

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-LD5-28-W-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 (P34173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-28-W-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH OPEN WIDE DISTRIBUTION

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27359.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

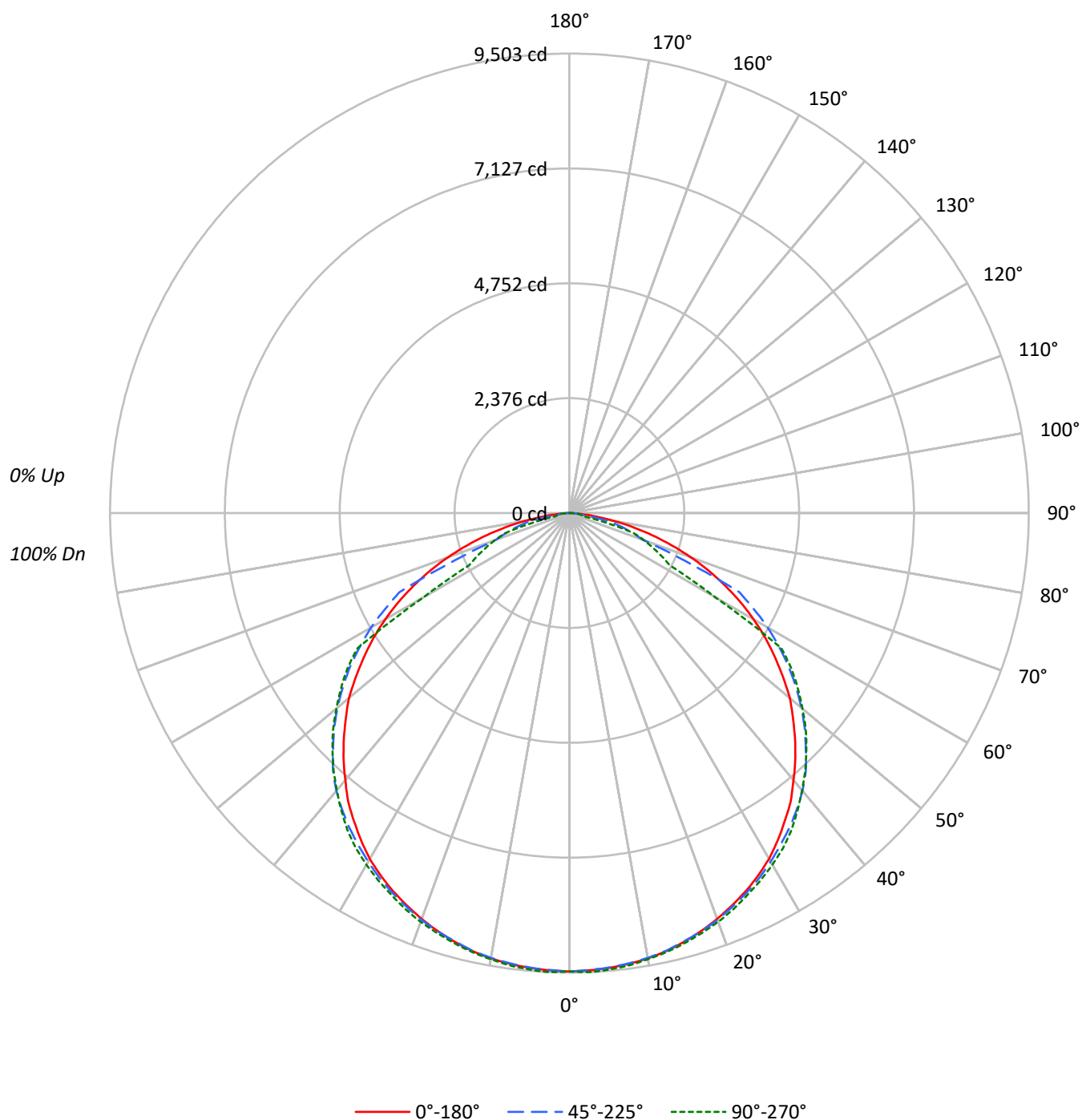
Input Watts (W): 204
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80	97	90	84	79		86	81	77		83	79	75		80	77	73
3	91	81	73	66	89	79	72	66		76	70	65		73	68	64		71	66	62
4	83	71	63	56	81	70	62	56		68	61	55		65	59	54		63	58	54
5	77	64	55	48	74	63	54	48		61	53	48		59	52	47		57	51	47
6	71	57	48	42	69	56	48	42		55	47	42		53	46	41		51	45	41
7	65	52	43	37	64	51	43	37		50	42	37		48	41	36		47	41	36
8	61	47	39	33	59	47	38	33		45	38	33		44	37	32		43	37	32
9	57	43	35	30	55	43	35	30		42	34	29		41	34	29		39	33	29
10	53	40	32	27	52	39	32	27		38	31	27		37	31	26		37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13916	13916	13916
5°	13898	13798	13831
10°	13908	13714	13704
15°	13901	13617	13596
20°	13891	13559	13517
25°	13891	13493	13430
30°	13895	13443	13389
35°	13802	13420	13325
40°	13674	13408	13143
45°	13531	13221	12974
50°	13397	12982	12719
55°	13033	12624	12406
60°	12650	12117	8614
65°	12030	11393	5909
70°	11076	5571	5411
75°	9574	4863	3378
80°	7242	2896	1380
85°	3783	1475	1273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.3	3.3
10°-20°	2596.7	9.5
20°-30°	4003.7	14.6
30°-40°	4957.6	18.1
40°-50°	5277.5	19.3
50°-60°	4869.8	17.8
60°-70°	3118.0	11.4
70°-80°	1404.5	5.1
80°-90°	231.9	0.8
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°	7499.7	27.4
0°-40°	12457.3	45.5
0°-60°	22604.6	82.6
0°-90°	27359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9481	9481	9481	9481	9481	
5°	9443	9458	9435	9462	9477	899
15°	9179	9194	9167	9213	9209	2592
25°	8627	8650	8665	8722	8714	3979
35°	7770	7850	7940	8023	8004	4864
45°	6600	6736	6917	6962	6932	5092
55°	5184	5373	5539	5630	5603	4636
65°	3557	3727	3885	2145	2099	3512
75°	1767	1922	1133	1163	838	1878
85°	257	193	174	185	170	374
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9480.7	9480.7	9480.7	9480.7	9480.7
2.5°	9465.6	9484.4	9458.0	9484.4	9503.3
5°	9442.9	9458.0	9435.3	9461.8	9476.9
7.5°	9405.1	9420.2	9393.8	9420.2	9435.3
10°	9352.3	9359.8	9341.0	9367.4	9371.2
12.5°	9276.8	9284.3	9269.2	9295.6	9299.4
15°	9178.6	9193.7	9167.3	9212.6	9208.8
17.5°	9065.3	9080.4	9069.1	9103.1	9106.9
20°	8933.2	8948.3	8952.1	8993.6	8997.4
22.5°	8785.9	8808.6	8812.4	8869.0	8865.2
25°	8627.4	8650.0	8665.1	8721.7	8714.2
27.5°	8453.7	8483.9	8506.5	8563.2	8563.2
30°	8257.3	8298.9	8325.3	8400.8	8397.0
32.5°	8023.3	8102.5	8132.7	8227.1	8219.6
35°	7770.3	7849.6	7940.2	8023.3	8004.4
37.5°	7521.1	7600.4	7725.0	7774.1	7751.4
40°	7211.5	7343.6	7502.2	7521.1	7487.1
42.5°	6917.0	7022.7	7237.9	7249.2	7219.0
45°	6599.8	6735.8	6917.0	6962.3	6932.1
47.5°	6271.4	6388.4	6599.8	6656.5	6633.8
50°	5954.2	6059.9	6267.6	6324.2	6294.0
52.5°	5565.3	5723.9	5901.3	5992.0	5958.0
55°	5184.0	5372.7	5538.9	5629.5	5603.1
57.5°	4802.6	5010.3	5134.9	5259.5	5195.3
60°	4402.4	4606.3	4742.2	4685.6	3488.7
62.5°	3987.1	4183.4	4296.7	2880.8	2337.1
65°	3556.7	3726.6	3885.1	2144.6	2099.3
67.5°	3118.7	3288.6	2586.3	1906.7	1865.2
70°	2669.4	2828.0	1604.7	1661.3	1638.6
72.5°	2216.3	2367.3	1378.1	1442.3	1412.1
75°	1767.0	1921.8	1132.7	1162.9	838.2
77.5°	1347.9	1325.3	913.7	641.9	286.9
80°	917.5	611.7	509.7	268.1	264.3
82.5°	570.1	411.5	215.2	237.9	234.1
85°	256.7	192.6	173.7	185.0	169.9
87.5°	90.6	94.4	105.7	98.2	90.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)