

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-W-CL-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 (P34177)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-28-W-CL-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME DISTRIBUTION

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

Summary

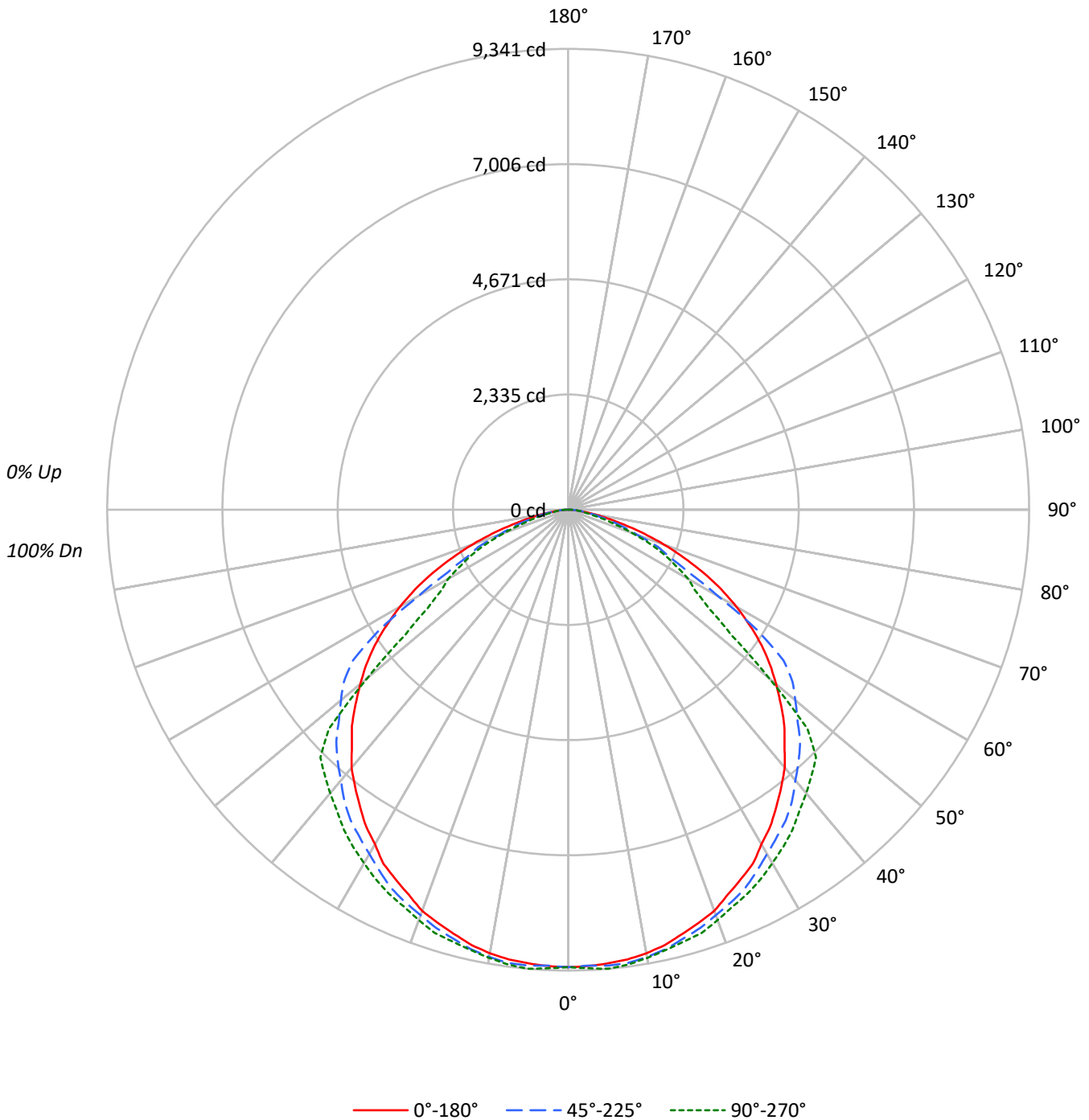
Lumens per Lamp: N/A
Luminaire Lumens: 25112.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.33 / 1.43
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 204
Input Voltage (V):
Input Current (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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	64	58	82	72	64	58	69	62	57		67	61	56		65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	49		60	54	49		58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	43	41
7	67	53	45	39	65	53	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13611	13611	13611
5°	13587	13566	13633
10°	13577	13515	13488
15°	13489	13370	13379
20°	13456	13250	13296
25°	13314	13193	13238
30°	13177	13016	13190
35°	13058	12992	13186
40°	12944	12800	13169
45°	12702	12702	13292
50°	12369	12450	10750
55°	12008	12142	7691
60°	11315	8972	6945
65°	10230	6588	6036
70°	8584	5177	4538
75°	6362	3842	3028
80°	4142	2703	1893
85°	2169	1636	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	883.6	3.5
10°-20°	2547.6	10.1
20°-30°	3900.4	15.5
30°-40°	4801.0	19.1
40°-50°	5088.5	20.3
50°-60°	4086.7	16.3
60°-70°	2539.9	10.1
70°-80°	1045.3	4.2
80°-90°	219.0	0.9
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°	7331.6	29.2
0°-40°	12132.6	48.3
0°-60°	21307.8	84.9
0°-90°	25112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9273	9273	9273	9273	9273	
5°	9231	9254	9277	9326	9341	878
15°	8907	9031	9001	9062	9062	2517
25°	8269	8355	8472	8567	8590	3815
35°	7351	7532	7687	7880	7921	4603
45°	6196	6332	6645	6962	7102	4766
55°	4776	4988	5327	3802	3474	4251
65°	3024	3240	2246	2133	2144	2980
75°	1174	1080	895	800	751	1288
85°	147	181	193	193	189	210
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9272.9	9272.9	9272.9	9272.9	9272.9
2.5°	9257.8	9269.1	9250.3	9291.8	9303.1
5°	9231.4	9254.0	9276.7	9325.8	9340.9
7.5°	9193.6	9242.7	9269.1	9299.3	9299.3
10°	9129.4	9204.9	9204.9	9216.3	9223.8
12.5°	9038.8	9140.8	9121.9	9129.4	9140.8
15°	8906.7	9031.3	9001.1	9061.5	9061.5
17.5°	8782.1	8887.8	8891.6	8967.1	8993.5
20°	8653.7	8740.5	8748.1	8857.6	8850.0
22.5°	8446.0	8578.2	8615.9	8676.4	8706.6
25°	8268.6	8355.4	8472.5	8566.9	8589.5
27.5°	8098.7	8170.4	8264.8	8427.2	8446.0
30°	7830.6	7981.6	8060.9	8276.1	8272.4
32.5°	7619.2	7755.1	7868.4	8076.0	8106.2
35°	7351.1	7532.3	7687.1	7879.7	7921.2
37.5°	7090.6	7256.7	7449.3	7638.1	7694.7
40°	6826.3	6977.3	7162.3	7388.9	7502.1
42.5°	6486.5	6671.5	6913.1	7173.7	7302.0
45°	6195.8	6331.7	6645.1	6962.2	7101.9
47.5°	5844.6	6022.1	6297.7	6701.7	6573.3
50°	5497.3	5701.2	6010.8	6071.2	5319.8
52.5°	5153.7	5357.6	5731.4	4802.6	4160.7
55°	4776.2	4987.6	5327.4	3802.0	3473.6
57.5°	4364.6	4564.7	4534.5	3156.4	3043.1
60°	3938.0	4134.3	3511.3	2763.7	2812.8
62.5°	3496.2	3707.7	2756.2	2525.9	2450.4
65°	3024.3	3239.5	2246.5	2133.2	2144.5
67.5°	2533.4	2714.7	1970.9	1819.8	1782.1
70°	2069.0	2121.9	1491.4	1449.8	1374.3
72.5°	1604.6	1536.7	1185.5	1094.9	1015.6
75°	1174.2	1079.8	894.8	800.4	751.3
77.5°	815.5	747.6	645.6	679.6	502.2
80°	524.8	487.1	475.7	377.6	362.5
82.5°	309.6	305.8	294.5	271.8	264.3
85°	147.2	181.2	192.6	192.6	188.8
87.5°	52.9	90.6	120.8	128.4	135.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)