

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-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 (P34173)
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-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

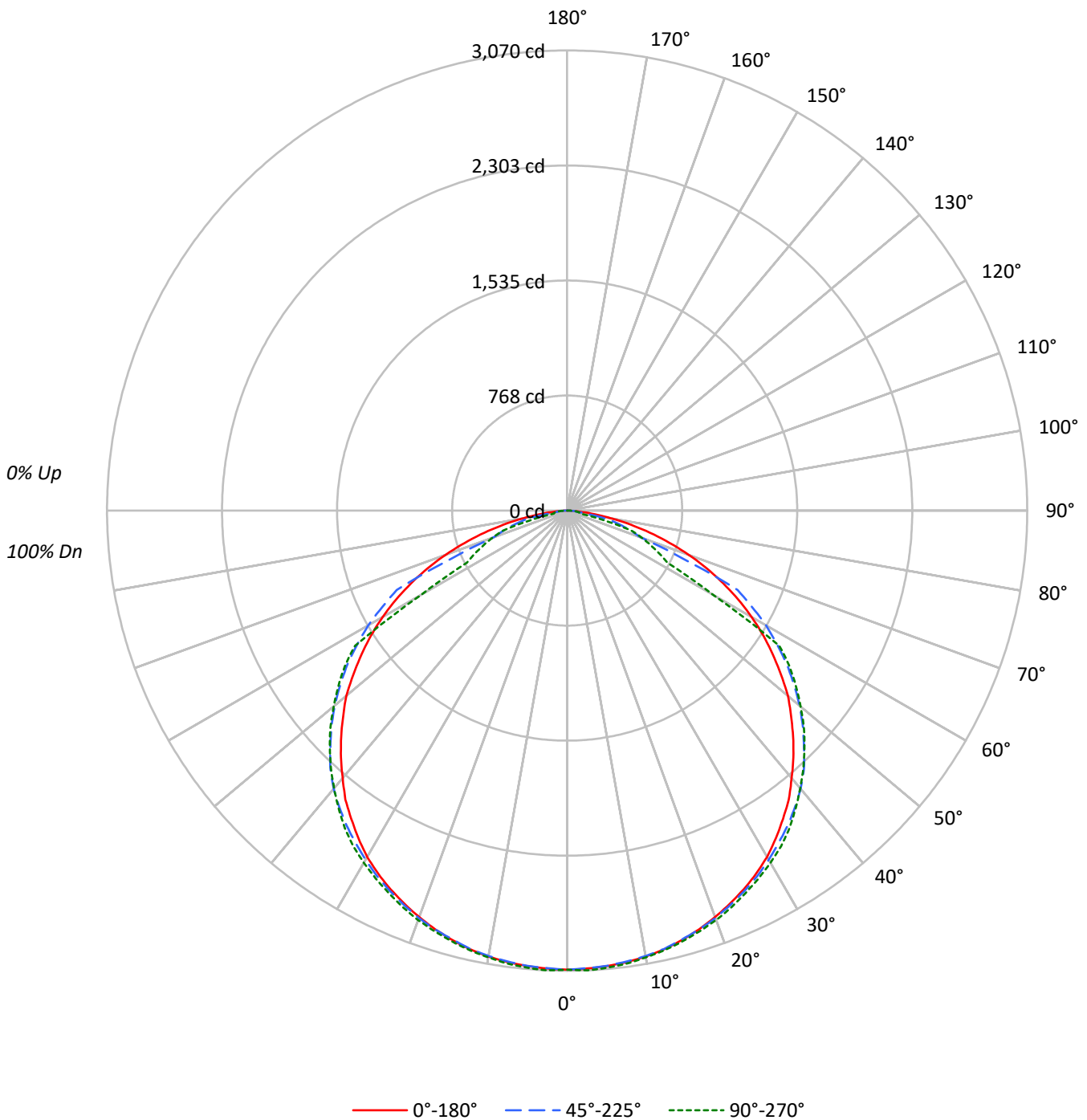
Lumens per Lamp: N/A
Luminaire Lumens: 8839.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8992	8992	8992
5°	8971	8909	8937
10°	8967	8848	8855
15°	8952	8778	8785
20°	8935	8734	8734
25°	8924	8684	8678
30°	8914	8644	8651
35°	8842	8621	8610
40°	8745	8604	8492
45°	8636	8474	8383
50°	8531	8309	8218
55°	8276	8067	8016
60°	8004	7726	5566
65°	7576	7246	3818
70°	6926	3530	3496
75°	5923	3065	2183
80°	4389	1811	892
85°	2172	907	823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	3.3
10°-20°	838.9	9.5
20°-30°	1293.5	14.6
30°-40°	1601.7	18.1
40°-50°	1705.0	19.3
50°-60°	1573.3	17.8
60°-70°	1007.4	11.4
70°-80°	453.7	5.1
80°-90°	74.9	0.8
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°	2423.0	27.4
0°-40°	4024.6	45.5
0°-60°	7303.0	82.6
0°-90°	8839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3063	3063	3063	3063	3063	
5°	3051	3056	3048	3057	3062	290
15°	2965	2970	2962	2976	2975	837
25°	2787	2795	2800	2818	2815	1285
35°	2510	2536	2565	2592	2586	1571
45°	2132	2176	2235	2249	2240	1645
55°	1675	1736	1790	1819	1810	1498
65°	1149	1204	1255	693	678	1135
75°	571	621	366	376	271	607
85°	83	62	56	60	55	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3063.0	3063.0	3063.0	3063.0	3063.0
2.5°	3058.1	3064.2	3055.6	3064.2	3070.3
5°	3050.8	3055.6	3048.3	3056.9	3061.7
7.5°	3038.6	3043.4	3034.9	3043.4	3048.3
10°	3021.5	3023.9	3017.8	3026.4	3027.6
12.5°	2997.1	2999.5	2994.6	3003.2	3004.4
15°	2965.4	2970.3	2961.7	2976.4	2975.1
17.5°	2928.8	2933.7	2930.0	2941.0	2942.2
20°	2886.1	2891.0	2892.2	2905.6	2906.8
22.5°	2838.5	2845.8	2847.1	2865.3	2864.1
25°	2787.3	2794.6	2799.5	2817.8	2815.3
27.5°	2731.2	2740.9	2748.2	2766.5	2766.5
30°	2667.7	2681.2	2689.7	2714.1	2712.9
32.5°	2592.1	2617.7	2627.5	2658.0	2655.5
35°	2510.4	2536.0	2565.3	2592.1	2586.0
37.5°	2429.9	2455.5	2495.7	2511.6	2504.3
40°	2329.8	2372.5	2423.8	2429.9	2418.9
42.5°	2234.7	2268.9	2338.4	2342.0	2332.3
45°	2132.2	2176.2	2234.7	2249.3	2239.6
47.5°	2026.1	2063.9	2132.2	2150.5	2143.2
50°	1923.7	1957.8	2024.9	2043.2	2033.4
52.5°	1798.0	1849.2	1906.6	1935.8	1924.9
55°	1674.8	1735.8	1789.5	1818.7	1810.2
57.5°	1551.6	1618.7	1659.0	1699.2	1678.5
60°	1422.3	1488.2	1532.1	1513.8	1127.1
62.5°	1288.1	1351.6	1388.2	930.7	755.1
65°	1149.1	1204.0	1255.2	692.9	678.2
67.5°	1007.6	1062.5	835.6	616.0	602.6
70°	862.4	913.6	518.4	536.7	529.4
72.5°	716.0	764.8	445.2	466.0	456.2
75°	570.9	620.9	365.9	375.7	270.8
77.5°	435.5	428.2	295.2	207.4	92.7
80°	296.4	197.6	164.7	86.6	85.4
82.5°	184.2	133.0	69.5	76.8	75.6
85°	82.9	62.2	56.1	59.8	54.9
87.5°	29.3	30.5	34.2	31.7	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)