

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-LD5-28-W-UNV-L840-CD4-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-LD5-28-W-UNV-L840-CD4-U
Description: Metalux 8' ILED WITH OPEN WIDE DISTRIBUTION

Light Source: (1) 4000 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

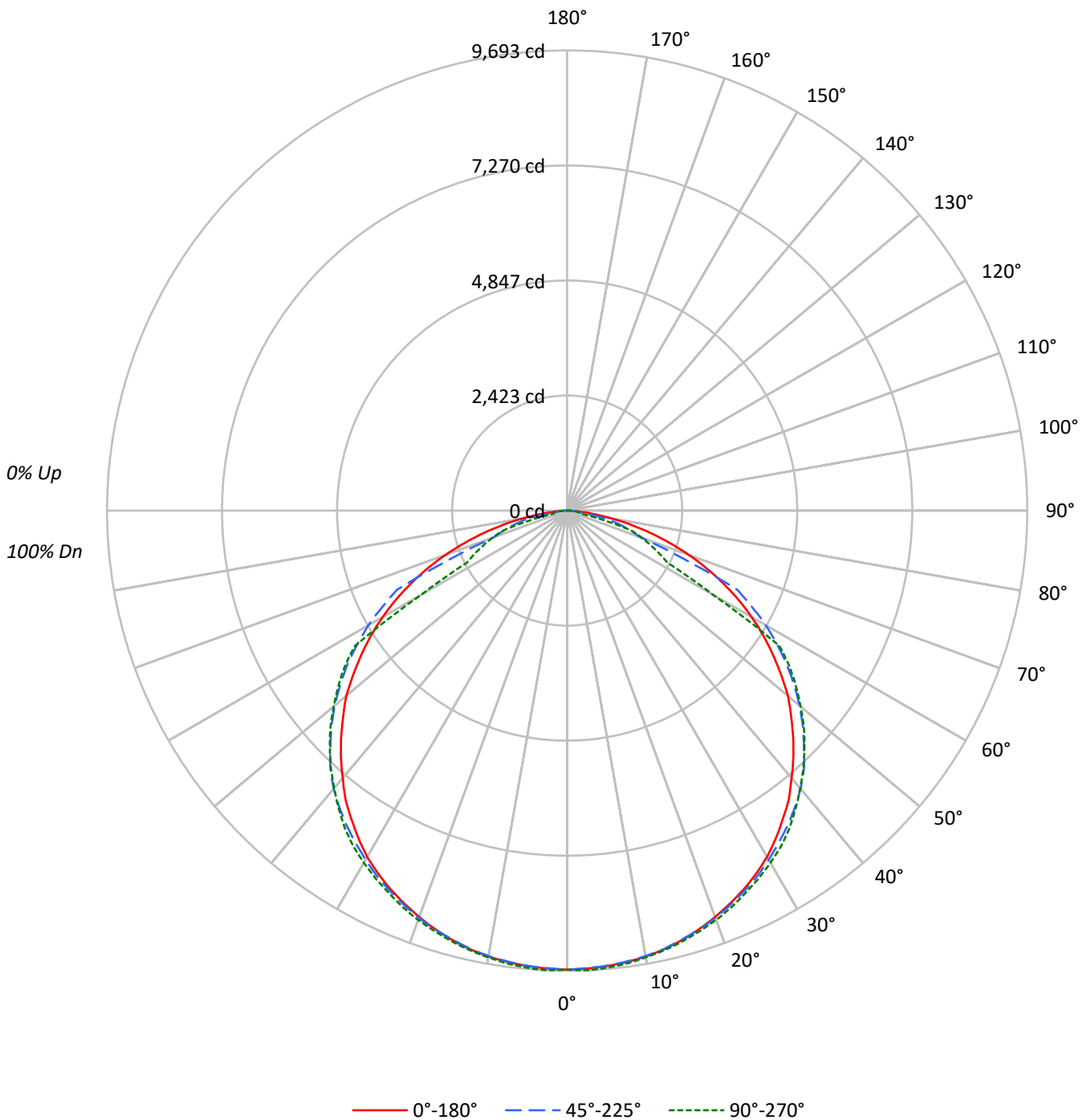
Lumens per Lamp: N/A
Luminaire Lumens: 27906.0 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 204
Input Voltage (V):
Input Current (Ain): 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°	14194	14194	14194
5°	14176	14074	14108
10°	14187	13988	13978
15°	14179	13889	13868
20°	14168	13830	13788
25°	14169	13762	13698
30°	14173	13712	13656
35°	14078	13688	13591
40°	13948	13676	13406
45°	13801	13486	13234
50°	13665	13241	12973
55°	13294	12876	12654
60°	12903	12359	8786
65°	12271	11621	6027
70°	11297	5682	5519
75°	9766	4960	3446
80°	7386	2954	1408
85°	3859	1505	1299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.3	3.3
10°-20°	2648.6	9.5
20°-30°	4083.8	14.6
30°-40°	5056.7	18.1
40°-50°	5383.0	19.3
50°-60°	4967.2	17.8
60°-70°	3180.3	11.4
70°-80°	1432.5	5.1
80°-90°	236.6	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°	7649.7	27.4
0°-40°	12706.4	45.5
0°-60°	23056.6	82.6
0°-90°	27906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9670	9670	9670	9670	9670	
5°	9632	9647	9624	9651	9666	916
15°	9362	9378	9351	9397	9393	2644
25°	8800	8823	8838	8896	8888	4058
35°	7926	8006	8099	8184	8164	4961
45°	6732	6870	7055	7102	7071	5194
55°	5288	5480	5650	5742	5715	4729
65°	3628	3801	3963	2187	2141	3583
75°	1802	1960	1155	1186	855	1915
85°	262	196	177	189	173	382
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9670.2	9670.2	9670.2	9670.2	9670.2
2.5°	9654.8	9674.1	9647.1	9674.1	9693.3
5°	9631.7	9647.1	9624.0	9650.9	9666.4
7.5°	9593.2	9608.6	9581.6	9608.6	9624.0
10°	9539.3	9547.0	9527.7	9554.7	9558.5
12.5°	9462.2	9469.9	9454.5	9481.5	9485.3
15°	9362.1	9377.5	9350.6	9396.8	9392.9
17.5°	9246.6	9262.0	9250.4	9285.1	9288.9
20°	9111.8	9127.2	9131.0	9173.4	9177.3
22.5°	8961.6	8984.7	8988.6	9046.3	9042.5
25°	8799.8	8823.0	8838.4	8896.1	8888.4
27.5°	8622.7	8653.5	8676.6	8734.4	8734.4
30°	8422.4	8464.8	8491.8	8568.8	8564.9
32.5°	8183.7	8264.5	8295.3	8391.6	8383.9
35°	7925.6	8006.5	8098.9	8183.7	8164.4
37.5°	7671.5	7752.3	7879.4	7929.5	7906.4
40°	7355.7	7490.5	7652.2	7671.5	7636.8
42.5°	7055.3	7163.1	7382.6	7394.2	7363.4
45°	6731.8	6870.4	7055.3	7101.5	7070.7
47.5°	6396.7	6516.1	6731.8	6789.6	6766.4
50°	6073.2	6181.1	6392.9	6450.7	6419.8
52.5°	5676.6	5838.3	6019.3	6111.8	6077.1
55°	5287.6	5480.2	5649.6	5742.0	5715.1
57.5°	4898.6	5110.5	5237.5	5364.6	5299.2
60°	4490.4	4698.4	4837.0	4779.3	3558.5
62.5°	4066.8	4267.1	4382.6	2938.4	2383.9
65°	3627.8	3801.1	3962.8	2187.4	2141.2
67.5°	3181.0	3354.3	2638.0	1944.8	1902.5
70°	2722.8	2884.5	1636.7	1694.5	1671.4
72.5°	2260.6	2414.7	1405.7	1471.1	1440.3
75°	1802.3	1960.2	1155.3	1186.2	855.0
77.5°	1374.9	1351.7	932.0	654.7	292.7
80°	935.8	623.9	519.9	273.4	269.6
82.5°	581.5	419.8	219.5	242.6	238.8
85°	261.9	196.4	177.2	188.7	173.3
87.5°	92.4	96.3	107.8	100.1	92.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)