

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-N-UNV-L835-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 (P34185)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-28-N-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH OPEN NARROW DISTRIBUTION
Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

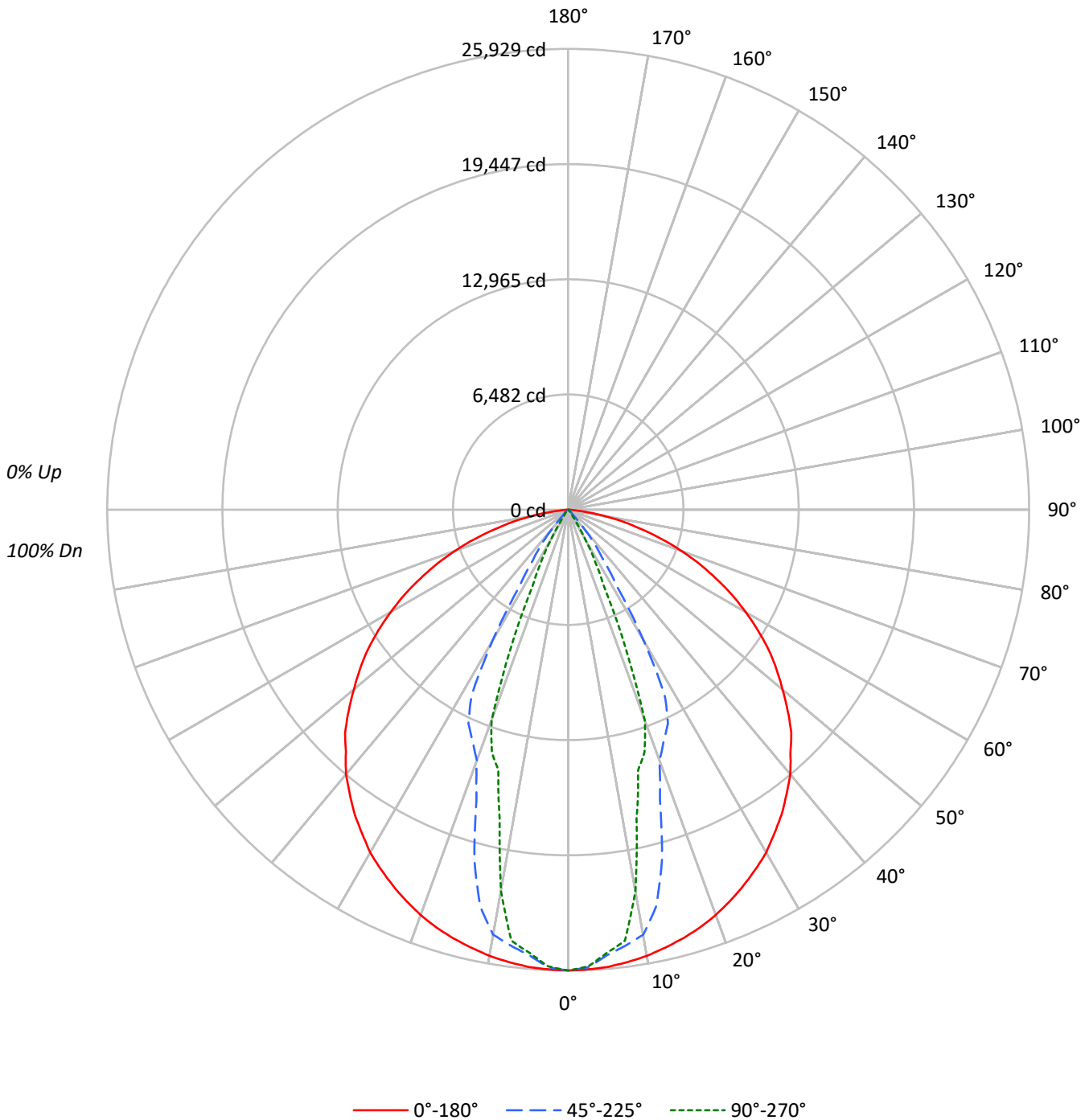
Lumens per Lamp: N/A
Luminaire Lumens: 26079.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.59 / 0.77
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 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	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°	38059	38059	38059
5°	38000	36785	36521
10°	37905	35648	31825
15°	37811	30272	22409
20°	37736	22741	18947
25°	37565	20679	7357
30°	37480	13697	3136
35°	37180	5834	693
40°	36857	2574	494
45°	36387	616	229
50°	35408	380	124
55°	34641	242	126
60°	33108	219	131
65°	31065	227	138
70°	28118	241	148
75°	23346	280	164
80°	16907	324	149
85°	5712	347	184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2381.8	9.1
10°-20°	5684.8	21.8
20°-30°	6215.7	23.8
30°-40°	4498.3	17.2
40°-50°	3357.0	12.9
50°-60°	1960.2	7.5
60°-70°	1218.6	4.7
70°-80°	635.6	2.4
80°-90°	127.0	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°	14282.3	54.8
0°-40°	18780.6	72.0
0°-60°	24097.8	92.4
0°-90°	26079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25929	25929	25929	25929	25929	
5°	25819	25725	25154	25076	25023	###
15°	24966	24089	20380	15937	15178	7050
25°	23330	19805	13281	6924	4774	10762
35°	20931	12767	3452	747	416	13086
45°	17748	8344	322	220	122	13628
55°	13778	1616	106	122	57	12267
65°	9184	135	78	73	49	9081
75°	4309	82	65	53	41	4618
85°	388	53	41	37	24	734
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25928.9	25928.9	25928.9	25928.9	25928.9
2.5°	25888.1	25920.7	25765.7	25765.7	25720.8
5°	25818.7	25724.9	25153.7	25076.1	25023.1
7.5°	25667.7	25300.5	24741.6	24639.6	24464.1
10°	25488.2	24843.6	24280.5	22828.0	21763.1
12.5°	25235.3	24464.1	22868.8	19270.2	17793.2
15°	24966.0	24088.8	20380.0	15936.8	15177.9
17.5°	24647.7	23591.0	17144.5	14614.8	14288.4
20°	24268.3	22783.1	15014.7	13705.0	12611.5
22.5°	23823.6	21530.6	14051.8	11391.6	8441.7
25°	23329.9	19804.7	13280.6	6923.9	4773.7
27.5°	22811.7	17764.6	11754.7	4206.6	3260.0
30°	22273.1	15667.5	8482.5	3015.2	1966.6
32.5°	21583.6	13953.9	5145.0	1697.3	877.2
35°	20930.8	12766.6	3451.7	746.7	416.2
37.5°	20176.0	11946.5	2521.5	395.8	293.8
40°	19437.5	11146.8	1440.3	297.8	281.5
42.5°	18507.2	10151.2	607.9	281.5	199.9
45°	17748.3	8343.8	322.3	220.3	122.4
47.5°	16744.6	5712.1	216.2	171.4	77.5
50°	15736.8	3529.3	183.6	134.6	61.2
52.5°	14778.0	2337.9	134.6	126.5	57.1
55°	13778.4	1615.7	106.1	122.4	57.1
57.5°	12668.6	795.6	89.8	118.3	53.0
60°	11522.1	310.1	85.7	114.2	53.0
62.5°	10387.9	171.4	81.6	93.8	49.0
65°	9184.2	134.6	77.5	73.4	49.0
67.5°	7992.9	110.2	73.4	69.4	49.0
70°	6777.0	97.9	69.4	61.2	44.9
72.5°	5536.7	89.8	65.3	61.2	40.8
75°	4308.6	81.6	65.3	53.0	40.8
77.5°	3223.3	77.5	61.2	53.0	32.6
80°	2142.0	69.4	57.1	44.9	28.6
82.5°	1183.2	65.3	49.0	40.8	28.6
85°	387.6	53.0	40.8	36.7	24.5
87.5°	61.2	36.7	32.6	32.6	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)