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-LD5-10-W-CLWG-UNV-L835-CD1-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 (P34178)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-10-W-CLWG-UNV-L835-CD1-U
Description:	Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8566.0 lumens
Efficiency:	N/A
Efficacy:	127.9 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 1.32 / 1.39
Luminous Opening:	Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type:	Direct
Input Watts (W):	67
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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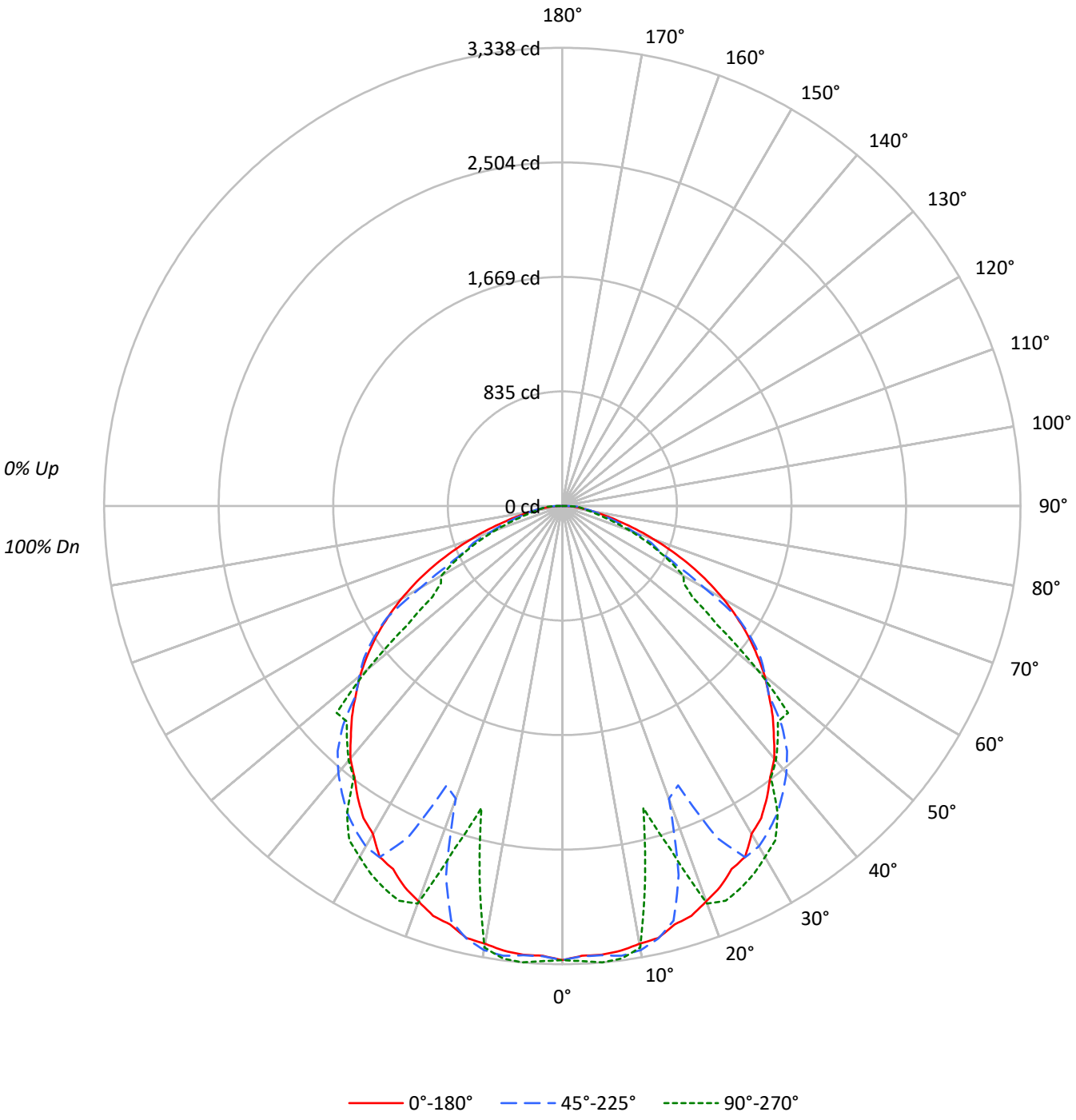
Luminous Intensity Polar Plot



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4856	4856	4856
5°	4831	4804	4872
10°	4816	4823	4776
15°	4781	4647	3362
20°	4765	3436	4631
25°	4700	4153	4735
30°	4642	4623	4708
35°	4612	4616	4553
40°	4555	4538	4250
45°	4445	4321	4155
50°	4327	3998	3755
55°	4158	3832	2557
60°	3893	3065	2515
65°	3501	2281	2167
70°	2935	1945	1720
75°	2300	1559	1266
80°	1750	1330	966
85°	1584	1132	968

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.1	3.7
10°-20°	832.4	9.7
20°-30°	1327.3	15.5
30°-40°	1593.1	18.6
40°-50°	1694.3	19.8
50°-60°	1386.1	16.2
60°-70°	878.8	10.3
70°-80°	406.0	4.7
80°-90°	133.9	1.6
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°	2473.8	28.9
0°-40°	4066.9	47.5
0°-60°	7147.3	83.4
0°-90°	8566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8566.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3308	3308	3308	3308	3308	
5°	3282	3284	3285	3311	3338	312
15°	3157	3206	3128	2465	2277	895
25°	2919	2927	2667	3045	3073	1352
35°	2597	1946	2731	2783	2735	1622
45°	2168	2178	2261	2205	2220	1670
55°	1654	1741	1681	1303	1155	1473
65°	1035	1053	778	784	770	1021
75°	424	403	363	336	314	465
85°	108	117	133	133	129	116
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3308.0	3308.0	3308.0	3308.0	*3308.0*
2.5°	3279.4	3284.8	3283.5	3308.0	*3318.8*
5°	*3282.1*	*3283.5*	*3284.8*	*3310.7*	*3337.9*
7.5°	3267.2	3295.7	3305.2	3295.7	*3324.3*
10°	3238.6	3264.4	3284.8	3256.3	*3265.8*
12.5°	3223.6	3261.7	3227.7	3087.6	*2782.9*
15°	3157.0	3205.9	3128.4	2464.6	*2276.9*
17.5°	3129.8	3162.4	2819.7	2266.1	*2621.1*
20°	3064.5	3109.4	2268.8	2913.5	*3082.2*
22.5°	3004.6	3037.3	2202.1	3064.5	*3112.1*
25°	2918.9	2927.1	2667.3	3045.4	*3072.6*
27.5°	2882.2	2759.8	2884.9	3006.0	*3021.0*
30°	2758.4	2506.8	2863.2	2951.6	*2952.9*
32.5°	2695.9	2183.1	2802.0	2872.7	*2887.7*
35°	2596.6	1946.4	2731.2	2782.9	*2735.3*
37.5°	2487.8	1912.4	2637.4	2610.2	*2494.6*
40°	2402.1	2086.5	2539.5	2370.8	*2421.1*
42.5°	2281.0	2192.6	2422.5	2312.3	*2321.8*
45°	2168.1	2177.6	2260.6	2204.9	*2219.8*
47.5°	2040.3	2102.8	2038.9	2112.4	*2230.7*
50°	1923.3	1989.9	1930.1	2051.2	*1858.0*
52.5°	1790.0	1873.0	1822.6	1649.9	*1425.5*
55°	1654.0	1741.0	1681.2	1303.1	*1154.8*
57.5°	1505.7	1577.8	1515.2	1067.7	*1048.7*
60°	1354.7	1411.9	1199.7	972.5	*1018.8*
62.5°	1195.6	1231.0	946.7	896.4	*893.6*
65°	1035.1	1052.8	778.0	783.5	*769.9*
67.5°	867.8	876.0	700.5	663.8	*643.4*
70°	707.3	701.9	560.4	540.0	*520.9*
72.5°	560.4	534.6	455.7	428.5	*405.3*
75°	424.4	402.6	363.2	336.0	*314.2*
77.5°	315.6	303.3	284.3	287.0	*240.8*
80°	221.7	223.1	234.0	198.6	*185.0*
82.5°	153.7	161.9	167.3	164.6	*160.5*
85°	107.5	117.0	133.3	133.3	*129.2*
87.5°	54.4	80.3	107.5	114.3	*111.5*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)