

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-LD5-32-W-CL-UNV-L835-CD4-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34177)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-32-W-CL-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

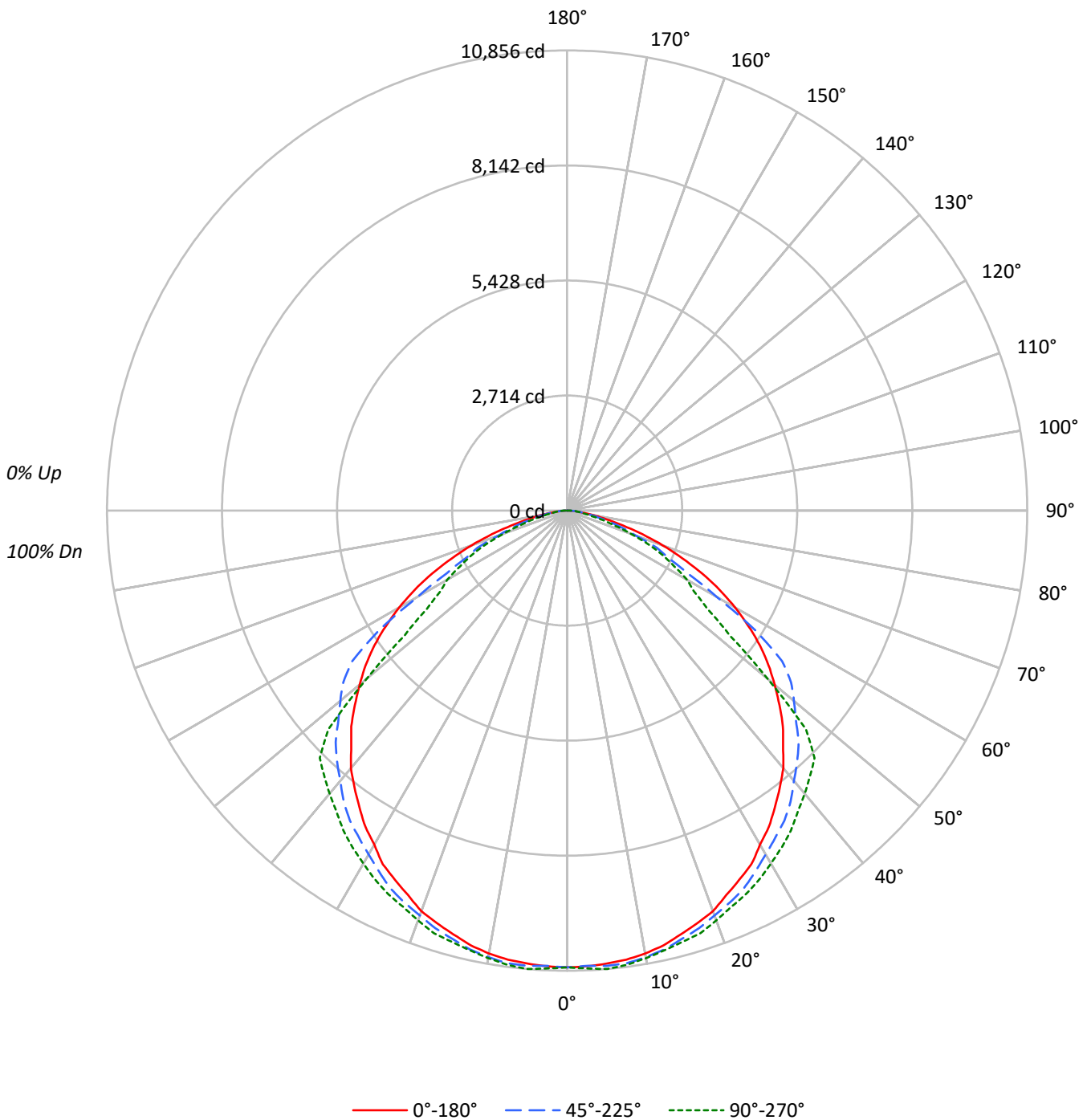
Lumens per Lamp: N/A
Luminaire Lumens: 29185.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.33 / 1.43
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 253.2
Input Voltage (V):
Input Current (A_{in}): 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					
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	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					100			
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64					62				
4	84	73	64	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	49	60	54	49	58	53	48					46				
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43					41				
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38					36				
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34					32				
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31					29				
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15818	15818	15818
5°	15790	15767	15844
10°	15779	15707	15676
15°	15677	15538	15549
20°	15638	15399	15452
25°	15473	15332	15385
30°	15314	15127	15329
35°	15176	15099	15325
40°	15043	14876	15305
45°	14763	14762	15448
50°	14375	14469	12494
55°	13956	14112	8938
60°	13151	10427	8072
65°	11889	7656	7015
70°	9977	6017	5274
75°	7394	4465	3519
80°	4814	3142	2200
85°	2521	1901	1644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.0	3.5
10°-20°	2960.8	10.1
20°-30°	4533.0	15.5
30°-40°	5579.7	19.1
40°-50°	5913.8	20.3
50°-60°	4749.5	16.3
60°-70°	2951.8	10.1
70°-80°	1214.8	4.2
80°-90°	254.5	0.9
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°	8520.8	29.2
0°-40°	14100.5	48.3
0°-60°	24763.8	84.9
0°-90°	29185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10777	10777	10777	10777	10777	
5°	10729	10755	10781	10838	10856	###
15°	10351	10496	10461	10531	10531	2925
25°	9610	9711	9847	9956	9983	4433
35°	8543	8754	8934	9158	9206	5350
45°	7201	7359	7723	8092	8254	5539
55°	5551	5796	6192	4419	4037	4940
65°	3515	3765	2611	2479	2492	3464
75°	1365	1255	1040	930	873	1496
85°	171	211	224	224	219	244
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10776.9	10776.9	10776.9	10776.9	10776.9
2.5°	10759.4	10772.5	10750.6	10798.8	10812.0
5°	10728.6	10755.0	10781.3	10838.3	10855.9
7.5°	10684.8	10741.8	10772.5	10807.6	10807.6
10°	10610.2	10697.9	10697.9	10711.1	10719.9
12.5°	10504.9	10623.3	10601.4	10610.2	10623.3
15°	10351.3	10496.1	10461.0	10531.2	10531.2
17.5°	10206.5	10329.3	10333.7	10421.5	10452.2
20°	10057.3	10158.2	10167.0	10294.2	10285.5
22.5°	9815.9	9969.5	10013.4	10083.6	10118.7
25°	9609.7	9710.6	9846.7	9956.4	9982.7
27.5°	9412.2	9495.6	9605.3	9794.0	9815.9
30°	9100.7	9276.2	9368.4	9618.5	9614.1
32.5°	8855.0	9012.9	9144.6	9385.9	9421.0
35°	8543.4	8754.0	8934.0	9157.7	9206.0
37.5°	8240.7	8433.7	8657.5	8876.9	8942.7
40°	7933.5	8109.0	8324.0	8587.3	8718.9
42.5°	7538.6	7753.6	8034.4	8337.2	8486.4
45°	7200.7	7358.7	7722.9	8091.5	8253.8
47.5°	6792.6	6998.8	7319.2	7788.7	7639.5
50°	6388.9	6625.9	6985.7	7055.9	6182.7
52.5°	5989.6	6226.6	6661.0	5581.5	4835.6
55°	5550.8	5796.5	6191.5	4418.7	4037.0
57.5°	5072.5	5305.1	5270.0	3668.4	3536.7
60°	4576.7	4804.9	4080.8	3212.0	3269.1
62.5°	4063.3	4309.0	3203.2	2935.6	2847.8
65°	3514.8	3764.9	2610.9	2479.2	2492.4
67.5°	2944.3	3155.0	2290.5	2115.0	2071.1
70°	2404.6	2466.1	1733.3	1685.0	1597.2
72.5°	1864.9	1785.9	1377.8	1272.5	1180.4
75°	1364.7	1255.0	1040.0	930.3	873.2
77.5°	947.8	868.8	750.3	789.8	583.6
80°	609.9	566.1	552.9	438.8	421.2
82.5°	359.8	355.4	342.3	315.9	307.2
85°	171.1	210.6	223.8	223.8	219.4
87.5°	61.4	105.3	140.4	149.2	158.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)