

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-W-WG-UNV-L835-CD2-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 (P34174)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-14-W-WG-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

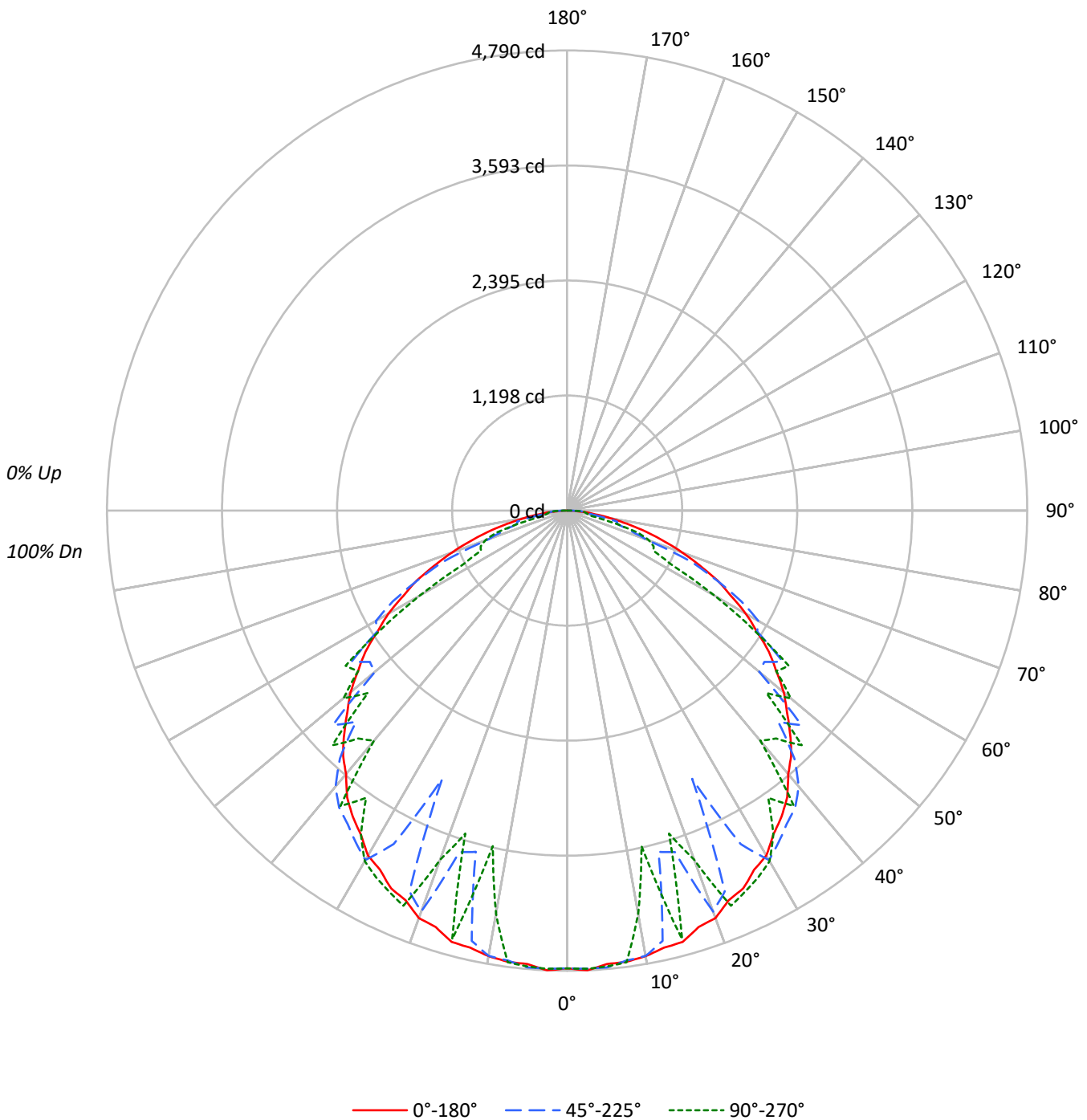
Lumens per Lamp: N/A
Luminaire Lumens: 13102.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 100.8
Input Voltage (V):
Input Current (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6994	6994	6994
5°	6974	6979	6951
10°	7004	6912	6233
15°	7040	5463	6821
20°	7017	6728	5812
25°	6986	4796	6749
30°	6976	6784	6720
35°	6910	6732	6075
40°	6789	6703	5487
45°	6729	5942	6465
50°	6624	5406	6142
55°	6451	6240	6235
60°	6176	5873	4387
65°	5855	5020	2786
70°	5279	3005	2996
75°	4596	2321	2056
80°	3634	1932	1187
85°	2759	1509	1375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.4	3.4
10°-20°	1205.1	9.2
20°-30°	1868.7	14.3
30°-40°	2395.7	18.3
40°-50°	2453.4	18.7
50°-60°	2326.5	17.8
60°-70°	1490.1	11.4
70°-80°	724.1	5.5
80°-90°	187.0	1.4
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°	3525.1	26.9
0°-40°	5920.9	45.2
0°-60°	10700.7	81.7
0°-90°	13102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4765	4765	4765	4765	4765	
5°	4738	4752	4772	4784	4763	452
15°	4648	4648	3678	4325	4620	1305
25°	4339	3748	3080	4406	4379	1994
35°	3890	3915	3983	3880	3649	2430
45°	3282	3288	3108	3129	3454	2530
55°	2566	2646	2738	2640	2816	2280
65°	1731	1691	1712	1112	990	1696
75°	848	948	541	655	510	897
85°	187	164	178	187	183	212
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4764.9	4764.9	4764.9	4764.9	4764.9
2.5°	4789.7	4793.5	4772.5	4764.9	4774.4
5°	4738.1	4751.5	4772.5	4784.0	4762.9
7.5°	4736.2	4741.9	4724.7	4787.8	4741.9
10°	4709.4	4741.9	4707.5	4541.3	4262.4
12.5°	4659.8	4665.5	4587.2	3305.2	3576.5
15°	4648.3	4648.3	3677.8	4325.4	4619.7
17.5°	4545.1	4570.0	3727.4	4543.2	3524.9
20°	4512.7	4497.4	4442.0	3217.3	3868.8
22.5°	4390.4	4285.3	4289.1	4470.6	4453.4
25°	4338.8	3748.5	3079.8	4405.7	4378.9
27.5°	4216.5	3142.8	3912.8	4310.1	4304.4
30°	4145.8	3268.9	4201.2	4231.8	4214.6
32.5°	3996.8	3752.3	4096.2	4161.1	3994.9
35°	3889.8	3914.7	3983.4	3880.3	3649.1
37.5°	3761.8	3591.8	3897.5	3538.3	3878.4
40°	3580.3	2798.9	3750.4	3796.2	3125.6
42.5°	3452.3	2739.7	3502.0	2946.0	3219.2
45°	3282.3	3288.0	3108.4	3129.4	3454.2
47.5°	3104.6	3177.2	3307.1	3324.3	2812.3
50°	2944.1	3014.8	2609.8	2818.0	3039.6
52.5°	2743.5	2842.9	2588.8	2909.7	2743.5
55°	2565.8	2646.1	2737.8	2640.3	2816.1
57.5°	2338.5	2466.5	2344.2	2592.6	2288.8
60°	2149.3	2147.4	2298.4	2309.8	1776.8
62.5°	1922.0	1906.7	2044.3	1549.4	1230.4
65°	1730.9	1690.8	1711.8	1111.9	989.7
67.5°	1492.1	1324.0	1410.0	928.5	974.4
70°	1272.4	1264.8	865.5	643.8	907.5
72.5°	1054.6	1148.2	682.1	804.3	785.2
75°	848.3	947.6	540.7	655.3	510.1
77.5°	636.2	687.8	533.0	401.2	248.4
80°	460.4	324.8	340.1	227.4	227.4
82.5°	298.0	267.5	198.7	212.1	200.6
85°	187.2	164.3	177.7	187.2	183.4
87.5°	65.0	112.7	141.4	137.6	126.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)