

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-CL-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 (P34177)
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-CL-UNV-L835-CD1-U
Description: Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME DISTRIBUTION

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

Summary

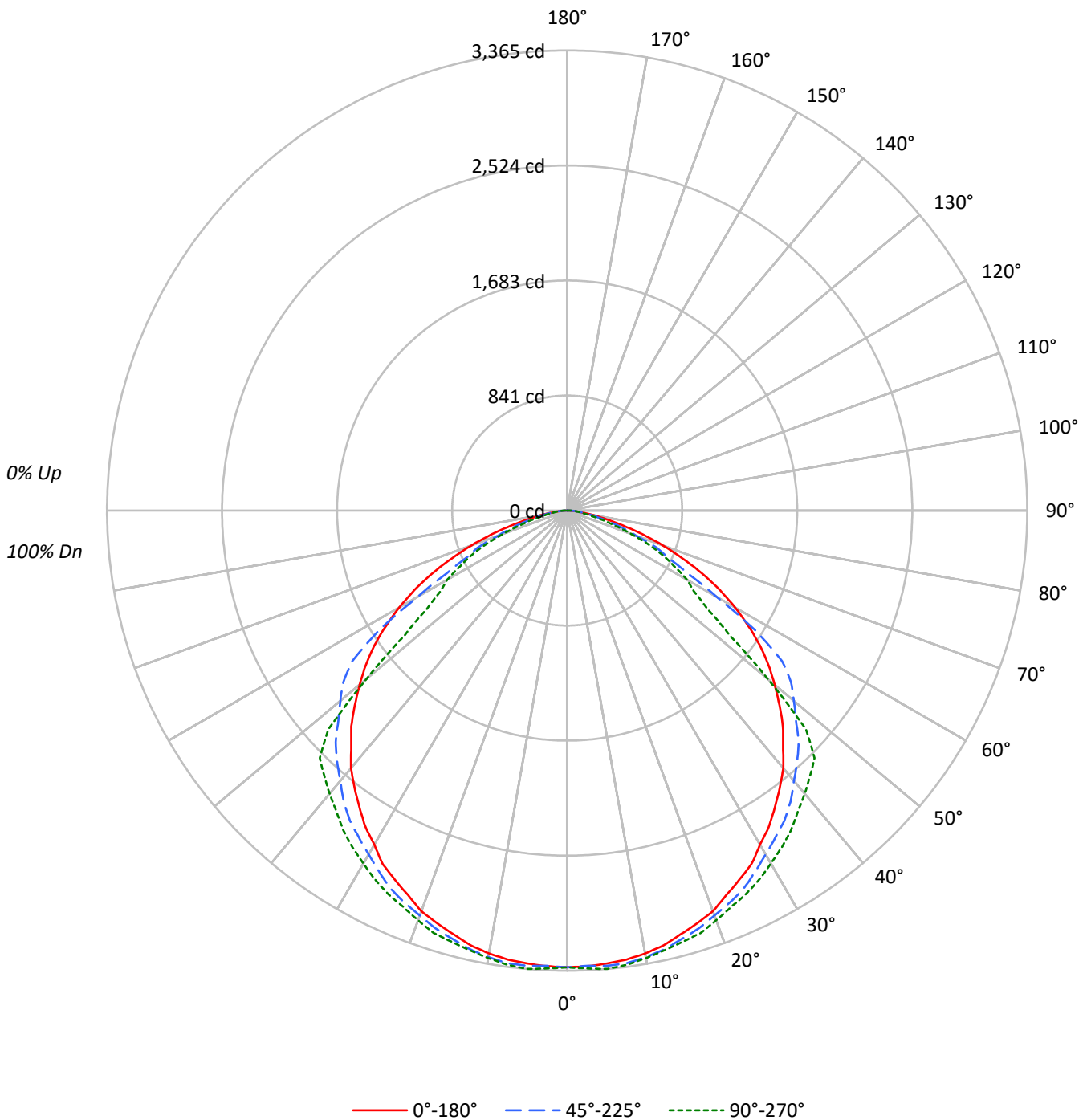
Lumens per Lamp: N/A
Luminaire Lumens: 9046.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.33 / 1.43
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 67
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	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°	4903	4903	4903
5°	4894	4887	4911
10°	4891	4868	4859
15°	4859	4816	4819
20°	4847	4773	4790
25°	4796	4752	4769
30°	4747	4689	4751
35°	4704	4680	4750
40°	4663	4611	4744
45°	4576	4575	4788
50°	4456	4485	3872
55°	4326	4374	2770
60°	4076	3232	2502
65°	3685	2373	2174
70°	3092	1865	1635
75°	2292	1384	1091
80°	1493	974	682
85°	781	589	510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.3	3.5
10°-20°	917.7	10.1
20°-30°	1405.0	15.5
30°-40°	1729.5	19.1
40°-50°	1833.0	20.3
50°-60°	1472.1	16.3
60°-70°	914.9	10.1
70°-80°	376.5	4.2
80°-90°	78.9	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°	2641.1	29.2
0°-40°	4370.5	48.3
0°-60°	7675.6	84.9
0°-90°	9046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3340	3340	3340	3340	3340	
5°	3325	3334	3342	3359	3365	316
15°	3208	3253	3242	3264	3264	907
25°	2979	3010	3052	3086	3094	1374
35°	2648	2713	2769	2838	2853	1658
45°	2232	2281	2394	2508	2558	1717
55°	1720	1797	1919	1370	1251	1531
65°	1089	1167	809	768	772	1074
75°	423	389	322	288	271	464
85°	53	65	69	69	68	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3340.3	3340.3	3340.3	3340.3	3340.3
2.5°	3334.9	3339.0	3332.2	3347.1	3351.2
5°	3325.4	3333.5	3341.7	3359.4	3364.8
7.5°	3311.8	3329.5	3339.0	3349.9	3349.9
10°	3288.7	3315.9	3315.9	3319.9	3322.7
12.5°	3256.0	3292.7	3285.9	3288.7	3292.7
15°	3208.4	3253.3	3242.4	3264.2	3264.2
17.5°	3163.5	3201.6	3203.0	3230.2	3239.7
20°	3117.3	3148.6	3151.3	3190.7	3188.0
22.5°	3042.5	3090.1	3103.7	3125.5	3136.3
25°	2978.6	3009.8	3052.0	3086.0	3094.2
27.5°	2917.4	2943.2	2977.2	3035.7	3042.5
30°	2820.8	2875.2	2903.8	2981.3	2979.9
32.5°	2744.6	2793.6	2834.4	2909.2	2920.1
35°	2648.1	2713.3	2769.1	2838.5	2853.4
37.5°	2554.2	2614.1	2683.4	2751.4	2771.8
40°	2459.0	2513.4	2580.1	2661.7	2702.5
42.5°	2336.6	2403.3	2490.3	2584.1	2630.4
45°	2231.9	2280.8	2393.7	2508.0	2558.3
47.5°	2105.4	2169.3	2268.6	2414.1	2367.9
50°	1980.3	2053.7	2165.2	2187.0	1916.3
52.5°	1856.5	1929.9	2064.6	1730.0	1498.8
55°	1720.5	1796.7	1919.1	1369.6	1251.3
57.5°	1572.2	1644.3	1633.4	1137.0	1096.2
60°	1418.6	1489.3	1264.9	995.6	1013.3
62.5°	1259.4	1335.6	992.9	909.9	882.7
65°	1089.4	1166.9	809.2	768.4	772.5
67.5°	912.6	977.9	710.0	655.6	642.0
70°	745.3	764.4	537.2	522.3	495.1
72.5°	578.0	553.6	427.1	394.4	365.9
75°	423.0	389.0	322.3	288.3	270.7
77.5°	293.8	269.3	232.6	244.8	180.9
80°	189.1	175.4	171.4	136.0	130.6
82.5°	111.5	110.2	106.1	97.9	95.2
85°	53.0	65.3	69.4	69.4	68.0
87.5°	19.0	32.6	43.5	46.2	49.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)