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-LD5-22-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-LD5-22-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:	18596.0 lumens
Efficiency:	N/A
Efficacy:	110.9 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):	167.7
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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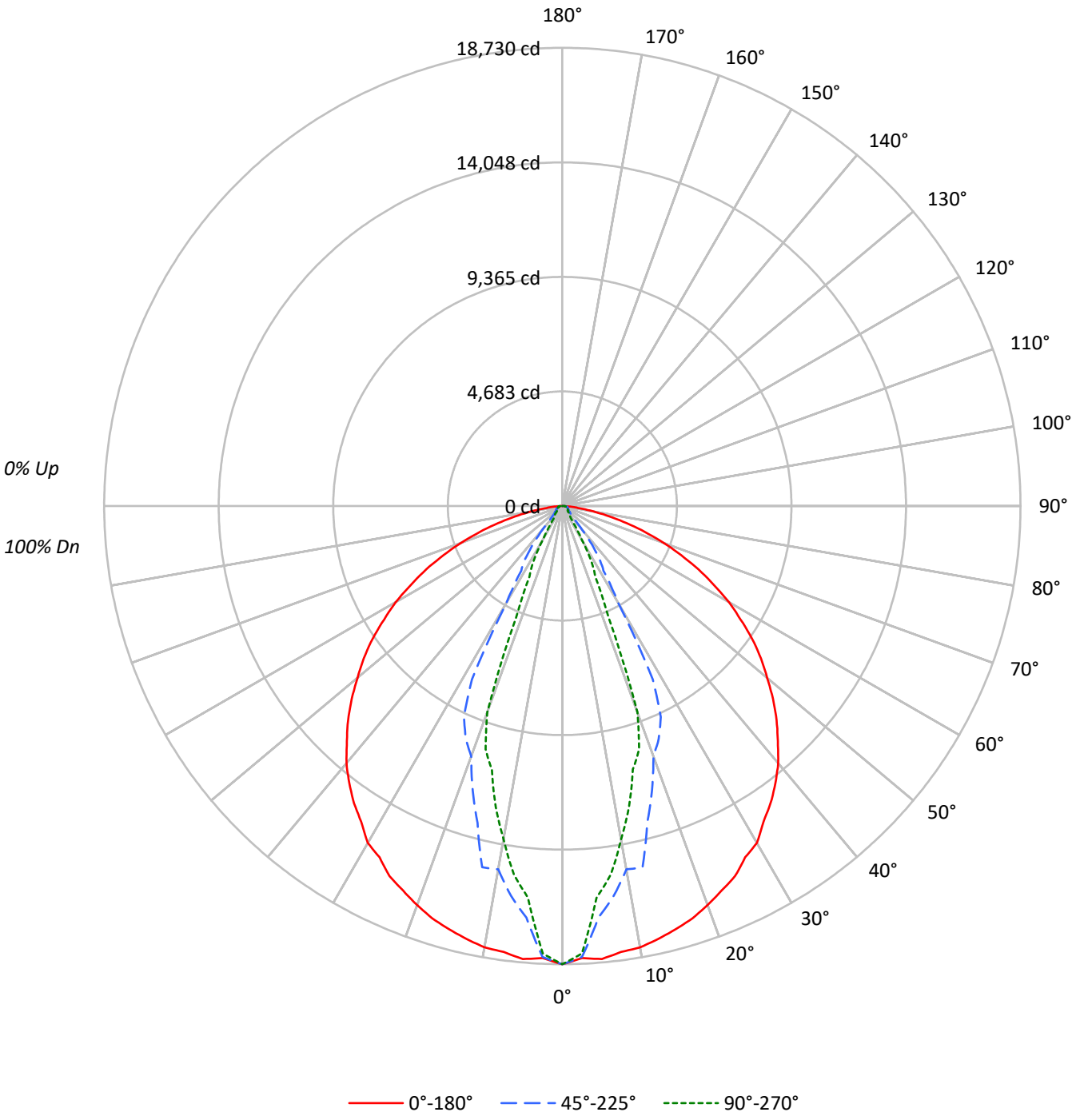
Luminous Intensity Polar Plot



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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°	27493	27493	27493
5°	27359	24705	23466
10°	27242	22146	20249
15°	27123	19919	16455
20°	26991	16489	13480
25°	26894	14825	4904
30°	26765	7388	2556
35°	26362	4473	973
40°	26035	2238	848
45°	25398	970	628
50°	24592	822	572
55°	23813	687	600
60°	22608	715	585
65°	20775	776	598
70°	18257	812	620
75°	14756	898	682
80°	10152	1067	755
85°	5713	1281	946

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1599.9	8.6
10°-20°	3878.7	20.9
20°-30°	4225.3	22.7
30°-40°	3250.4	17.5
40°-50°	2401.6	12.9
50°-60°	1511.1	8.1
60°-70°	989.5	5.3
70°-80°	554.0	3.0
80°-90°	185.5	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°	9703.9	52.2
0°-40°	12954.3	69.7
0°-60°	16867.1	90.7
0°-90°	18596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18730	18730	18730	18730	18730	
5°	18589	18444	16894	15896	16078	###
15°	17909	15570	13410	11641	11145	5057
25°	16703	12481	9521	4240	3182	7679
35°	14841	9198	2646	843	585	9281
45°	12388	4899	508	428	335	9541
55°	9471	1256	302	317	271	8438
65°	6142	311	265	237	212	6058
75°	2723	234	209	188	169	2922
85°	388	148	151	145	126	494
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*18730.5*	*18730.5*	*18730.5*	*18730.5*	*18730.5*
2.5°	*18499.7*	18505.9	18459.7	18367.4	18309.0
5°	*18589.0*	18444.4	16893.5	15896.5	16078.0
7.5°	*18385.9*	17638.1	16078.0	15333.4	15188.7
10°	*18318.2*	16401.1	15084.1	14831.8	13847.1
12.5°	*18124.3*	15650.3	15130.3	13539.4	12594.7
15°	*17908.9*	15570.3	13410.2	11640.8	11145.4
17.5°	*17675.1*	14868.7	12185.5	10668.4	10431.5
20°	*17358.1*	14419.5	10886.9	9806.8	8972.9
22.5°	*17016.6*	14204.1	10299.2	6391.2	4954.2
25°	*16702.7*	12480.9	9520.7	4240.3	3181.8
27.5°	*16185.7*	12342.4	7997.5	3104.8	2624.8
30°	*15905.7*	11062.3	4575.7	2335.5	1603.2
32.5°	*15299.5*	10059.2	3132.5	1418.6	957.0
35°	*14841.0*	9197.6	2646.3	843.1	584.7
37.5°	*14302.5*	8628.3	1978.6	578.5	507.7
40°	*13730.2*	7957.5	1252.4	517.0	483.1
42.5°	*13034.7*	7166.6	741.6	486.2	415.4
45°	*12388.5*	4898.8	507.7	427.7	335.4
47.5°	*11674.7*	3341.8	433.9	363.1	289.3
50°	*10930.0*	2184.8	397.0	323.1	283.1
52.5°	*10231.5*	1790.9	344.6	323.1	283.1
55°	*9471.4*	1255.5	301.6	316.9	270.8
57.5°	*8637.5*	781.6	283.1	307.7	261.6
60°	*7868.2*	461.6	280.0	298.5	236.9
62.5°	*6969.7*	350.8	273.9	264.6	224.6
65°	*6142.0*	310.8	264.6	236.9	212.3
67.5°	*5252.7*	280.0	246.2	227.7	206.2
70°	*4400.3*	252.3	233.9	212.3	187.7
72.5°	*3544.9*	243.1	221.6	200.0	178.5
75°	*2723.3*	233.9	209.2	187.7	169.2
77.5°	*1981.7*	218.5	196.9	181.6	160.0
80°	*1286.2*	200.0	187.7	169.2	144.6
82.5°	*717.0*	181.6	172.3	156.9	138.5
85°	*387.7*	147.7	150.8	144.6	126.2
87.5°	*70.8*	104.6	129.2	126.2	110.8
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)