

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-LD5-22-W-FLWG-UNV-L835-CD2-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 (P34182)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-22-W-FLWG-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH FROSTED ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

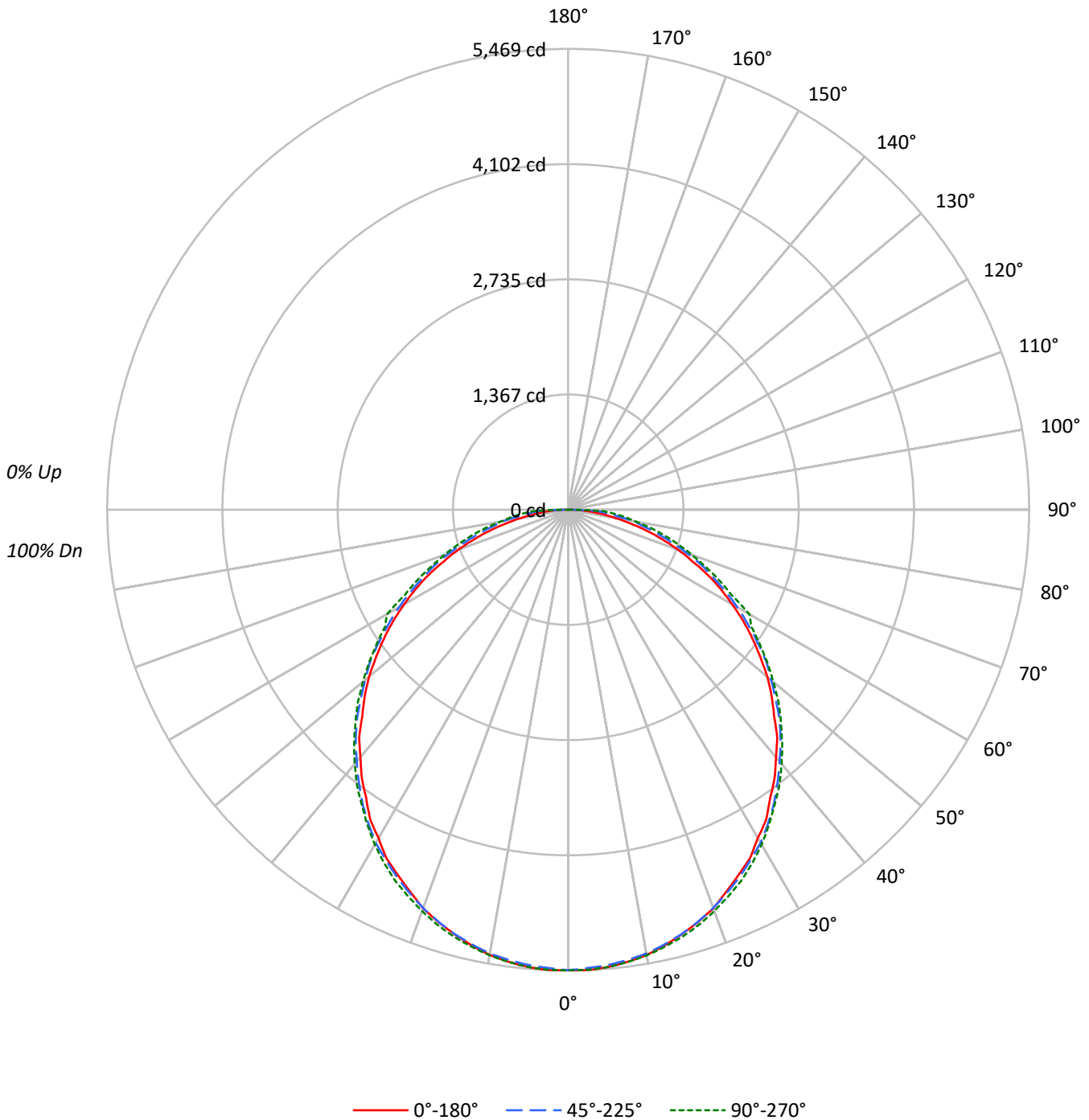
Lumens per Lamp: N/A
Luminaire Lumens: 15543.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 167.7
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8022	8022	8022
5°	8018	7932	7951
10°	7977	7849	7853
15°	7898	7742	7744
20°	7826	7619	7615
25°	7701	7489	7486
30°	7571	7371	7317
35°	7421	7191	7108
40°	7271	6976	6914
45°	7079	6782	6680
50°	6937	6510	6423
55°	6710	6252	6133
60°	6460	5927	6133
65°	6172	5561	5556
70°	5753	5176	5139
75°	5235	4698	4771
80°	4519	4456	4251
85°	3867	3849	4045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.8	3.3
10°-20°	1474.0	9.5
20°-30°	2219.8	14.3
30°-40°	2654.7	17.1
40°-50°	2726.3	17.5
50°-60°	2448.4	15.8
60°-70°	1883.9	12.1
70°-80°	1161.2	7.5
80°-90°	457.9	2.9
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°	4210.6	27.1
0°-40°	6865.3	44.2
0°-60°	12040.0	77.5
0°-90°	15543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5466	5466	5466	5466	5466	
5°	5448	5445	5424	5445	5448	517
15°	5215	5224	5212	5233	5245	1472
25°	4783	4789	4810	4845	4857	2206
35°	4178	4237	4255	4270	4270	2620
45°	3453	3507	3548	3563	3569	2675
55°	2669	2704	2743	2773	2770	2386
65°	1825	1843	1896	1962	1974	1800
75°	966	1017	1094	1166	1184	1021
85°	262	349	453	519	540	300
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5465.6	5465.6	5465.6	5465.6	5465.6
2.5°	5468.6	5465.6	5444.7	5459.6	5465.6
5°	5447.7	5444.7	5423.9	5444.7	5447.7
7.5°	5411.9	5411.9	5391.1	5411.9	5414.9
10°	5364.2	5364.2	5346.3	5364.2	5370.2
12.5°	5295.6	5301.6	5283.7	5304.6	5310.6
15°	5215.1	5224.1	5212.2	5233.0	5245.0
17.5°	5128.7	5131.6	5125.7	5152.5	5164.4
20°	5033.2	5030.3	5030.3	5066.0	5069.0
22.5°	4905.0	4919.9	4922.9	4961.7	4964.7
25°	4782.8	4788.7	4809.6	4845.4	4857.3
27.5°	4666.5	4663.5	4684.4	4717.2	4729.1
30°	4499.5	4529.3	4565.1	4577.0	4589.0
32.5°	4368.3	4377.3	4413.0	4425.0	4433.9
35°	4177.5	4237.1	4255.0	4269.9	4269.9
37.5°	4022.4	4055.2	4079.1	4105.9	4117.8
40°	3834.6	3876.3	3903.2	3930.0	3938.9
42.5°	3670.6	3697.4	3730.2	3751.1	3757.0
45°	3452.9	3506.6	3548.3	3563.2	3569.2
47.5°	3274.0	3333.6	3339.6	3375.4	3384.3
50°	3083.2	3127.9	3142.8	3184.5	3178.6
52.5°	2871.5	2925.1	2960.9	2972.8	2975.8
55°	2668.7	2704.5	2743.2	2773.1	2770.1
57.5°	2463.0	2492.8	2525.6	2570.3	2573.3
60°	2248.3	2284.0	2319.8	2364.6	2483.8
62.5°	2039.5	2060.4	2102.2	2188.6	2179.7
65°	1824.8	1842.7	1896.4	1962.0	1973.9
67.5°	1592.3	1628.1	1708.6	1750.3	1756.3
70°	1386.5	1419.3	1490.9	1544.6	1556.5
72.5°	1168.9	1207.6	1285.1	1353.7	1371.6
75°	966.1	1016.8	1094.3	1165.9	1183.8
77.5°	757.4	823.0	915.4	1088.3	1004.9
80°	572.5	647.0	784.2	805.1	814.0
82.5°	408.5	489.0	587.4	659.0	682.8
85°	262.4	348.9	453.2	518.8	539.7
87.5°	146.1	229.6	339.9	405.5	423.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)