

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-LD5-32-W-TWBWG-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 (P34176)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-32-W-TWBWG-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH THIN WHITE BAFFLE-HEAVY DUTY WIREGUARD
DISTRIBUTION

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

Summary

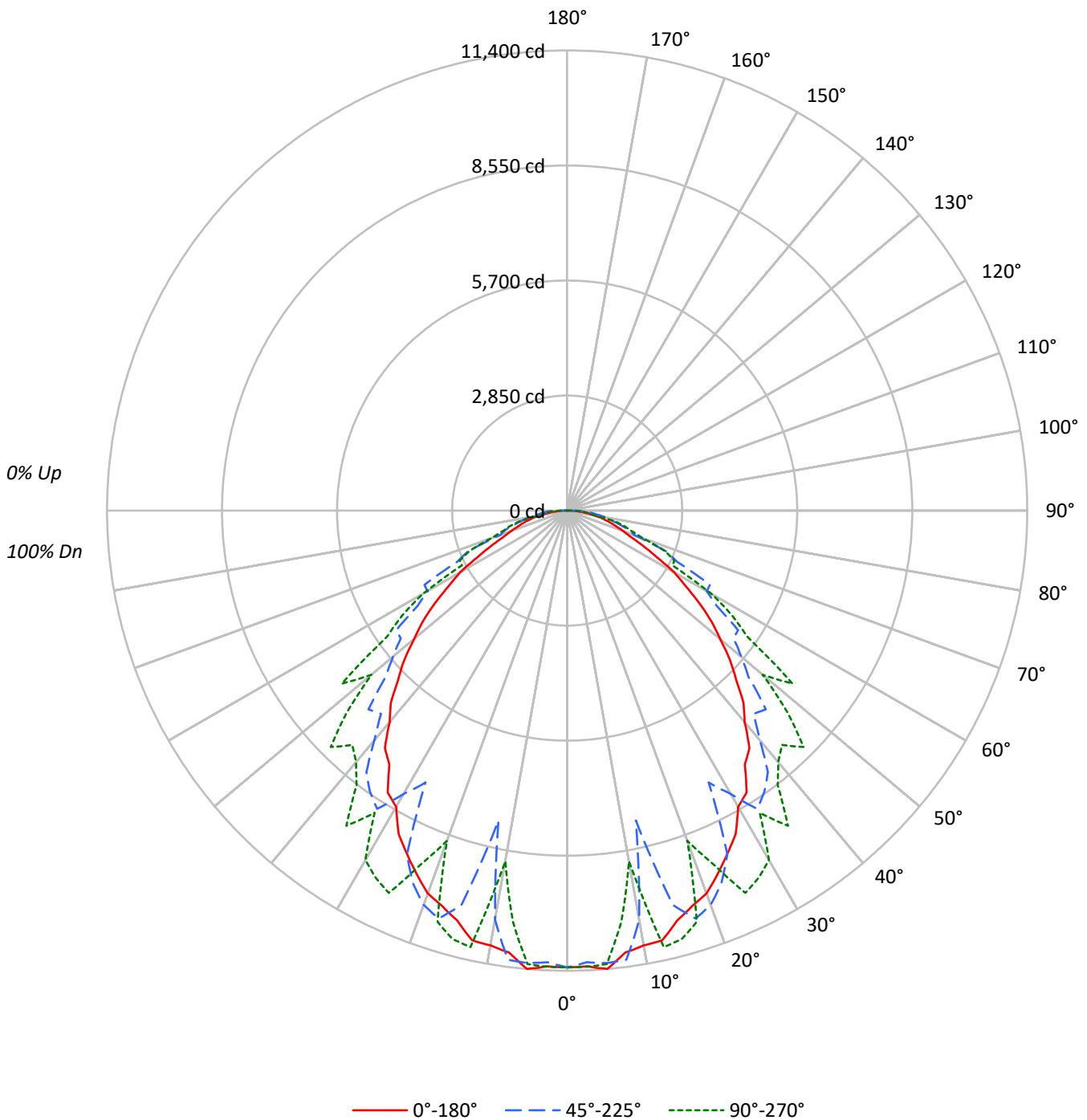
Lumens per Lamp: N/A
Luminaire Lumens: 27496.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.24 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 253.2
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	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	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	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°	16610	16610	16610
5°	16778	16453	16458
10°	16268	15120	12897
15°	15929	15030	16222
20°	15693	15744	13072
25°	15112	14621	16108
30°	14258	13087	15938
35°	13640	14387	15873
40°	12971	13276	14273
45°	12136	13311	15505
50°	11137	11661	12777
55°	10028	11781	12047
60°	8788	10191	10184
65°	7050	8801	8262
70°	6063	6123	6563
75°	5754	5878	5836
80°	5299	5535	3460
85°	4914	4994	3289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.0	3.8
10°-20°	2895.5	10.5
20°-30°	4186.1	15.2
30°-40°	5242.7	19.1
40°-50°	5103.4	18.6
50°-60°	4368.4	15.9
60°-70°	2709.9	9.9
70°-80°	1410.2	5.1
80°-90°	547.8	2.0
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°	8113.6	29.5
0°-40°	13356.3	48.6
0°-60°	22828.2	83.0
0°-90°	27496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11316	11316	11316	11316	11316	
5°	11400	11365	11251	11207	11277	###
15°	10518	10557	10118	11044	10987	2977
25°	9386	7780	9390	9653	10452	4313
35°	7679	8004	8512	8442	9535	4852
45°	5919	5314	6964	7122	8284	4579
55°	3989	4366	5169	6169	5441	3567
65°	2084	2339	3001	2541	2936	2115
75°	1062	1233	1369	1470	1448	1124
85°	334	443	588	676	439	358
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11316.4	11316.4	11316.4	11316.4	11316.4
2.5°	11303.3	11255.0	11202.3	11294.5	11312.0
5°	11399.8	11364.7	11250.6	11206.7	11276.9
7.5°	11044.4	11119.0	11224.3	10653.8	10285.3
10°	10939.1	10899.6	10298.4	7929.0	8819.7
12.5°	10904.0	10855.7	7863.1	11022.4	11075.1
15°	10517.8	10557.3	10118.5	11044.4	10987.3
17.5°	10280.9	9736.8	10596.8	10781.1	10680.2
20°	10092.2	8486.2	10395.0	9903.5	8701.2
22.5°	9745.6	7235.7	9991.3	7946.5	9491.1
25°	9385.7	7779.8	9390.1	9653.4	10452.0
27.5°	9039.1	8815.3	7595.5	10074.6	10263.3
30°	8473.1	8740.7	8104.5	9864.0	9995.7
32.5°	8275.6	8345.8	8762.7	9315.5	8876.7
35°	7678.8	8003.5	8512.5	8442.3	9534.9
37.5°	7415.6	7507.7	8170.3	8889.9	8565.2
40°	6840.8	6981.2	7428.7	7854.4	8130.8
42.5°	6467.8	5998.3	6827.6	7613.0	7876.3
45°	5919.3	5313.8	6963.6	7121.6	8284.4
47.5°	5471.7	5278.7	6094.8	7411.2	7411.2
50°	4949.6	5204.1	5629.7	6621.4	6323.0
52.5°	4502.0	4848.6	5195.3	5756.9	7042.6
55°	3988.6	4366.0	5169.0	6169.4	5441.0
57.5°	3484.0	3804.3	4387.9	4725.8	4853.0
60°	3058.4	3369.9	3988.6	4247.5	4124.6
62.5°	2509.9	2904.8	3988.6	3348.0	2935.5
65°	2084.3	2338.8	3001.3	2540.6	2935.5
67.5°	1711.3	1974.6	2667.8	2452.8	2615.2
70°	1461.2	1649.9	1763.9	2194.0	1987.7
72.5°	1250.6	1386.6	1614.8	1658.6	1649.9
75°	1061.9	1233.0	1369.0	1470.0	1448.0
77.5°	882.0	1123.3	1127.7	1351.5	1176.0
80°	671.4	767.9	974.1	882.0	662.6
82.5°	491.4	601.1	741.6	763.5	583.6
85°	333.5	443.2	588.0	675.7	438.8
87.5°	153.6	302.8	478.3	605.5	399.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)