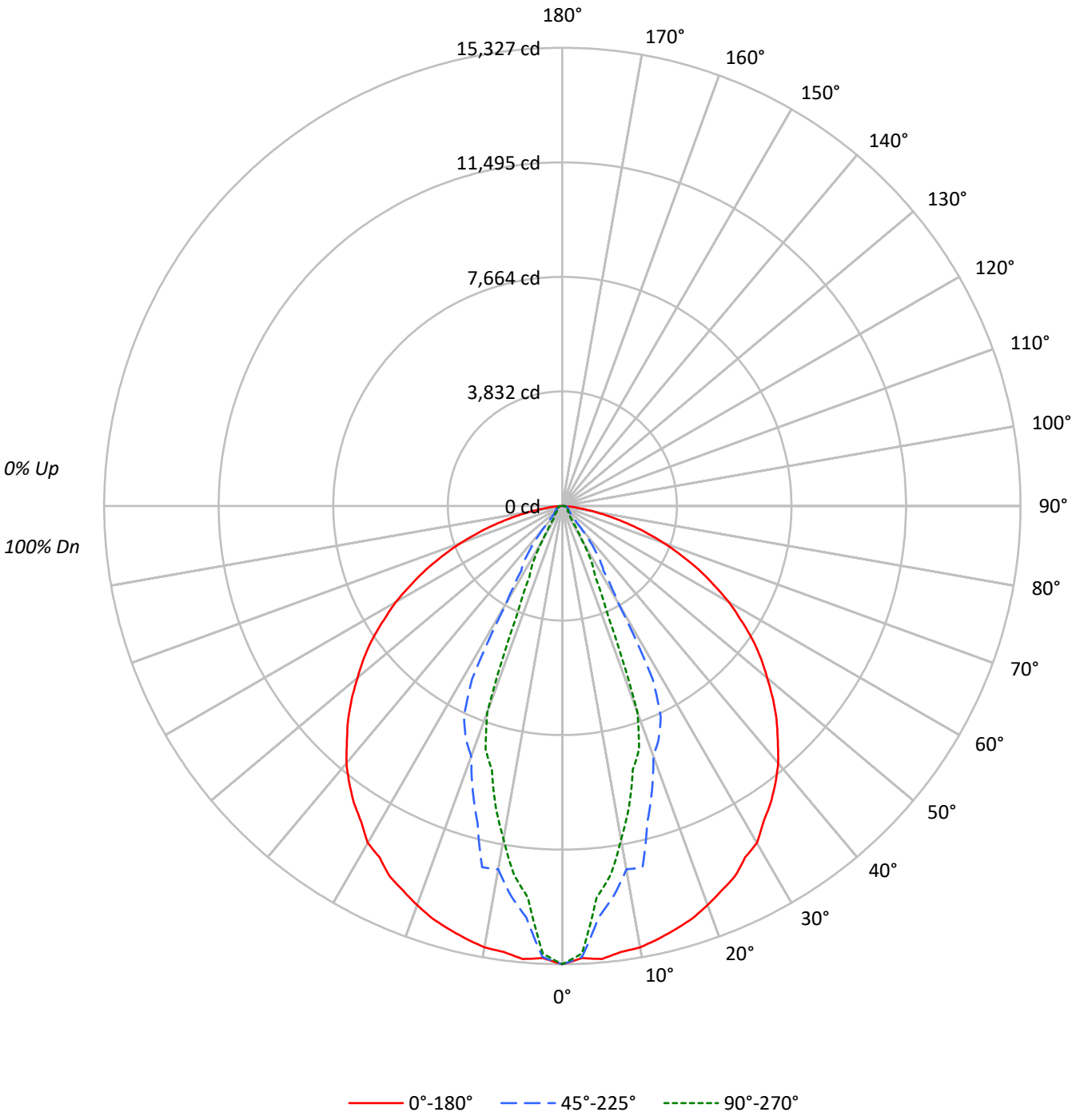
Luminous Intensity Polar Plot



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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°	22497	22497	22497
5°	22388	20216	19202
10°	22292	18122	16570
15°	22195	16300	13465
20°	22086	13493	11031
25°	22007	12131	4013
30°	21902	6046	2092
35°	21572	3660	796
40°	21304	1831	694
45°	20784	794	514
50°	20124	673	468
55°	19486	563	491
60°	18500	585	479
65°	17000	635	489
70°	14940	664	507
75°	12074	735	558
80°	8308	873	618
85°	4676	1048	774

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1309.2	8.6
10°-20°	3173.9	20.9
20°-30°	3457.5	22.7
30°-40°	2659.8	17.5
40°-50°	1965.2	12.9
50°-60°	1236.5	8.1
60°-70°	809.7	5.3
70°-80°	453.3	3.0
80°-90°	151.8	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°	7940.7	52.2
0°-40°	10600.5	69.7
0°-60°	13802.2	90.7
0°-90°	15217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15327	15327	15327	15327	15327	
5°	15211	15093	13824	13008	13157	###
15°	14655	12741	10974	9526	9120	4138
25°	13668	10213	7791	3470	2604	6283
35°	12144	7526	2166	690	478	7595
45°	10138	4009	416	350	274	7807
55°	7750	1027	247	259	222	6905
65°	5026	254	216	194	174	4957
75°	2228	191	171	154	138	2391
85°	317	121	123	118	103	404
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*15327.1*	*15327.1*	*15327.1*	*15327.1*	*15327.1*
2.5°	*15138.2*	15143.3	15105.5	15030.0	14982.1
5°	*15211.3*	15092.9	13823.8	13008.0	13156.6
7.5°	*15045.1*	14433.2	13156.6	12547.2	12428.9
10°	*14989.7*	13421.0	12343.2	12136.8	11331.0
12.5°	*14831.0*	12806.6	12381.0	11079.2	10306.2
15°	*14654.8*	12741.1	10973.5	9525.6	9120.2
17.5°	*14463.4*	12167.0	9971.3	8729.9	8536.0
20°	*14204.1*	11799.4	8908.7	8024.9	7342.5
22.5°	*13924.6*	11623.1	8427.8	5229.9	4054.0
25°	*13667.7*	10213.0	7790.7	3469.8	2603.6
27.5°	*13244.7*	10099.7	6544.3	2540.7	2147.9
30°	*13015.6*	9052.2	3744.3	1911.2	1311.9
32.5°	*12519.5*	8231.3	2563.3	1160.8	783.1
35°	*12144.3*	7526.3	2165.5	689.9	478.4
37.5°	*11703.7*	7060.5	1619.1	473.4	415.5
40°	*11235.3*	6511.6	1024.8	423.0	395.3
42.5°	*10666.3*	5864.4	606.8	397.8	339.9
45°	*10137.5*	4008.7	415.5	350.0	274.5
47.5°	*9553.3*	2734.6	355.0	297.1	236.7
50°	*8943.9*	1787.8	324.8	264.4	231.7
52.5°	*8372.4*	1465.5	282.0	264.4	231.7
55°	*7750.4*	1027.3	246.8	259.4	221.6
57.5°	*7068.0*	639.6	231.7	251.8	214.0
60°	*6438.5*	377.7	229.1	244.2	193.9
62.5°	*5703.3*	287.1	224.1	216.5	183.8
65°	*5025.9*	254.3	216.5	193.9	173.7
67.5°	*4298.2*	229.1	201.4	186.3	168.7
70°	*3600.7*	206.5	191.4	173.7	153.6
72.5°	*2900.7*	198.9	181.3	163.7	146.0
75°	*2228.4*	191.4	171.2	153.6	138.5
77.5°	*1621.6*	178.8	161.2	148.6	130.9
80°	*1052.5*	163.7	153.6	138.5	118.3
82.5°	*586.7*	148.6	141.0	128.4	113.3
85°	*317.3*	120.9	123.4	118.3	103.2
87.5°	*57.9*	85.6	105.8	103.2	90.6
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)