

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: **4ILED-LD5-9-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: 4ILED-LD5-9-W-CL-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH CLEAR ACRYLIC LENS & FRAME DISTRIBUTION

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

Summary

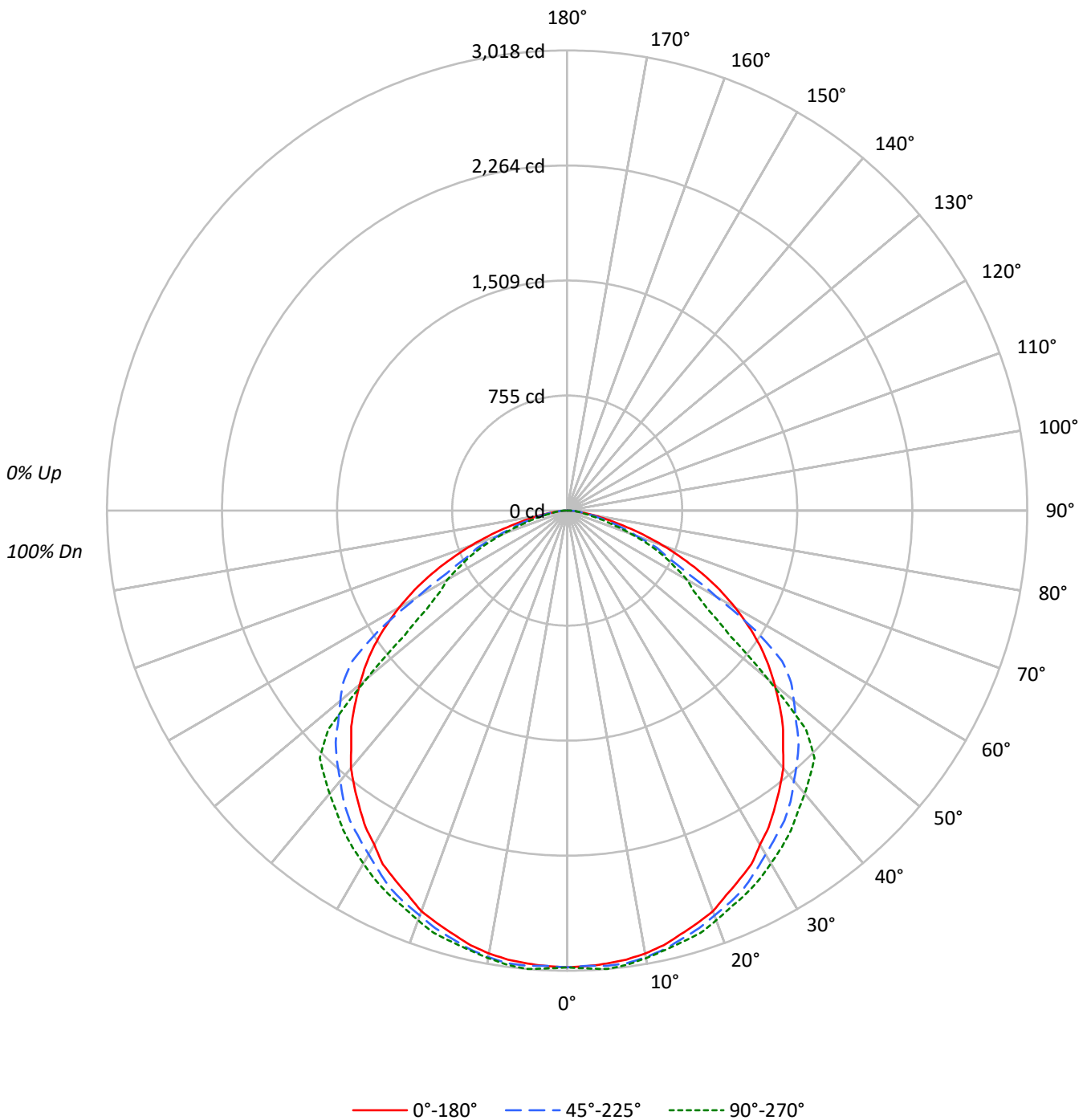
Lumens per Lamp: N/A
Luminaire Lumens: 8113.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.33 / 1.43
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 65.7
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	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°	8795	8795	8795
5°	8769	8759	8809
10°	8754	8719	8715
15°	8687	8619	8644
20°	8655	8535	8591
25°	8553	8491	8553
30°	8454	8370	8523
35°	8365	8346	8520
40°	8278	8214	8509
45°	8108	8141	8588
50°	7876	7968	6946
55°	7625	7758	4969
60°	7159	5721	4487
65°	6442	4190	3900
70°	5368	3281	2932
75°	3936	2422	1956
80°	2511	1690	1223
85°	1247	1005	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.5	3.5
10°-20°	823.1	10.1
20°-30°	1260.1	15.5
30°-40°	1551.1	19.1
40°-50°	1643.9	20.3
50°-60°	1320.3	16.3
60°-70°	820.6	10.1
70°-80°	337.7	4.2
80°-90°	70.8	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°	2368.7	29.2
0°-40°	3919.7	48.3
0°-60°	6884.0	84.9
0°-90°	8113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2996	2996	2996	2996	2996	
5°	2982	2990	2997	3013	3018	284
15°	2878	2918	2908	2928	2928	813
25°	2671	2699	2737	2768	2775	1232
35°	2375	2434	2484	2546	2559	1487
45°	2002	2046	2147	2249	2294	1540
55°	1543	1611	1721	1228	1122	1373
65°	977	1047	726	689	693	963
75°	379	349	289	259	243	416
85°	48	59	62	62	61	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2995.8	2995.8	2995.8	2995.8	2995.8
2.5°	2990.9	2994.6	2988.5	3001.9	3005.6
5°	2982.4	2989.7	2997.0	3012.9	3017.8
7.5°	2970.2	2986.1	2994.6	3004.4	3004.4
10°	2949.5	2973.9	2973.9	2977.5	2980.0
12.5°	2920.2	2953.1	2947.0	2949.5	2953.1
15°	2877.5	2917.8	2908.0	2927.5	2927.5
17.5°	2837.2	2871.4	2872.6	2897.0	2905.6
20°	2795.8	2823.8	2826.3	2861.6	2859.2
22.5°	2728.7	2771.4	2783.6	2803.1	2812.9
25°	2671.4	2699.4	2737.2	2767.7	2775.0
27.5°	2616.5	2639.6	2670.1	2722.6	2728.7
30°	2529.9	2578.7	2604.3	2673.8	2672.6
32.5°	2461.6	2505.5	2542.1	2609.1	2618.9
35°	2374.9	2433.5	2483.5	2545.7	2559.1
37.5°	2290.8	2344.5	2406.7	2467.6	2485.9
40°	2205.4	2254.2	2314.0	2387.1	2423.7
42.5°	2095.6	2155.4	2233.4	2317.6	2359.1
45°	2001.7	2045.6	2146.8	2249.3	2294.4
47.5°	1888.2	1945.6	2034.6	2165.1	2123.7
50°	1776.0	1841.9	1941.9	1961.4	1718.7
52.5°	1665.0	1730.9	1851.7	1551.6	1344.2
55°	1543.0	1611.4	1721.1	1228.3	1122.2
57.5°	1410.1	1474.7	1465.0	1019.8	983.2
60°	1272.2	1335.7	1134.4	892.9	908.7
62.5°	1129.5	1197.8	890.5	816.0	791.6
65°	977.1	1046.6	725.8	689.2	692.8
67.5°	818.5	877.0	636.7	587.9	575.7
70°	668.4	685.5	481.8	468.4	444.0
72.5°	518.4	496.5	383.0	353.7	328.1
75°	379.4	348.9	289.1	258.6	242.7
77.5°	263.5	241.5	208.6	219.6	162.2
80°	169.6	157.4	153.7	122.0	117.1
82.5°	100.0	98.8	95.1	87.8	85.4
85°	47.6	58.6	62.2	62.2	61.0
87.5°	17.1	29.3	39.0	41.5	43.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)