

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-WG-UNV-L840-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-LD5-32-W-WG-UNV-L840-CD4-U
Description: Metalux 8' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

Light Source: (1) 4000 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

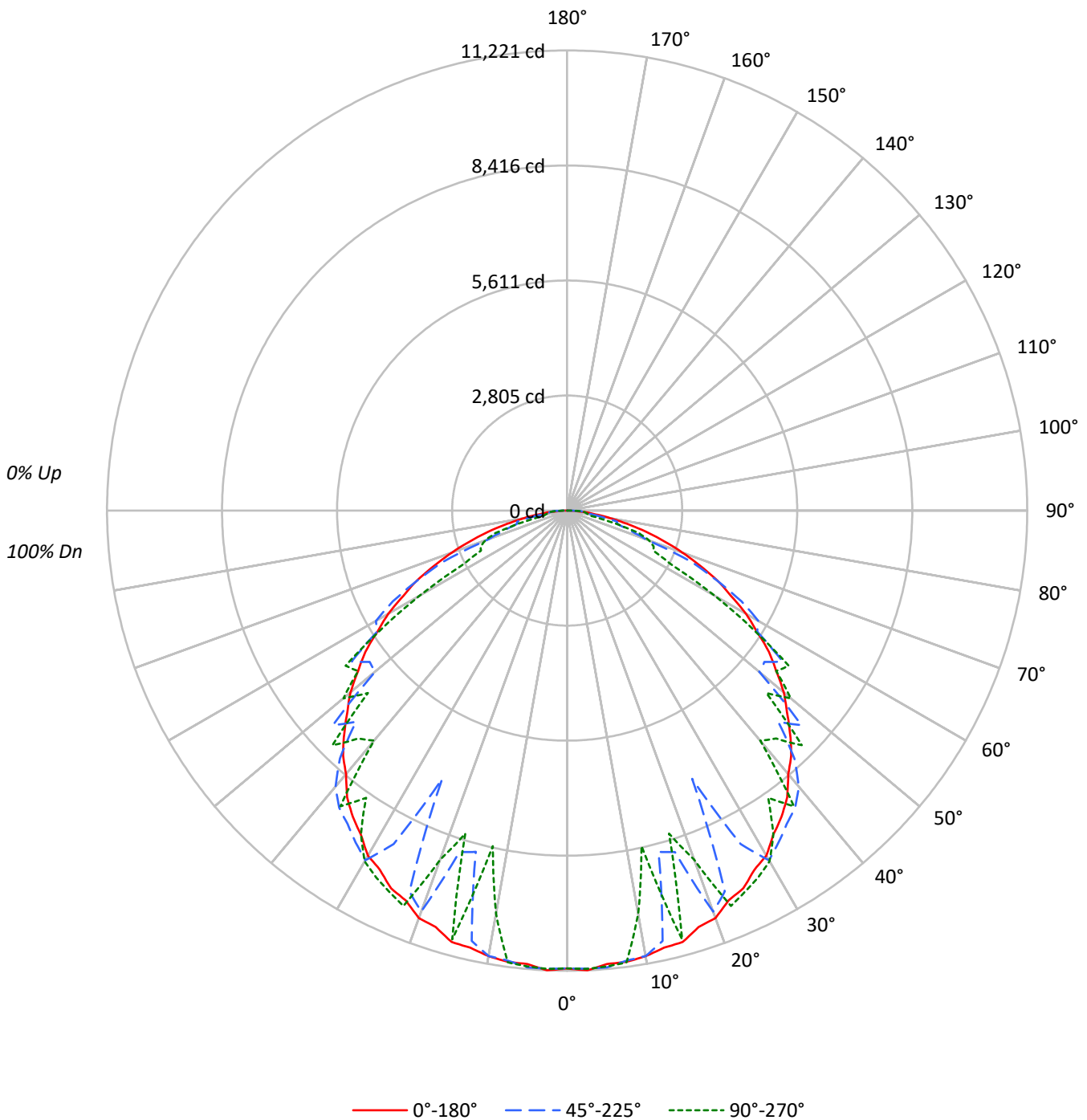
Lumens per Lamp: N/A
Luminaire Lumens: 30695.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 253.2
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	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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	89	87	85					85			
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44					44			
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30					30			
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16385	16385	16385
5°	16337	16351	16286
10°	16408	16192	14602
15°	16493	12798	15979
20°	16439	15762	13617
25°	16367	11235	15810
30°	16344	15893	15743
35°	16188	15773	14232
40°	15905	15702	12854
45°	15765	13920	15146
50°	15519	12664	14390
55°	15113	14619	14607
60°	14469	13758	10278
65°	13717	11760	6526
70°	12368	7039	7020
75°	10768	5439	4817
80°	8514	4527	2781
85°	6463	3536	3221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1057.4	3.4
10°-20°	2823.3	9.2
20°-30°	4377.9	14.3
30°-40°	5612.6	18.3
40°-50°	5747.9	18.7
50°-60°	5450.4	17.8
60°-70°	3491.1	11.4
70°-80°	1696.4	5.5
80°-90°	438.1	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°	8258.6	26.9
0°-40°	13871.2	45.2
0°-60°	25069.4	81.7
0°-90°	30695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11163	11163	11163	11163	11163	
5°	11100	11132	11181	11208	11158	###
15°	10890	10890	8616	10134	10823	3058
25°	10165	8782	7215	10322	10259	4672
35°	9113	9171	9332	9091	8549	5692
45°	7690	7703	7282	7332	8092	5926
55°	6011	6199	6414	6186	6598	5341
65°	4055	3961	4010	2605	2318	3973
75°	1987	2220	1267	1535	1195	2103
85°	439	385	416	439	430	497
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11163.0	11163.0	11163.0	11163.0	11163.0
2.5°	11221.1	11230.1	11180.9	11163.0	11185.3
5°	11100.3	11131.6	11180.9	11207.7	11158.5
7.5°	11095.8	11109.2	11069.0	11216.7	11109.2
10°	11033.2	11109.2	11028.7	10639.3	9985.8
12.5°	10916.8	10930.2	10746.7	7743.4	8378.9
15°	10889.9	10889.9	8616.2	10133.5	10822.8
17.5°	10648.2	10706.4	8732.5	10643.8	8258.1
20°	10572.1	10536.3	10406.5	7537.5	9063.7
22.5°	10285.7	10039.5	10048.5	10473.7	10433.4
25°	10164.8	8781.8	7215.2	10321.5	10258.8
27.5°	9878.4	7362.9	9166.7	10097.7	10084.3
30°	9712.8	7658.3	9842.6	9914.2	9873.9
32.5°	9363.6	8790.7	9596.4	9748.6	9359.2
35°	9113.0	9171.2	9332.3	9090.6	8549.0
37.5°	8813.1	8414.7	9130.9	8289.4	9086.1
40°	8387.9	6557.2	8786.2	8893.7	7322.6
42.5°	8088.0	6418.5	8204.4	6901.9	7541.9
45°	7689.6	7703.1	7282.3	7331.6	8092.5
47.5°	7273.4	7443.5	7747.8	7788.1	6588.6
50°	6897.4	7063.0	6114.1	6602.0	7121.2
52.5°	6427.4	6660.2	6064.9	6816.8	6427.4
55°	6011.2	6199.2	6414.0	6185.7	6597.5
57.5°	5478.5	5778.4	5492.0	6073.8	5362.2
60°	5035.4	5030.9	5384.5	5411.4	4162.6
62.5°	4502.8	4467.0	4789.2	3630.0	2882.5
65°	4055.2	3961.2	4010.4	2605.0	2318.5
67.5°	3495.7	3101.8	3303.2	2175.3	2282.7
70°	2981.0	2963.1	2027.6	1508.4	2126.1
72.5°	2470.7	2690.0	1597.9	1884.4	1839.6
75°	1987.3	2220.1	1266.7	1535.2	1195.1
77.5°	1490.5	1611.3	1248.8	939.9	581.9
80°	1078.7	760.9	796.7	532.6	532.6
82.5°	698.2	626.6	465.5	496.8	470.0
85°	438.6	384.9	416.3	438.6	429.7
87.5°	152.2	264.1	331.2	322.3	295.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)