

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-LD5-14-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-LD5-14-W-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

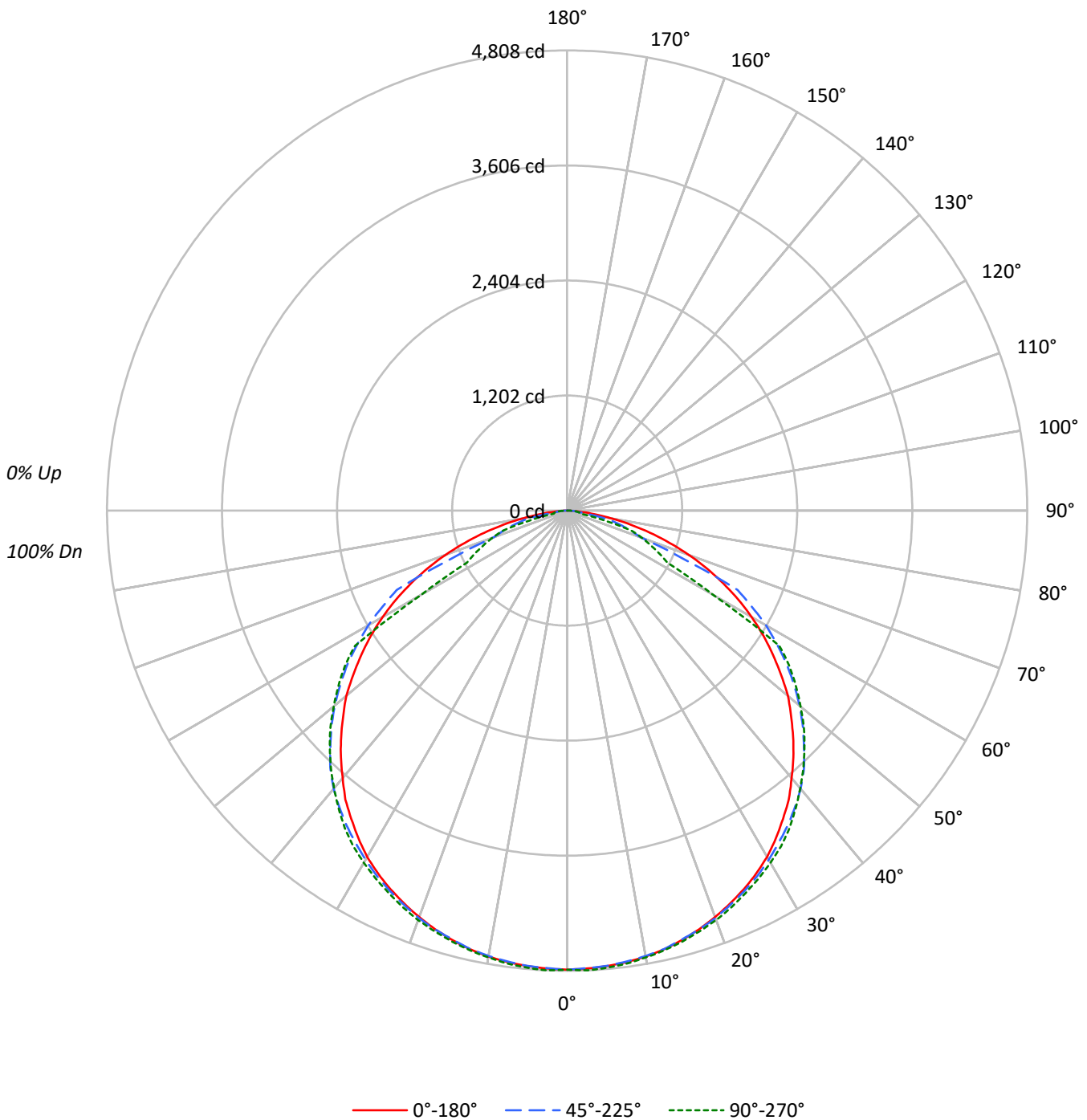
Lumens per Lamp: N/A
Luminaire Lumens: 13843.0 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 100.8
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°	7041	7041	7041
5°	7032	6982	6998
10°	7037	6939	6934
15°	7034	6890	6879
20°	7028	6860	6839
25°	7029	6827	6795
30°	7030	6802	6774
35°	6984	6790	6742
40°	6919	6784	6650
45°	6846	6690	6565
50°	6779	6568	6435
55°	6595	6387	6277
60°	6401	6131	4358
65°	6087	5765	2990
70°	5604	2819	2738
75°	4845	2461	1709
80°	3664	1465	698
85°	1914	747	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.0	3.3
10°-20°	1313.8	9.5
20°-30°	2025.8	14.6
30°-40°	2508.4	18.1
40°-50°	2670.3	19.3
50°-60°	2464.0	17.8
60°-70°	1577.6	11.4
70°-80°	710.6	5.1
80°-90°	117.4	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°	3794.7	27.4
0°-40°	6303.1	45.5
0°-60°	11437.4	82.6
0°-90°	13843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4797	4797	4797	4797	4797	
5°	4778	4786	4774	4787	4795	455
15°	4644	4652	4638	4661	4659	1312
25°	4365	4377	4384	4413	4409	2013
35°	3932	3972	4018	4060	4050	2461
45°	3339	3408	3500	3523	3508	2577
55°	2623	2718	2802	2848	2835	2346
65°	1800	1886	1966	1085	1062	1777
75°	894	972	573	588	424	950
85°	130	97	88	94	86	189
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4797.0	4797.0	4797.0	4797.0	4797.0
2.5°	4789.3	4798.9	4785.5	4798.9	4808.4
5°	4777.9	4785.5	4774.1	4787.4	4795.1
7.5°	4758.8	4766.4	4753.0	4766.4	4774.1
10°	4732.0	4735.9	4726.3	4739.7	4741.6
12.5°	4693.8	4697.6	4690.0	4703.4	4705.3
15°	4644.2	4651.8	4638.4	4661.3	4659.4
17.5°	4586.8	4594.5	4588.8	4605.9	4607.9
20°	4520.0	4527.6	4529.5	4550.5	4552.5
22.5°	4445.5	4456.9	4458.8	4487.5	4485.6
25°	4365.2	4376.7	4384.3	4413.0	4409.2
27.5°	4277.4	4292.6	4304.1	4332.8	4332.8
30°	4178.0	4199.0	4212.4	4250.6	4248.7
32.5°	4059.6	4099.7	4115.0	4162.7	4158.9
35°	3931.6	3971.7	4017.5	4059.6	4050.0
37.5°	3805.5	3845.6	3908.7	3933.5	3922.0
40°	3648.8	3715.7	3795.9	3805.5	3788.3
42.5°	3499.8	3553.3	3662.2	3667.9	3652.7
45°	3339.4	3408.1	3499.8	3522.8	3507.5
47.5°	3173.2	3232.4	3339.4	3368.0	3356.6
50°	3012.7	3066.2	3171.2	3199.9	3184.6
52.5°	2815.9	2896.1	2985.9	3031.8	3014.6
55°	2623.0	2718.5	2802.5	2848.4	2835.0
57.5°	2430.0	2535.1	2598.1	2661.2	2628.7
60°	2227.5	2330.7	2399.4	2370.8	1765.2
62.5°	2017.4	2116.7	2174.0	1457.6	1182.5
65°	1799.6	1885.6	1965.8	1085.1	1062.2
67.5°	1578.0	1663.9	1308.6	964.7	943.7
70°	1350.6	1430.9	811.9	840.6	829.1
72.5°	1121.4	1197.8	697.3	729.8	714.5
75°	894.1	972.4	573.1	588.4	424.1
77.5°	682.0	670.5	462.3	324.8	145.2
80°	464.2	309.5	257.9	135.6	133.7
82.5°	288.5	208.2	108.9	120.4	118.4
85°	129.9	97.4	87.9	93.6	86.0
87.5°	45.8	47.8	53.5	49.7	45.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)