

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-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: 4ILED-LD5-16-W-UNV-L835-CD2-U
Description: Metalux 4' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

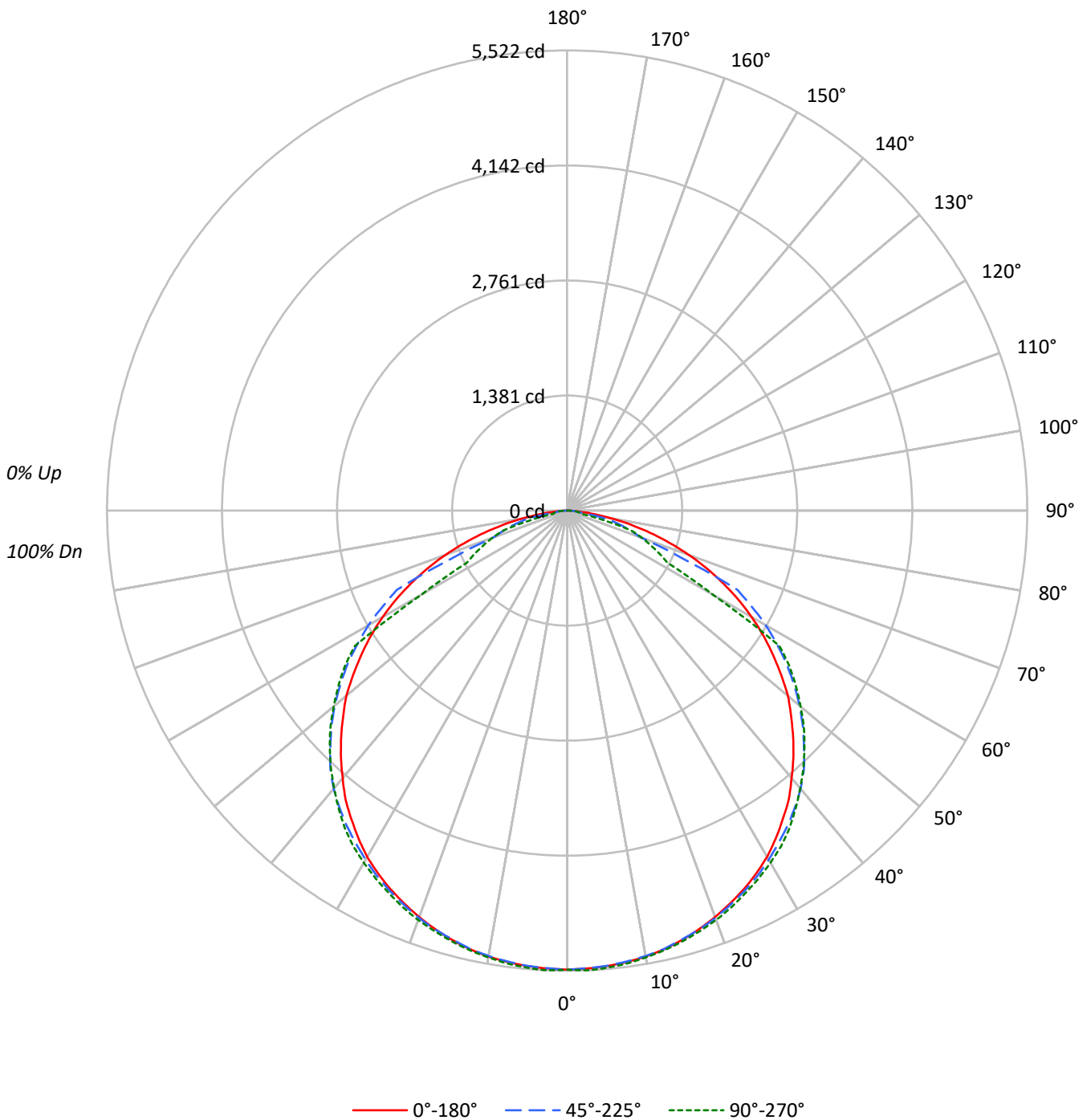
Lumens per Lamp: N/A
Luminaire Lumens: 15898.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	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°	16173	16173	16173
5°	16135	16024	16074
10°	16129	15914	15926
15°	16102	15789	15801
20°	16071	15709	15710
25°	16051	15619	15608
30°	16033	15548	15560
35°	15903	15506	15486
40°	15729	15475	15274
45°	15533	15242	15078
50°	15344	14944	14782
55°	14886	14508	14418
60°	14396	13897	10011
65°	13625	13032	6867
70°	12458	6349	6288
75°	10652	5514	3926
80°	7893	3256	1604
85°	3909	1631	1480



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.6	3.3
10°-20°	1508.9	9.5
20°-30°	2326.5	14.6
30°-40°	2880.8	18.1
40°-50°	3066.7	19.3
50°-60°	2829.8	17.8
60°-70°	1811.8	11.4
70°-80°	816.1	5.1
80°-90°	134.8	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°	4358.0	27.4
0°-40°	7238.8	45.5
0°-60°	13135.3	82.6
0°-90°	15898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5509	5509	5509	5509	5509	
5°	5487	5496	5483	5498	5507	522
15°	5334	5342	5327	5353	5351	1506
25°	5013	5026	5035	5068	5064	2312
35°	4515	4561	4614	4662	4651	2826
45°	3835	3914	4019	4046	4028	2959
55°	3012	3122	3219	3271	3256	2694
65°	2067	2166	2258	1246	1220	2041
75°	1027	1117	658	676	487	1091
85°	149	112	101	108	99	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5509.1	5509.1	5509.1	5509.1	5509.1
2.5°	5500.3	5511.3	5495.9	5511.3	5522.3
5°	5487.2	5495.9	5482.8	5498.1	5506.9
7.5°	5465.2	5474.0	5458.6	5474.0	5482.8
10°	5434.5	5438.9	5427.9	5443.3	5445.5
12.5°	5390.6	5395.0	5386.2	5401.6	5403.8
15°	5333.6	5342.4	5327.0	5353.3	5351.1
17.5°	5267.8	5276.5	5270.0	5289.7	5291.9
20°	5191.0	5199.7	5201.9	5226.1	5228.3
22.5°	5105.4	5118.6	5120.8	5153.7	5151.5
25°	5013.3	5026.4	5035.2	5068.1	5063.7
27.5°	4912.3	4929.9	4943.1	4976.0	4976.0
30°	4798.2	4822.4	4837.7	4881.6	4879.4
32.5°	4662.2	4708.3	4725.8	4780.7	4776.3
35°	4515.2	4561.3	4614.0	4662.2	4651.3
37.5°	4370.4	4416.5	4488.9	4517.4	4504.3
40°	4190.5	4267.3	4359.5	4370.4	4350.7
42.5°	4019.4	4080.8	4205.9	4212.5	4194.9
45°	3835.1	3914.1	4019.4	4045.7	4028.2
47.5°	3644.2	3712.2	3835.1	3868.0	3854.8
50°	3459.9	3521.3	3642.0	3674.9	3657.4
52.5°	3233.9	3326.1	3429.2	3481.9	3462.1
55°	3012.3	3122.0	3218.6	3271.2	3255.9
57.5°	2790.8	2911.4	2983.8	3056.2	3018.9
60°	2558.2	2676.7	2755.6	2722.7	2027.2
62.5°	2316.8	2430.9	2496.8	1674.0	1358.1
65°	2066.7	2165.5	2257.6	1246.2	1219.9
67.5°	1812.2	1911.0	1502.9	1108.0	1083.8
70°	1551.1	1643.3	932.4	965.4	952.2
72.5°	1287.9	1375.6	800.8	838.1	820.6
75°	1026.8	1116.7	658.2	675.7	487.1
77.5°	783.3	770.1	530.9	373.0	166.7
80°	533.1	355.4	296.2	155.8	153.6
82.5°	331.3	239.1	125.1	138.2	136.0
85°	149.2	111.9	100.9	107.5	98.7
87.5°	52.7	54.8	61.4	57.0	52.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)