

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-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-LD5-32-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: 30094.0 lumens
Efficiency: N/A
Efficacy: 118.9 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

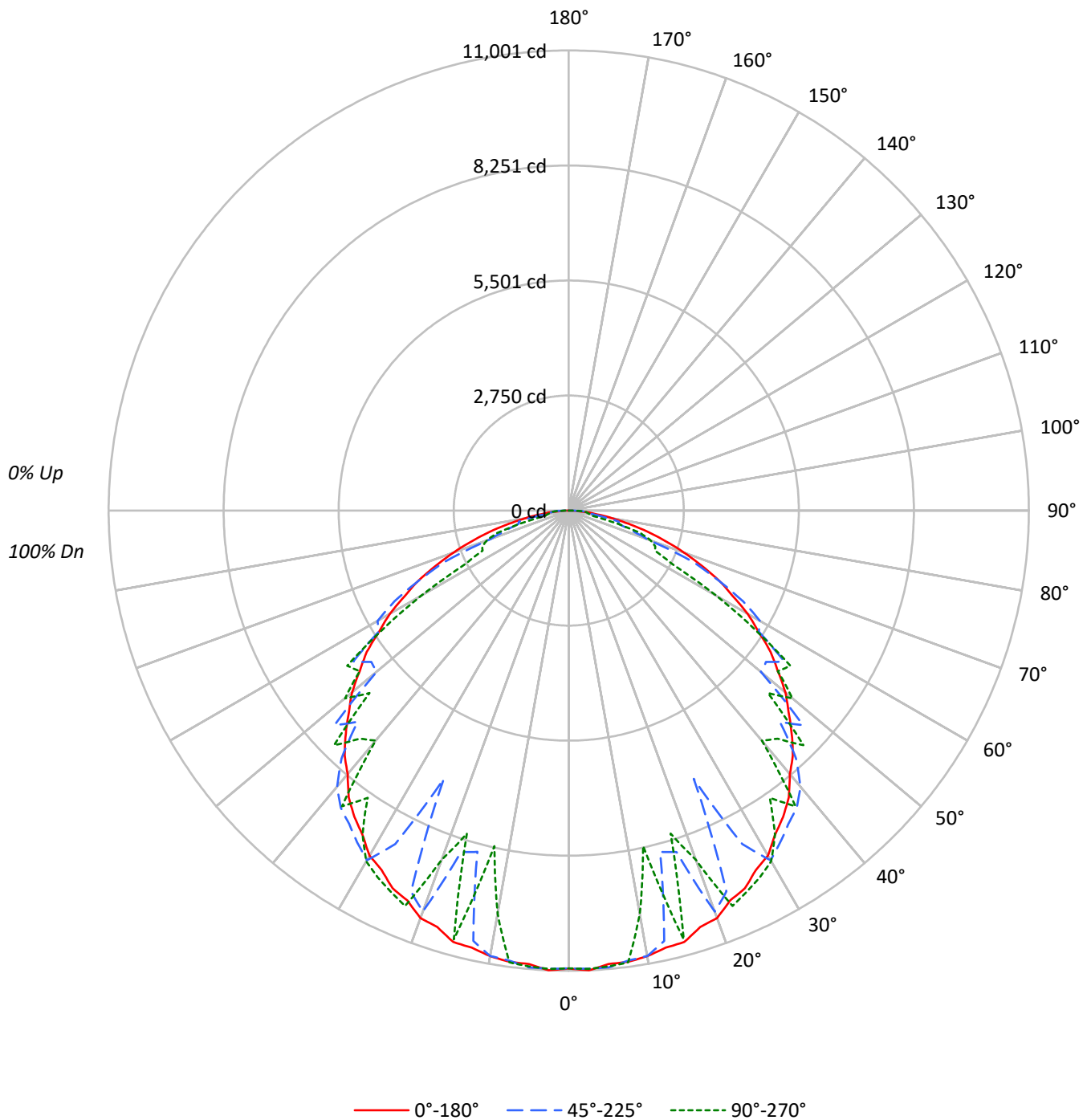
Input Watts (W): 253.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	100	97	106	102	98	95		98	95	92		94	92	89		91	89	87
2	99	91	85	79	97	89	83	78		86	81	76		83	78	75		80	76	73
3	91	80	72	66	88	79	71	65		76	69	64		73	67	63		70	66	62
4	83	71	62	56	81	70	62	55		67	60	55		65	59	54		63	57	53
5	76	63	54	48	74	62	54	48		60	53	47		58	52	47		56	51	46
6	70	57	48	42	68	56	48	41		54	47	41		53	46	41		51	45	40
7	65	52	43	37	63	51	42	37		49	42	36		48	41	36		46	40	36
8	61	47	39	33	59	46	38	33		45	38	32		44	37	32		43	36	32
9	57	43	35	29	55	42	35	29		41	34	29		40	34	29		39	33	29
10	53	40	32	27	52	39	32	26		38	31	26		37	31	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16064	16064	16064
5°	16018	16031	15967
10°	16087	15875	14317
15°	16170	12548	15666
20°	16117	15453	13350
25°	16047	11015	15501
30°	16024	15582	15435
35°	15871	15464	13953
40°	15594	15395	12602
45°	15456	13647	14849
50°	15215	12416	14109
55°	14817	14332	14321
60°	14185	13489	10077
65°	13448	11530	6398
70°	12126	6901	6883
75°	10557	5332	4722
80°	8348	4438	2727
85°	6338	3466	3158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.7	3.4
10°-20°	2768.0	9.2
20°-30°	4292.2	14.3
30°-40°	5502.7	18.3
40°-50°	5635.3	18.7
50°-60°	5343.6	17.8
60°-70°	3422.7	11.4
70°-80°	1663.2	5.5
80°-90°	429.5	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°	8096.9	26.9
0°-40°	13599.6	45.2
0°-60°	24578.6	81.7
0°-90°	30094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10944	10944	10944	10944	10944	
5°	10883	10914	10962	10988	10940	###
15°	10677	10677	8448	9935	10611	2999
25°	9966	8610	7074	10119	10058	4580
35°	8935	8992	9150	8913	8382	5581
45°	7539	7552	7140	7188	7934	5810
55°	5894	6078	6288	6065	6468	5236
65°	3976	3884	3932	2554	2273	3895
75°	1948	2177	1242	1505	1172	2061
85°	430	377	408	430	421	488
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10944.4	10944.4	10944.4	10944.4	10944.4
2.5°	11001.4	11010.2	10961.9	10944.4	10966.3
5°	10883.0	10913.7	10961.9	10988.3	10940.0
7.5°	10878.6	10891.7	10852.2	10997.1	10891.7
10°	10817.1	10891.7	10812.7	10431.0	9790.3
12.5°	10703.0	10716.2	10536.3	7591.7	8214.9
15°	10676.7	10676.7	8447.5	9935.1	10610.9
17.5°	10439.7	10496.8	8561.6	10435.3	8096.4
20°	10365.1	10330.0	10202.8	7389.9	8886.3
22.5°	10084.3	9842.9	9851.7	10268.6	10229.1
25°	9965.8	8609.8	7073.9	10119.4	10058.0
27.5°	9685.0	7218.7	8987.2	9900.0	9886.8
30°	9522.6	7508.4	9649.8	9720.1	9680.6
32.5°	9180.3	8618.6	9408.5	9557.7	9175.9
35°	8934.6	8991.6	9149.6	8912.6	8381.6
37.5°	8640.5	8250.0	8952.1	8127.1	8908.2
40°	8223.7	6428.8	8614.2	8719.5	7179.2
42.5°	7929.6	6292.8	8043.7	6766.7	7394.3
45°	7539.1	7552.2	7139.7	7188.0	7934.0
47.5°	7131.0	7297.7	7596.1	7635.6	6459.6
50°	6762.4	6924.7	5994.4	6472.7	6981.8
52.5°	6301.6	6529.8	5946.1	6683.4	6301.6
55°	5893.5	6077.8	6288.4	6064.6	6468.3
57.5°	5371.3	5665.3	5384.4	5954.9	5257.2
60°	4936.8	4932.4	5279.1	5305.4	4081.1
62.5°	4414.6	4379.5	4695.5	3558.9	2826.1
65°	3975.8	3883.6	3931.9	2554.0	2273.1
67.5°	3427.3	3041.1	3238.6	2132.7	2238.0
70°	2922.6	2905.0	1987.9	1478.9	2084.4
72.5°	2422.3	2637.4	1566.6	1847.5	1803.6
75°	1948.4	2176.6	1241.9	1505.2	1171.7
77.5°	1461.3	1579.8	1224.3	921.5	570.5
80°	1057.6	746.0	781.1	522.2	522.2
82.5°	684.6	614.4	456.4	487.1	460.8
85°	430.1	377.4	408.1	430.1	421.3
87.5°	149.2	258.9	324.7	316.0	289.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)