

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-WG-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 (P34174)  
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-WG-UNV-L835-CD4-U  
Description: Metalux 8' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

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

**Summary**

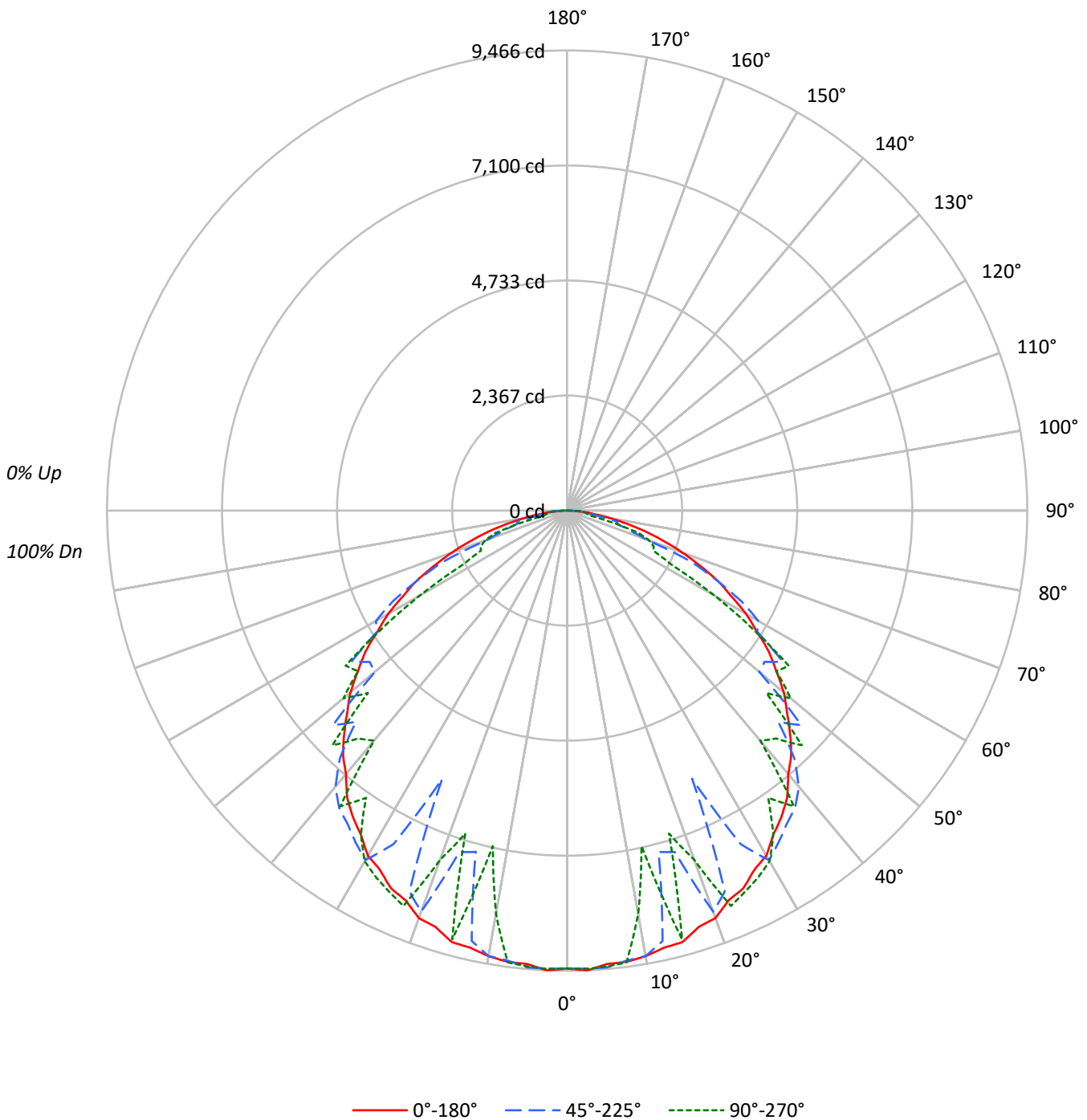
Lumens per Lamp: N/A  
Luminaire Lumens: 25894.0 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 204  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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	100	97	106	102	98	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13822	13822	13822
5°	13782	13794	13738
10°	13842	13660	12318
15°	13913	10796	13480
20°	13868	13296	11487
25°	13807	9478	13337
30°	13788	13407	13281
35°	13656	13306	12006
40°	13417	13246	10844
45°	13299	11743	12777
50°	13092	10683	12140
55°	12749	12332	12323
60°	12206	11606	8670
65°	11571	9921	5505
70°	10434	5938	5922
75°	9084	4588	4063
80°	7183	3819	2346
85°	5452	2983	2717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	892.0	3.4
10°-20°	2381.7	9.2
20°-30°	3693.1	14.3
30°-40°	4734.7	18.3
40°-50°	4848.8	18.7
50°-60°	4597.9	17.8
60°-70°	2945.0	11.4
70°-80°	1431.1	5.5
80°-90°	369.6	1.4
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°	6966.9	26.9
0°-40°	11701.6	45.2
0°-60°	21148.3	81.7
0°-90°	25894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9417	9417	9417	9417	9417	
5°	9364	9390	9432	9455	9413	894
15°	9187	9187	7268	8548	9130	2580
25°	8575	7408	6087	8707	8654	3941
35°	7688	7737	7873	7669	7212	4802
45°	6487	6498	6143	6185	6827	4999
55°	5071	5230	5411	5218	5566	4505
65°	3421	3342	3383	2198	1956	3352
75°	1676	1873	1069	1295	1008	1774
85°	370	325	351	370	362	420
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9417.0	9417.0	9417.0	9417.0	9417.0
2.5°	9466.0	9473.6	9432.1	9417.0	9435.8
5°	9364.1	9390.5	9432.1	9454.7	9413.2
7.5°	9360.3	9371.7	9337.7	9462.3	9371.7
10°	9307.5	9371.7	9303.7	8975.2	8423.9
12.5°	9209.3	9220.6	9065.8	6532.2	7068.4
15°	9186.6	9186.6	7268.5	8548.5	9130.0
17.5°	8982.7	9031.8	7366.7	8979.0	6966.4
20°	8918.6	8888.3	8778.8	6358.5	7646.1
22.5°	8676.9	8469.2	8476.8	8835.5	8801.5
25°	8574.9	7408.2	6086.7	8707.1	8654.2
27.5°	8333.3	6211.3	7732.9	8518.3	8507.0
30°	8193.6	6460.5	8303.1	8363.5	8329.5
32.5°	7899.1	7415.8	8095.4	8223.8	7895.3
35°	7687.6	7736.7	7872.6	7668.7	7211.9
37.5°	7434.6	7098.6	7702.7	6992.9	7665.0
40°	7075.9	5531.6	7412.0	7502.6	6177.3
42.5°	6823.0	5414.6	6921.1	5822.4	6362.3
45°	6486.9	6498.2	6143.3	6184.8	6826.7
47.5°	6135.8	6279.2	6536.0	6570.0	5558.0
50°	5818.6	5958.3	5157.8	5569.4	6007.4
52.5°	5422.1	5618.5	5116.3	5750.6	5422.1
55°	5071.0	5229.5	5410.8	5218.2	5565.6
57.5°	4621.6	4874.6	4633.0	5123.8	4523.5
60°	4247.8	4244.1	4542.3	4565.0	3511.5
62.5°	3798.5	3768.3	4040.2	3062.2	2431.6
65°	3420.9	3341.6	3383.2	2197.5	1955.9
67.5°	2948.9	2616.7	2786.6	1835.1	1925.7
70°	2514.7	2499.6	1710.5	1272.5	1793.5
72.5°	2084.3	2269.3	1348.0	1589.6	1551.9
75°	1676.5	1872.8	1068.6	1295.1	1008.2
77.5°	1257.4	1359.3	1053.5	792.9	490.9
80°	910.0	641.9	672.1	449.3	449.3
82.5°	589.0	528.6	392.7	419.1	396.5
85°	370.0	324.7	351.2	370.0	362.5
87.5°	128.4	222.8	279.4	271.9	249.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)