

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-TWB-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 (P34175)
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-TWB-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH THIN WHITE BAFFLE DISTRIBUTION

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

Summary

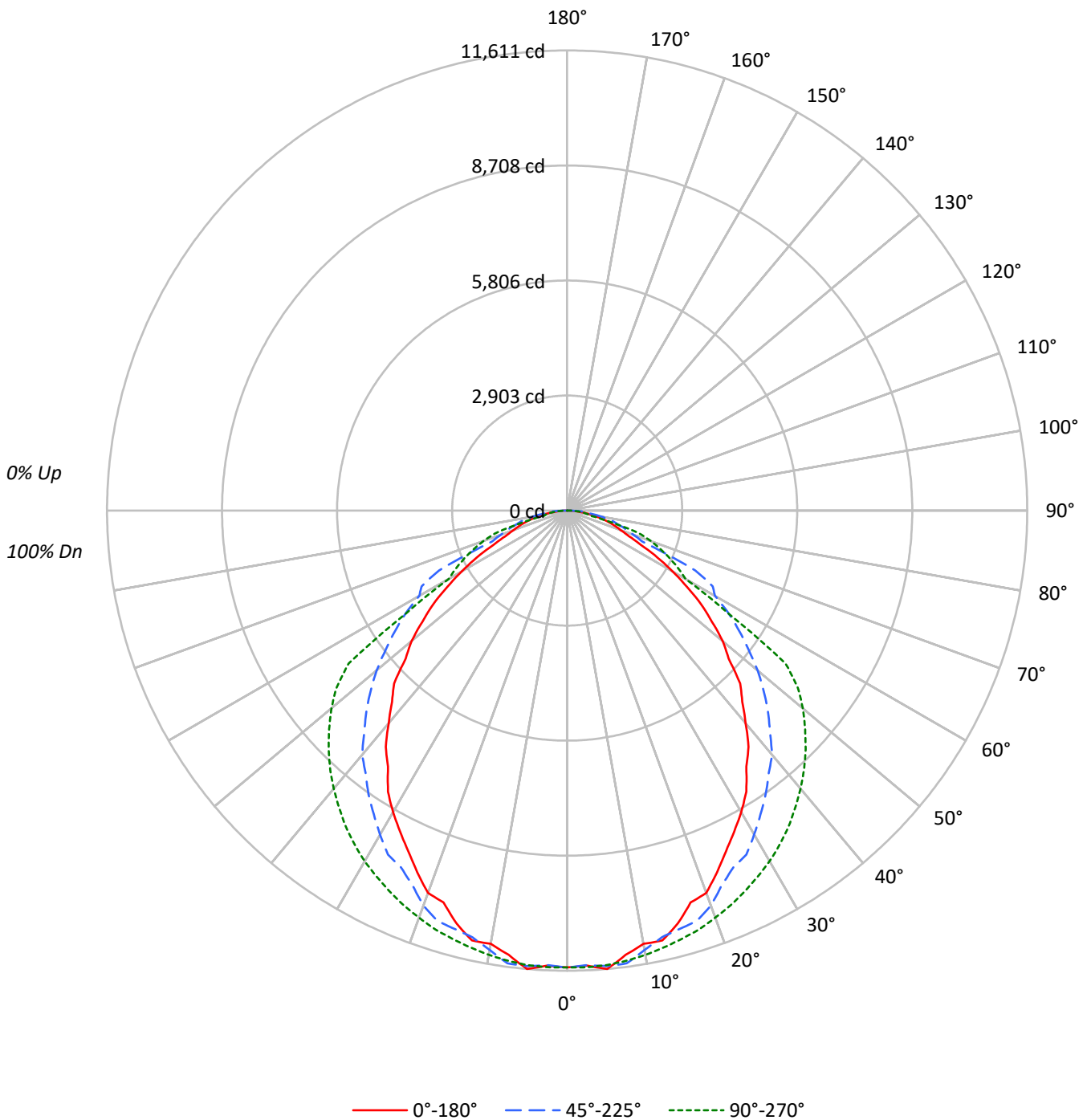
Lumens per Lamp: N/A
Luminaire Lumens: 29071.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.32 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	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	50	60	54	49	58	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16920	16920	16920
5°	17089	16871	16799
10°	16511	16526	16645
15°	16336	16236	16515
20°	15967	16064	16422
25°	15269	15456	16339
30°	14783	15241	16288
35°	13999	14766	16210
40°	13288	14375	16084
45°	12658	13697	15925
50°	11532	12997	15687
55°	10382	12102	14894
60°	8826	10999	8516
65°	6961	10462	8053
70°	5954	6170	7404
75°	5683	5615	4669
80°	5195	4962	2750
85°	4138	3727	2336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1092.0	3.8
10°-20°	3100.5	10.7
20°-30°	4627.9	15.9
30°-40°	5508.6	18.9
40°-50°	5569.7	19.2
50°-60°	4692.8	16.1
60°-70°	2711.6	9.3
70°-80°	1338.5	4.6
80°-90°	429.3	1.5
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°	8820.5	30.3
0°-40°	14329.1	49.3
0°-60°	24591.6	84.6
0°-90°	29071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11528	11528	11528	11528	11528	
5°	11611	11637	11536	11480	11510	###
15°	10786	10953	10931	11225	11186	3028
25°	9483	9658	9926	10409	10602	4379
35°	7881	8202	8737	9478	9737	4958
45°	6174	6363	7166	8026	8509	4685
55°	4129	4454	5310	6332	6727	3665
65°	2058	2510	3568	2681	2861	2119
75°	1049	1290	1308	1439	1158	1102
85°	281	347	439	522	312	322
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11527.7	11527.7	11527.7	11527.7	11527.7
2.5°	11492.6	11505.8	11479.5	11545.3	11532.1
5°	11611.1	11637.4	11536.5	11479.5	11510.2
7.5°	11308.3	11365.4	11523.3	11448.7	11457.5
10°	11102.1	11110.9	11255.7	11488.2	11382.9
12.5°	11110.9	11093.3	11027.5	11426.8	11290.8
15°	10786.1	10952.9	10930.9	11225.0	11185.5
17.5°	10369.3	10531.6	10860.7	11023.1	11080.1
20°	10268.3	10211.3	10606.2	10764.2	10930.9
22.5°	9877.8	10106.0	10215.7	10566.7	10781.7
25°	9482.8	9658.4	9926.1	10408.8	10601.8
27.5°	9127.4	9316.1	9790.0	10259.6	10413.1
30°	8785.1	8960.7	9439.0	10070.9	10215.7
32.5°	8412.1	8631.5	9083.5	9842.7	9987.5
35°	7881.2	8201.5	8736.9	9478.5	9737.4
37.5°	7516.9	7727.6	8355.1	9092.3	9452.1
40°	7007.9	7345.8	8043.5	8793.9	9162.5
42.5°	6538.4	6871.9	7574.0	8420.9	8850.9
45°	6174.2	6362.9	7165.9	8026.0	8508.7
47.5°	5524.7	6003.0	6722.7	7604.7	8144.5
50°	5125.4	5454.5	6275.1	7201.0	7762.7
52.5°	4607.6	4976.2	5770.5	6753.4	7337.0
55°	4129.3	4454.0	5309.7	6332.1	6727.1
57.5°	3585.1	4002.0	4831.4	5853.8	4800.7
60°	3071.7	3488.6	4304.8	3953.7	3449.1
62.5°	2580.2	2948.9	4142.4	2975.2	3163.9
65°	2058.1	2510.0	3567.6	2681.2	2861.1
67.5°	1689.4	2005.4	2058.1	2400.3	2558.3
70°	1434.9	1588.5	1777.2	2128.3	2242.4
72.5°	1246.2	1312.1	1544.6	1891.3	1908.9
75°	1048.8	1290.1	1307.7	1439.3	1158.5
77.5°	838.1	1040.0	1132.1	838.1	592.4
80°	658.2	706.5	873.2	737.2	526.6
82.5°	456.4	522.2	605.6	636.3	434.4
85°	280.8	346.7	438.8	522.2	311.6
87.5°	118.5	188.7	302.8	403.7	171.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)