

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-LD5-16-W-WG-UNV-L850-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 (P34174)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4ILED-LD5-16-W-WG-UNV-L850-CD2-U
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

Light Source: (1) 5000 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

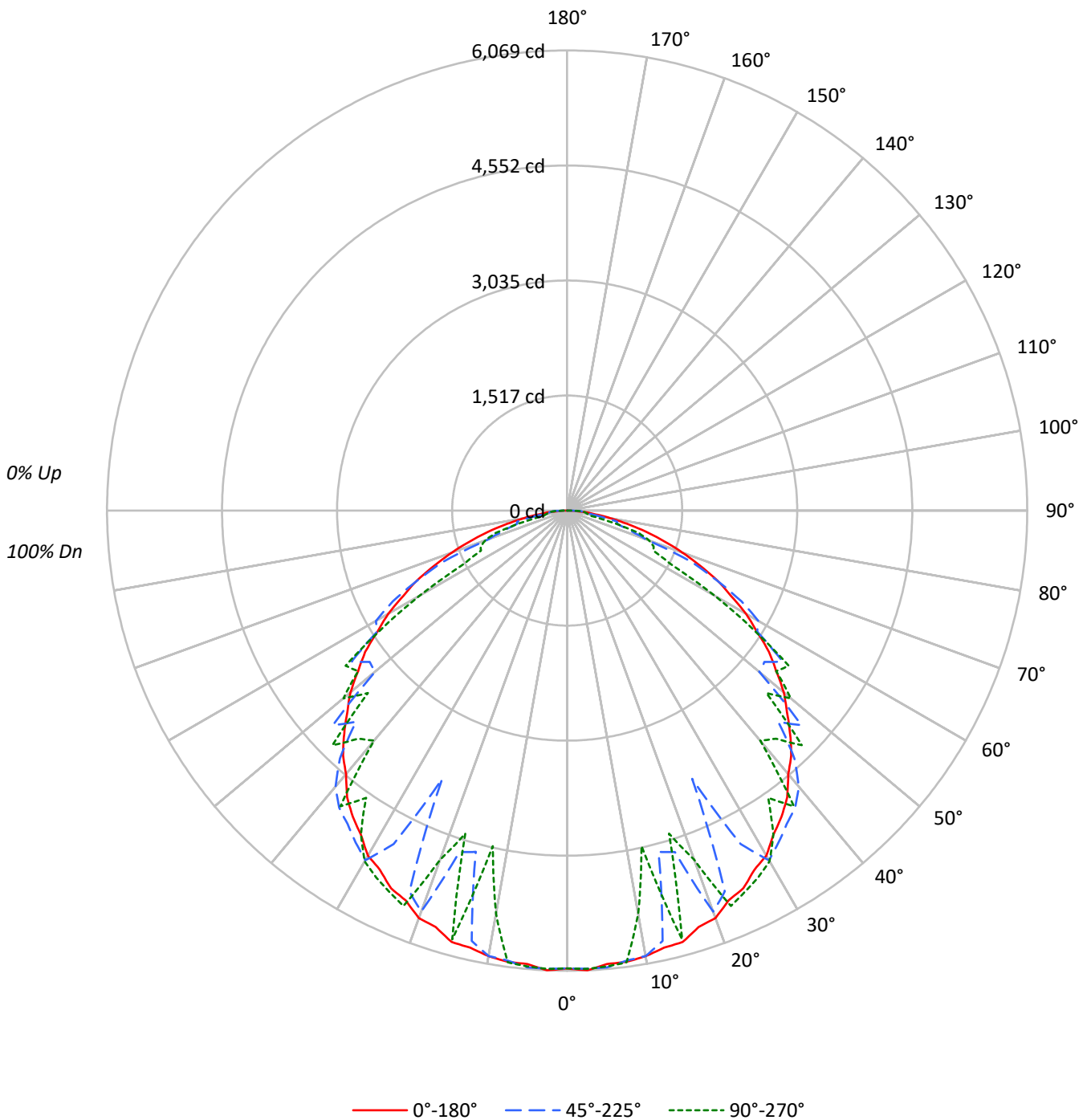
Lumens per Lamp: N/A
Luminaire Lumens: 16602.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 126.6
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	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°	17724	17724	17724
5°	17654	17674	17617
10°	17710	17489	15796
15°	17782	13812	17285
20°	17703	16997	14730
25°	17603	12105	17103
30°	17554	17109	17030
35°	17360	16963	15395
40°	17029	16869	13905
45°	16846	14936	16384
50°	16545	13569	15566
55°	16067	15638	15802
60°	15327	14687	11118
65°	14460	12521	7059
70°	12949	7468	7594
75°	11151	5740	5210
80°	8638	4737	3009
85°	6214	3639	3484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.9	3.4
10°-20°	1527.0	9.2
20°-30°	2367.9	14.3
30°-40°	3035.7	18.3
40°-50°	3108.9	18.7
50°-60°	2947.9	17.8
60°-70°	1888.2	11.4
70°-80°	917.6	5.5
80°-90°	236.9	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°	4466.8	26.9
0°-40°	7502.5	45.2
0°-60°	13559.3	81.7
0°-90°	16602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6038	6038	6038	6038	6038	
5°	6004	6021	6047	6062	6035	573
15°	5890	5890	4660	5481	5854	1654
25°	5498	4750	3902	5583	5549	2527
35°	4929	4960	5048	4917	4624	3079
45°	4159	4166	3939	3965	4377	3205
55°	3251	3353	3469	3346	3568	2889
65°	2193	2142	2169	1409	1254	2149
75°	1075	1201	685	830	646	1137
85°	237	208	225	237	232	269
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6037.7	6037.7	6037.7	6037.7	6037.7
2.5°	6069.2	6074.0	6047.4	6037.7	6049.8
5°	6003.8	6020.8	6047.4	6061.9	6035.3
7.5°	6001.4	6008.7	5986.9	6066.8	6008.7
10°	5967.5	6008.7	5965.1	5754.5	5401.0
12.5°	5904.6	5911.8	5812.6	4188.1	4531.9
15°	5890.0	5890.0	4660.2	5480.9	5853.7
17.5°	5759.3	5790.8	4723.2	5756.9	4466.5
20°	5718.2	5698.8	5628.6	4076.8	4902.3
22.5°	5563.2	5430.1	5434.9	5664.9	5643.1
25°	5497.8	4749.8	3902.5	5582.6	5548.7
27.5°	5342.9	3982.4	4958.0	5461.5	5454.3
30°	5253.3	4142.1	5323.5	5362.3	5340.5
32.5°	5064.5	4754.6	5190.4	5272.7	5062.1
35°	4928.9	4960.4	5047.6	4916.8	4623.9
37.5°	4766.7	4551.3	4938.6	4483.5	4914.4
40°	4536.8	3546.6	4752.2	4810.3	3960.6
42.5°	4374.6	3471.6	4437.5	3733.0	4079.2
45°	4159.1	4166.4	3938.8	3965.4	4377.0
47.5°	3934.0	4025.9	4190.6	4212.4	3563.6
50°	3730.6	3820.2	3306.9	3570.8	3851.6
52.5°	3476.4	3602.3	3280.3	3687.0	3476.4
55°	3251.3	3352.9	3469.1	3345.7	3568.4
57.5°	2963.2	3125.4	2970.4	3285.2	2900.2
60°	2723.5	2721.1	2912.3	2926.9	2251.4
62.5°	2435.4	2416.1	2590.4	1963.3	1559.1
65°	2193.3	2142.5	2169.1	1409.0	1254.0
67.5°	1890.7	1677.7	1786.6	1176.6	1234.7
70°	1612.3	1602.6	1096.7	815.8	1149.9
72.5°	1336.3	1455.0	864.3	1019.2	995.0
75°	1074.9	1200.8	685.1	830.4	646.4
77.5°	806.2	871.5	675.4	508.4	314.7
80°	583.4	411.6	430.9	288.1	288.1
82.5°	377.7	338.9	251.8	268.7	254.2
85°	237.2	208.2	225.1	237.2	232.4
87.5°	82.3	142.8	179.1	174.3	159.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)