

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-W-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 (P34173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-10-W-UNV-L835-CD1-U
Description: Metalux 8' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

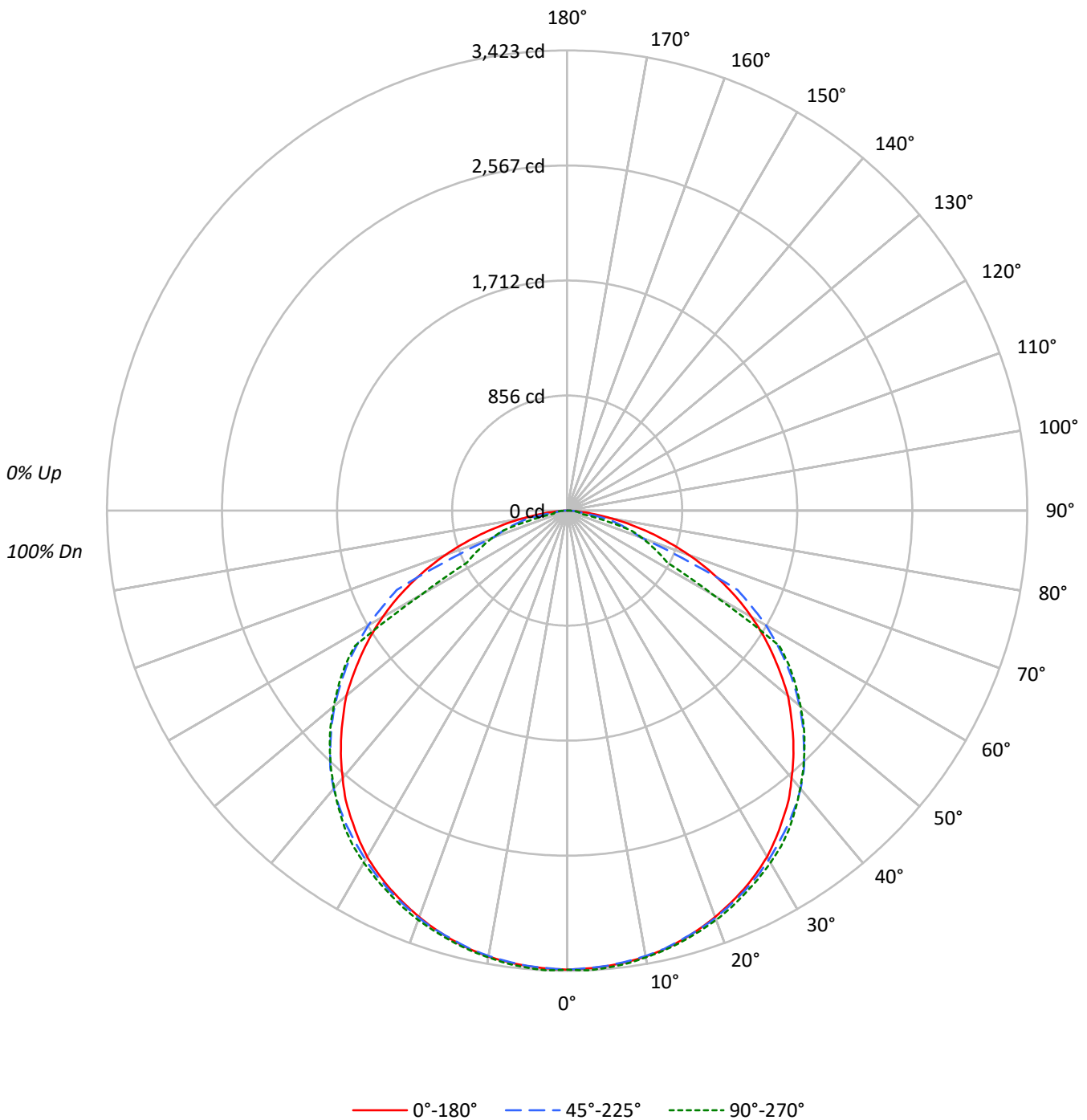
Lumens per Lamp: N/A
Luminaire Lumens: 9855.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	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°	5013	5013	5013
5°	5006	4970	4982
10°	5010	4940	4936
15°	5007	4905	4897
20°	5003	4884	4869
25°	5004	4860	4838
30°	5005	4842	4823
35°	4972	4834	4800
40°	4926	4830	4734
45°	4874	4763	4673
50°	4826	4676	4582
55°	4695	4547	4469
60°	4557	4365	3103
65°	4333	4104	2128
70°	3989	2007	1949
75°	3449	1752	1217
80°	2609	1043	497
85°	1363	532	459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.0	3.3
10°-20°	935.3	9.5
20°-30°	1442.2	14.6
30°-40°	1785.8	18.1
40°-50°	1901.0	19.3
50°-60°	1754.2	17.8
60°-70°	1123.1	11.4
70°-80°	505.9	5.1
80°-90°	83.5	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°	2701.5	27.4
0°-40°	4487.3	45.5
0°-60°	8142.4	82.6
0°-90°	9855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3401	3407	3399	3408	3414	324
15°	3306	3312	3302	3318	3317	934
25°	3108	3116	3121	3142	3139	1433
35°	2799	2828	2860	2890	2883	1752
45°	2377	2426	2492	2508	2497	1834
55°	1867	1935	1995	2028	2018	1670
65°	1281	1342	1400	772	756	1265
75°	636	692	408	419	302	676
85°	92	69	63	67	61	135
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3415.0	3415.0	3415.0	3415.0	3415.0
2.5°	3409.6	3416.4	3406.9	3416.4	3423.2
5°	3401.4	3406.9	3398.7	3408.2	3413.7
7.5°	3387.8	3393.3	3383.8	3393.3	3398.7
10°	3368.8	3371.5	3364.7	3374.2	3375.6
12.5°	3341.6	3344.3	3338.9	3348.4	3349.7
15°	3306.2	3311.7	3302.1	3318.5	3317.1
17.5°	3265.4	3270.9	3266.8	3279.0	3280.4
20°	3217.8	3223.3	3224.6	3239.6	3240.9
22.5°	3164.8	3172.9	3174.3	3194.7	3193.3
25°	3107.7	3115.8	3121.3	3141.7	3138.9
27.5°	3045.1	3056.0	3064.1	3084.5	3084.5
30°	2974.4	2989.3	2998.9	3026.1	3024.7
32.5°	2890.1	2918.6	2929.5	2963.5	2960.8
35°	2798.9	2827.5	2860.1	2890.1	2883.3
37.5°	2709.2	2737.7	2782.6	2800.3	2792.1
40°	2597.7	2645.3	2702.4	2709.2	2696.9
42.5°	2491.6	2529.7	2607.2	2611.3	2600.4
45°	2377.3	2426.3	2491.6	2507.9	2497.0
47.5°	2259.0	2301.2	2377.3	2397.7	2389.6
50°	2144.8	2182.8	2257.6	2278.0	2267.2
52.5°	2004.7	2061.8	2125.7	2158.4	2146.1
55°	1867.3	1935.3	1995.2	2027.8	2018.3
57.5°	1730.0	1804.8	1849.6	1894.5	1871.4
60°	1585.8	1659.2	1708.2	1687.8	1256.7
62.5°	1436.2	1506.9	1547.7	1037.7	841.9
65°	1281.1	1342.3	1399.5	772.5	756.2
67.5°	1123.4	1184.6	931.6	686.8	671.9
70°	961.5	1018.7	578.0	598.4	590.3
72.5°	798.3	852.7	496.4	519.5	508.7
75°	636.5	692.3	408.0	418.9	301.9
77.5°	485.5	477.4	329.1	231.2	103.4
80°	330.5	220.3	183.6	96.6	95.2
82.5°	205.4	148.2	77.5	85.7	84.3
85°	92.5	69.4	62.6	66.6	61.2
87.5°	32.6	34.0	38.1	35.4	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)