

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-WG-UNV-L835-CD1-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-LD5-10-W-WG-UNV-L835-CD1-U
Description: Metalux 8' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

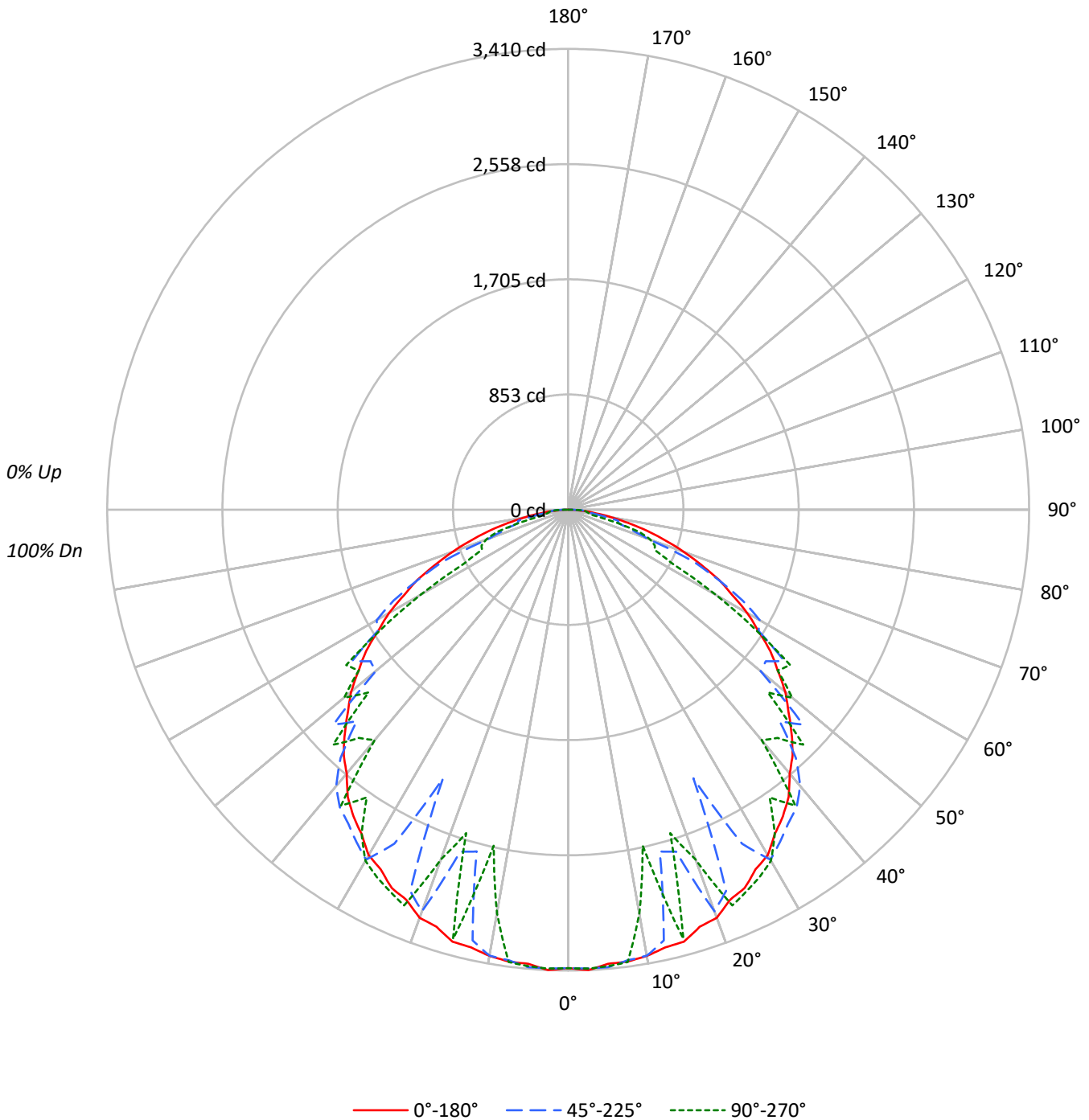
Lumens per Lamp: N/A
Luminaire Lumens: 9327.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	
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°	4979	4979	4979
5°	4964	4968	4949
10°	4986	4920	4437
15°	5012	3889	4855
20°	4995	4789	4138
25°	4973	3414	4804
30°	4966	4829	4784
35°	4919	4793	4324
40°	4833	4771	3906
45°	4790	4230	4602
50°	4716	3848	4373
55°	4592	4442	4439
60°	4397	4180	3123
65°	4168	3573	1983
70°	3758	2139	2133
75°	3272	1653	1463
80°	2587	1376	845
85°	1964	1074	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.3	3.4
10°-20°	857.9	9.2
20°-30°	1330.3	14.3
30°-40°	1705.4	18.3
40°-50°	1746.6	18.7
50°-60°	1656.2	17.8
60°-70°	1060.8	11.4
70°-80°	515.5	5.5
80°-90°	133.1	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°	2509.5	26.9
0°-40°	4214.9	45.2
0°-60°	7617.6	81.7
0°-90°	9327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3392	3392	3392	3392	3392	
5°	3373	3382	3397	3406	3391	322
15°	3309	3309	2618	3079	3289	929
25°	3089	2668	2192	3136	3117	1420
35°	2769	2787	2836	2762	2598	1730
45°	2337	2341	2213	2228	2459	1801
55°	1827	1884	1949	1880	2005	1623
65°	1232	1204	1219	792	704	1207
75°	604	675	385	466	363	639
85°	133	117	126	133	131	151
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3392.0	3392.0	3392.0	3392.0	3392.0
2.5°	3409.7	3412.4	3397.4	3392.0	3398.8
5°	3372.9	3382.5	3397.4	3405.6	3390.6
7.5°	3371.6	3375.7	3363.4	3408.3	3375.7
10°	3352.5	3375.7	3351.2	3232.9	3034.3
12.5°	3317.2	3321.3	3265.5	2352.9	2546.0
15°	3309.0	3309.0	2618.1	3079.2	3288.6
17.5°	3235.6	3253.3	2653.5	3234.2	2509.3
20°	3212.5	3201.6	3162.1	2290.3	2754.1
22.5°	3125.4	3050.6	3053.3	3182.5	3170.3
25°	3088.7	2668.4	2192.4	3136.3	3117.3
27.5°	3001.6	2237.3	2785.4	3068.3	3064.2
30°	2951.3	2327.1	2990.8	3012.5	3000.3
32.5°	2845.2	2671.2	2916.0	2962.2	2843.9
35°	2769.1	2786.8	2835.7	2762.3	2597.7
37.5°	2678.0	2556.9	2774.5	2518.8	2760.9
40°	2548.7	1992.5	2669.8	2702.4	2225.1
42.5°	2457.6	1950.3	2493.0	2097.2	2291.7
45°	2336.6	2340.7	2212.8	2227.8	2459.0
47.5°	2210.1	2261.8	2354.3	2366.5	2002.0
50°	2095.8	2146.2	1857.8	2006.1	2163.9
52.5°	1953.0	2023.8	1842.9	2071.4	1953.0
55°	1826.6	1883.7	1949.0	1879.6	2004.7
57.5°	1664.7	1755.8	1668.8	1845.6	1629.3
60°	1530.1	1528.7	1636.1	1644.3	1264.9
62.5°	1368.2	1357.3	1455.3	1103.0	875.9
65°	1232.2	1203.7	1218.6	791.6	704.5
67.5°	1062.2	942.5	1003.7	661.0	693.6
70°	905.8	900.4	616.1	458.3	646.0
72.5°	750.8	817.4	485.5	572.6	559.0
75°	603.9	674.6	384.9	466.5	363.1
77.5°	452.9	489.6	379.5	285.6	176.8
80°	327.8	231.2	242.1	161.8	161.8
82.5°	212.2	190.4	141.4	151.0	142.8
85°	133.3	117.0	126.5	133.3	130.6
87.5°	46.2	80.2	100.6	97.9	89.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)