

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-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-UNV-L835-CD1-U
Description: Metalux 8' ILED WITH OPEN NARROW DISTRIBUTION
Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

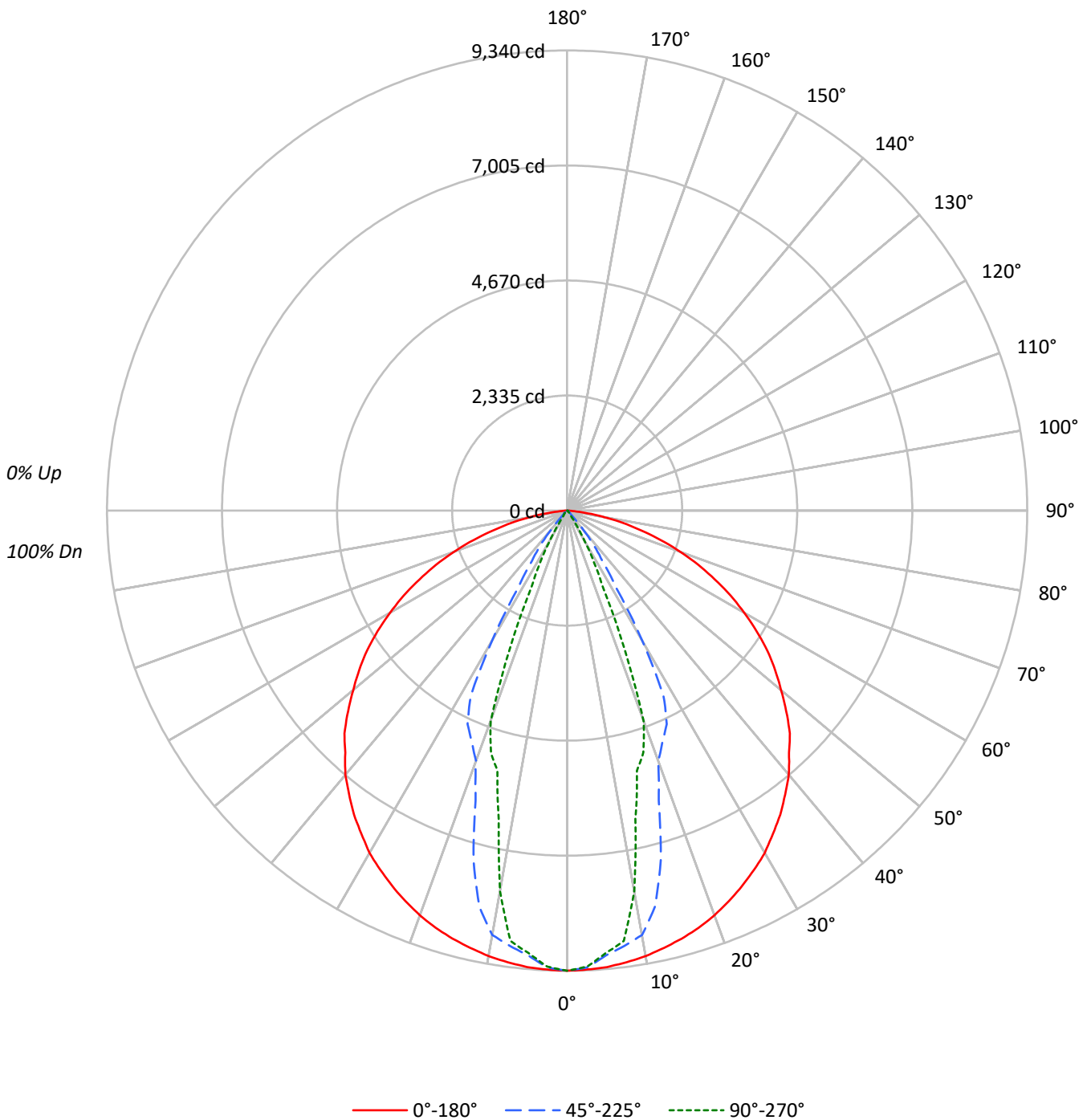
Lumens per Lamp: N/A
Luminaire Lumens: 9394.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.59 / 0.77
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 67
Input Voltage (V):
Input Current (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	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°	13709	13709	13709
5°	13688	13250	13155
10°	13654	12841	11464
15°	13620	10904	8072
20°	13593	8192	6825
25°	13531	7449	2650
30°	13501	4934	1130
35°	13393	2101	250
40°	13276	927	178
45°	13107	222	83
50°	12754	137	44
55°	12478	87	46
60°	11926	79	47
65°	11190	82	50
70°	10129	87	53
75°	8409	101	59
80°	6090	117	54
85°	2057	125	66



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.0	9.1
10°-20°	2047.7	21.8
20°-30°	2239.0	23.8
30°-40°	1620.3	17.2
40°-50°	1209.2	12.9
50°-60°	706.1	7.5
60°-70°	439.0	4.7
70°-80°	228.9	2.4
80°-90°	45.7	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°	5144.7	54.8
0°-40°	6765.0	72.0
0°-60°	8680.4	92.4
0°-90°	9394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9340	9340	9340	9340	9340	
5°	9300	9266	9061	9033	9014	884
15°	8993	8677	7341	5741	5467	2540
25°	8404	7134	4784	2494	1720	3877
35°	7540	4599	1243	269	150	4714
45°	6393	3006	116	79	44	4909
55°	4963	582	38	44	21	4419
65°	3308	48	28	26	18	3271
75°	1552	29	24	19	15	1663
85°	140	19	15	13	9	264
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9339.9	9339.9	9339.9	9339.9	9339.9
2.5°	9325.2	9337.0	9281.1	9281.1	9265.0
5°	9300.2	9266.4	9060.7	9032.8	9013.6
7.5°	9245.9	9113.6	8912.2	8875.5	8812.3
10°	9181.2	8949.0	8746.2	8223.0	7839.4
12.5°	9090.1	8812.3	8237.6	6941.4	6409.3
15°	8993.1	8677.1	7341.1	5740.6	5467.3
17.5°	8878.4	8497.8	6175.7	5264.5	5146.9
20°	8741.8	8206.8	5408.5	4936.7	4542.8
22.5°	8581.6	7755.6	5061.6	4103.4	3040.8
25°	8403.7	7133.9	4783.9	2494.1	1719.5
27.5°	8217.1	6399.1	4234.2	1515.3	1174.3
30°	8023.1	5643.6	3055.5	1086.1	708.4
32.5°	7774.7	5026.4	1853.3	611.4	316.0
35°	7539.5	4598.7	1243.4	269.0	149.9
37.5°	7267.6	4303.3	908.3	142.6	105.8
40°	7001.6	4015.2	518.8	107.3	101.4
42.5°	6666.5	3656.6	219.0	101.4	72.0
45°	6393.2	3005.5	116.1	79.4	44.1
47.5°	6031.6	2057.6	77.9	61.7	27.9
50°	5668.6	1271.3	66.1	48.5	22.0
52.5°	5323.2	842.1	48.5	45.6	20.6
55°	4963.2	582.0	38.2	44.1	20.6
57.5°	4563.4	286.6	32.3	42.6	19.1
60°	4150.4	111.7	30.9	41.2	19.1
62.5°	3741.8	61.7	29.4	33.8	17.6
65°	3308.3	48.5	27.9	26.5	17.6
67.5°	2879.1	39.7	26.5	25.0	17.6
70°	2441.2	35.3	25.0	22.0	16.2
72.5°	1994.4	32.3	23.5	22.0	14.7
75°	1552.0	29.4	23.5	19.1	14.7
77.5°	1161.1	27.9	22.0	19.1	11.8
80°	771.6	25.0	20.6	16.2	10.3
82.5°	426.2	23.5	17.6	14.7	10.3
85°	139.6	19.1	14.7	13.2	8.8
87.5°	22.0	13.2	11.8	11.8	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)