

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-LD5-10-N-TWB-UNV-L835-CD1-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 (P34185)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-10-N-TWB-UNV-L835-CD1-U
Description: Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE DISTRIBUTION

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

Summary

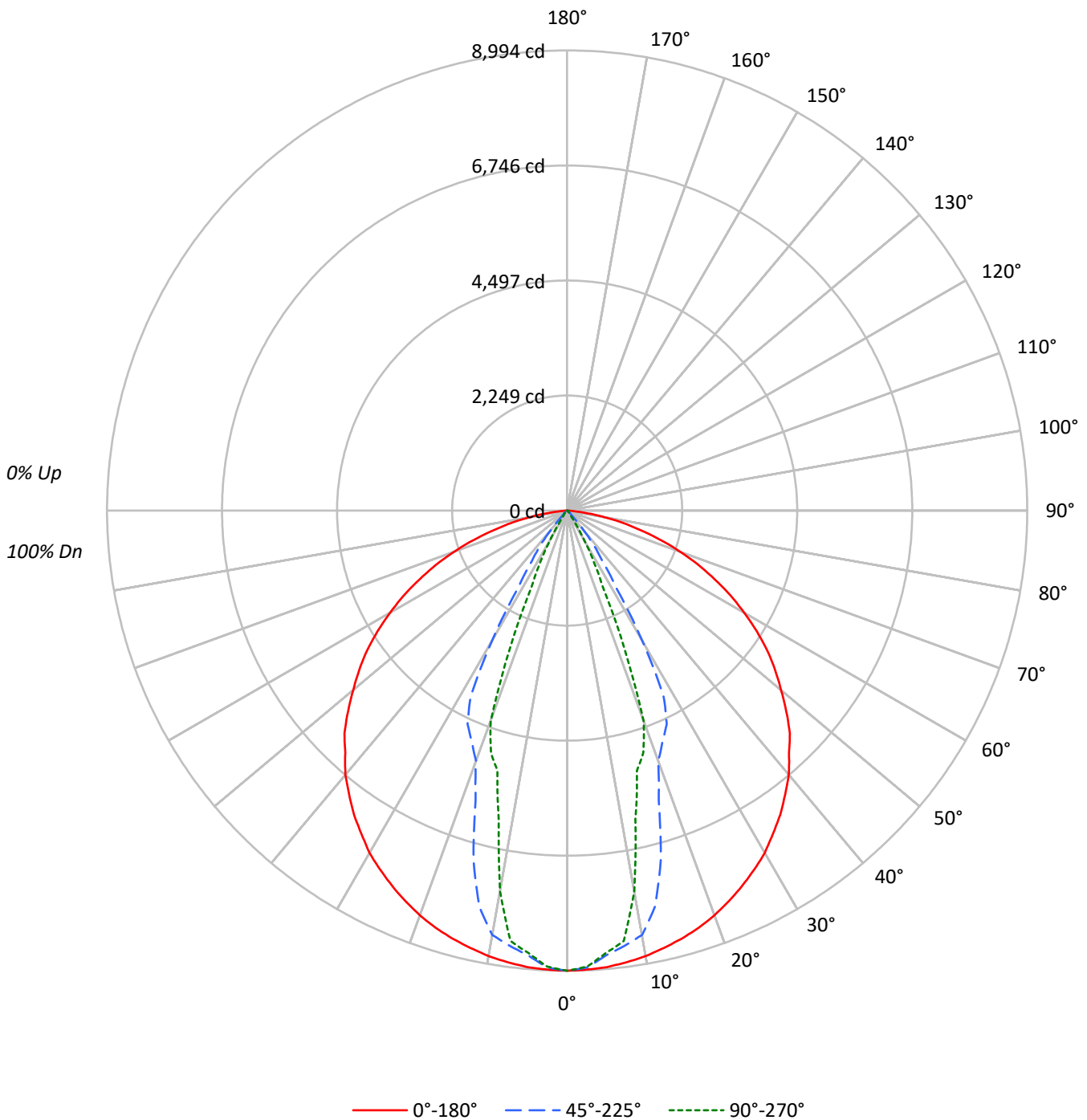
Lumens per Lamp: N/A
Luminaire Lumens: 9046.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.59 / 0.77
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 67
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90				90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81				81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73				73
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66				66
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60				60
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55				55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51				51
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48				48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13201	13201	13201
5°	13181	12760	12668
10°	13148	12365	11039
15°	13116	10500	7773
20°	13089	7888	6572
25°	13030	7173	2552
30°	13001	4751	1088
35°	12896	2024	240
40°	12785	893	172
45°	12621	214	80
50°	12282	132	43
55°	12016	84	44
60°	11484	76	45
65°	10775	79	48
70°	9753	84	52
75°	8098	97	57
80°	5865	113	52
85°	1980	121	64



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.2	9.1
10°-20°	1971.9	21.8
20°-30°	2156.0	23.8
30°-40°	1560.3	17.2
40°-50°	1164.4	12.9
50°-60°	679.9	7.5
60°-70°	422.7	4.7
70°-80°	220.5	2.4
80°-90°	44.0	0.5
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°	4954.1	54.8
0°-40°	6514.4	72.0
0°-60°	8358.8	92.4
0°-90°	9046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8994	8994	8994	8994	8994	
5°	8956	8923	8725	8698	8680	851
15°	8660	8356	7069	5528	5265	2445
25°	8092	6870	4607	2402	1656	3733
35°	7260	4428	1197	259	144	4539
45°	6156	2894	112	76	42	4727
55°	4779	560	37	42	20	4255
65°	3186	47	27	26	17	3150
75°	1494	28	23	18	14	1602
85°	134	18	14	13	8	255
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8993.9	8993.9	8993.9	8993.9	8993.9
2.5°	8979.8	8991.1	8937.3	8937.3	8921.7
5°	8955.7	8923.2	8725.0	8698.1	8679.7
7.5°	8903.3	8776.0	8582.1	8546.7	8485.8
10°	8841.1	8617.5	8422.2	7918.3	7549.0
12.5°	8753.3	8485.8	7932.5	6684.2	6171.9
15°	8659.9	8355.6	7069.2	5528.0	5264.7
17.5°	8549.5	8183.0	5946.9	5069.4	4956.2
20°	8417.9	7902.8	5208.1	4753.8	4374.5
22.5°	8263.7	7468.3	4874.1	3951.4	2928.2
25°	8092.4	6869.6	4606.6	2401.7	1655.8
27.5°	7912.7	6162.0	4077.3	1459.1	1130.8
30°	7725.9	5434.6	2942.3	1045.9	682.2
32.5°	7486.7	4840.2	1784.6	588.7	304.3
35°	7260.2	4428.3	1197.3	259.0	144.4
37.5°	6998.4	4143.9	874.6	137.3	101.9
40°	6742.3	3866.5	499.6	103.3	97.7
42.5°	6419.6	3521.1	210.9	97.7	69.3
45°	6156.3	2894.2	111.8	76.4	42.5
47.5°	5808.2	1981.4	75.0	59.4	26.9
50°	5458.6	1224.2	63.7	46.7	21.2
52.5°	5126.0	810.9	46.7	43.9	19.8
55°	4779.3	560.4	36.8	42.5	19.8
57.5°	4394.4	276.0	31.1	41.0	18.4
60°	3996.7	107.6	29.7	39.6	18.4
62.5°	3603.2	59.4	28.3	32.6	17.0
65°	3185.7	46.7	26.9	25.5	17.0
67.5°	2772.5	38.2	25.5	24.1	17.0
70°	2350.7	34.0	24.1	21.2	15.6
72.5°	1920.5	31.1	22.6	21.2	14.2
75°	1494.5	28.3	22.6	18.4	14.2
77.5°	1118.0	26.9	21.2	18.4	11.3
80°	743.0	24.1	19.8	15.6	9.9
82.5°	410.4	22.6	17.0	14.2	9.9
85°	134.4	18.4	14.2	12.7	8.5
87.5°	21.2	12.7	11.3	11.3	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)