

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-LD5-22-W-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 (P34173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-22-W-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

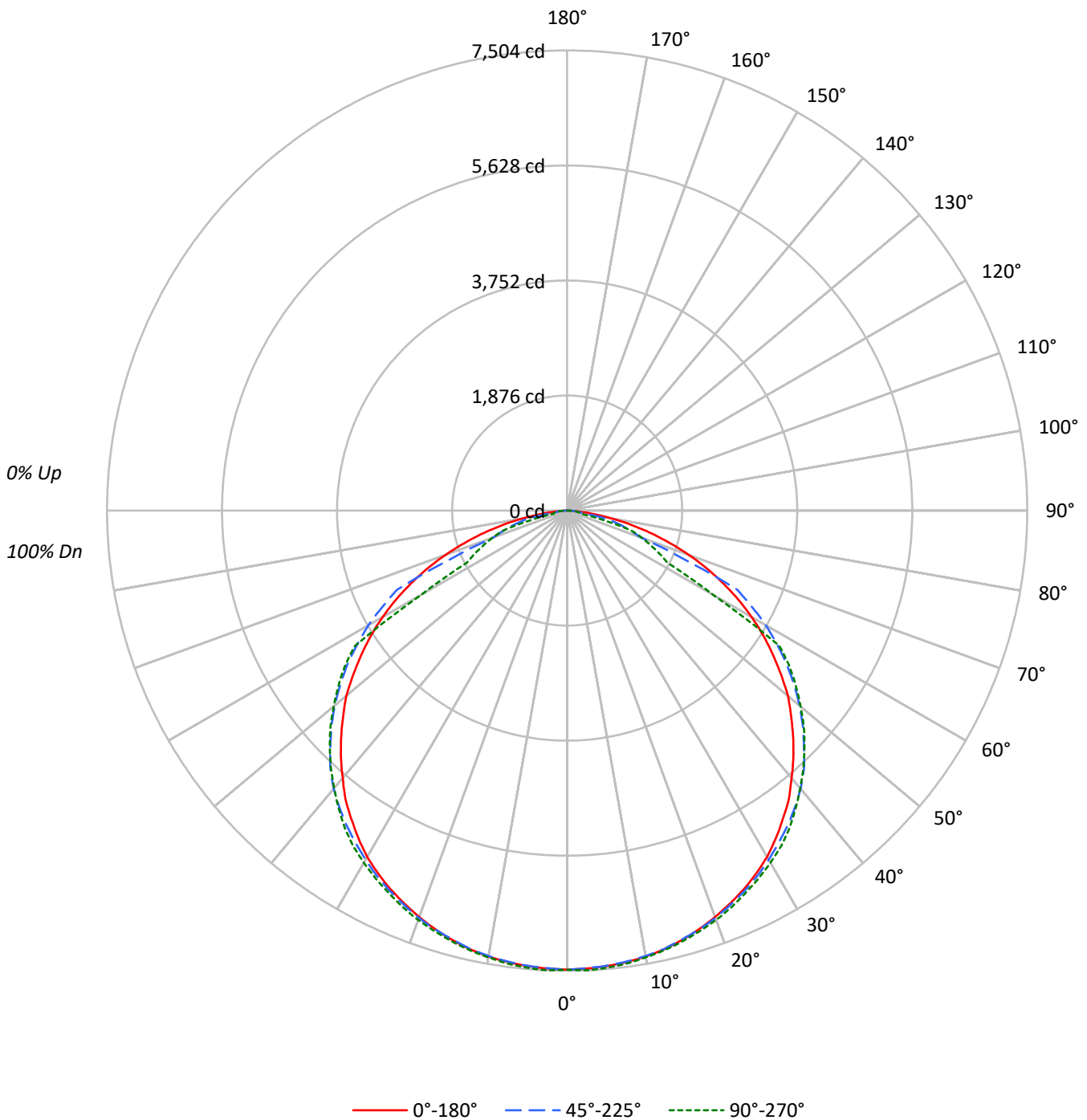
Lumens per Lamp: N/A
Luminaire Lumens: 21604.0 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 167.7
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°	10989	10989	10989
5°	10975	10896	10922
10°	10983	10830	10821
15°	10977	10752	10736
20°	10969	10707	10674
25°	10969	10654	10605
30°	10972	10615	10572
35°	10899	10597	10522
40°	10798	10587	10378
45°	10685	10440	10245
50°	10579	10251	10043
55°	10292	9969	9796
60°	9989	9568	6802
65°	9500	8996	4666
70°	8746	4399	4272
75°	7560	3840	2668
80°	5719	2287	1090
85°	2987	1165	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.2	3.3
10°-20°	2050.4	9.5
20°-30°	3161.5	14.6
30°-40°	3914.8	18.1
40°-50°	4167.4	19.3
50°-60°	3845.5	17.8
60°-70°	2462.1	11.4
70°-80°	1109.0	5.1
80°-90°	183.1	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°	5922.1	27.4
0°-40°	9836.9	45.5
0°-60°	17849.7	82.6
0°-90°	21604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7486	7486	7486	7486	7486	
5°	7457	7468	7451	7472	7483	710
15°	7248	7260	7239	7275	7272	2047
25°	6813	6830	6842	6887	6881	3142
35°	6136	6198	6270	6336	6321	3841
45°	5212	5319	5462	5498	5474	4021
55°	4094	4243	4374	4445	4424	3661
65°	2808	2943	3068	1694	1658	2774
75°	1395	1518	894	918	662	1483
85°	203	152	137	146	134	295
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7486.4	7486.4	7486.4	7486.4	7486.4
2.5°	7474.5	7489.4	7468.5	7489.4	7504.3
5°	7456.6	7468.5	7450.6	7471.5	7483.4
7.5°	7426.8	7438.7	7417.8	7438.7	7450.6
10°	7385.0	7391.0	7376.1	7396.9	7399.9
12.5°	7325.4	7331.4	7319.4	7340.3	7343.3
15°	7247.9	7259.8	7238.9	7274.7	7271.7
17.5°	7158.4	7170.4	7161.4	7188.2	7191.2
20°	7054.1	7066.0	7069.0	7101.8	7104.8
22.5°	6937.8	6955.7	6958.7	7003.4	7000.4
25°	6812.6	6830.5	6842.4	6887.1	6881.2
27.5°	6675.4	6699.3	6717.2	6761.9	6761.9
30°	6520.4	6553.2	6574.1	6633.7	6630.7
32.5°	6335.6	6398.2	6422.0	6496.5	6490.6
35°	6135.8	6198.4	6270.0	6335.6	6320.6
37.5°	5939.0	6001.6	6100.0	6138.8	6120.9
40°	5694.5	5798.9	5924.1	5939.0	5912.2
42.5°	5462.0	5545.5	5715.4	5724.4	5700.5
45°	5211.6	5318.9	5462.0	5497.8	5473.9
47.5°	4952.2	5044.6	5211.6	5256.3	5238.4
50°	4701.7	4785.2	4949.2	4993.9	4970.1
52.5°	4394.6	4519.9	4660.0	4731.5	4704.7
55°	4093.5	4242.6	4373.8	4445.3	4424.5
57.5°	3792.4	3956.4	4054.8	4153.1	4102.5
60°	3476.4	3637.4	3744.7	3700.0	2754.8
62.5°	3148.4	3303.4	3392.9	2274.8	1845.5
65°	2808.5	2942.7	3067.9	1693.5	1657.7
67.5°	2462.7	2596.8	2042.3	1505.6	1472.8
70°	2107.9	2233.1	1267.1	1311.8	1293.9
72.5°	1750.1	1869.4	1088.2	1138.9	1115.1
75°	1395.3	1517.6	894.4	918.3	661.9
77.5°	1064.4	1046.5	721.5	506.8	226.6
80°	724.5	483.0	402.5	211.7	208.7
82.5°	450.2	325.0	169.9	187.8	184.8
85°	202.7	152.1	137.1	146.1	134.2
87.5°	71.6	74.5	83.5	77.5	71.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)