

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-CL-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 (P34177)
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-CL-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME DISTRIBUTION

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19830.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.33 / 1.43
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

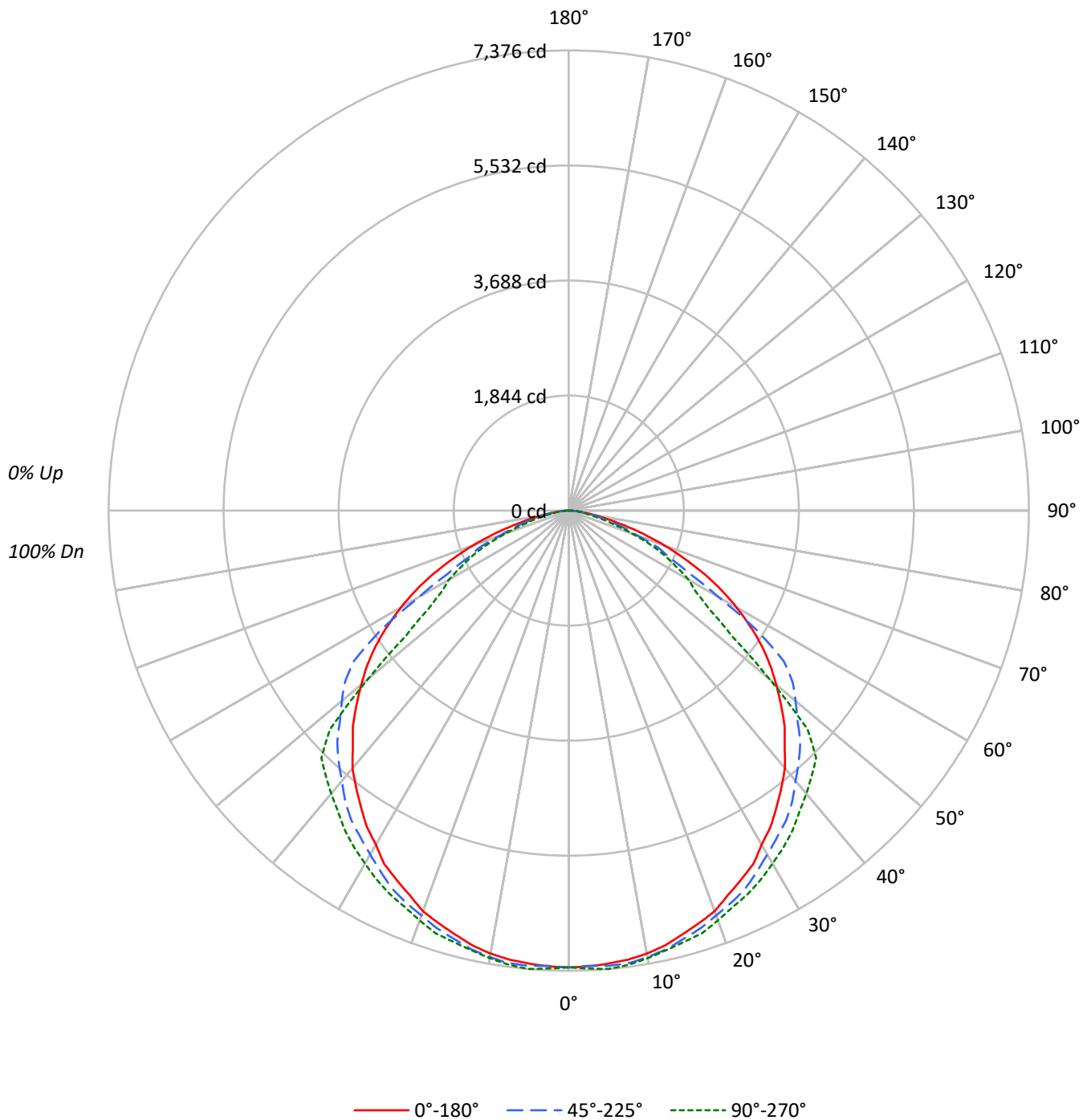
Input Watts (W): 167.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	89	80	73	67		77	71	66		75	70	65		72	68	64
4	84	73	64	58	82	72	64	58		69	62	57		67	61	56		65	60	55
5	78	65	57	50	76	64	56	50		62	55	49		60	54	49		58	53	48
6	72	59	50	44	70	58	50	44		56	49	43		54	48	43		53	47	43
7	67	53	45	39	65	53	44	39		51	44	38		50	43	38		48	42	38
8	62	49	40	35	60	48	40	34		47	39	34		45	39	34		44	38	34
9	58	45	37	31	56	44	36	31		43	36	31		42	35	31		41	35	31
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10748	10748	10748
5°	10729	10713	10765
10°	10721	10672	10651
15°	10652	10558	10565
20°	10626	10463	10499
25°	10513	10418	10453
30°	10405	10278	10416
35°	10311	10259	10413
40°	10221	10108	10399
45°	10031	10030	10496
50°	9767	9831	8489
55°	9482	9588	6073
60°	8935	7085	5484
65°	8078	5202	4767
70°	6779	4088	3584
75°	5024	3034	2391
80°	3271	2135	1495
85°	1714	1292	1118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.8	3.5
10°-20°	2011.8	10.1
20°-30°	3080.0	15.5
30°-40°	3791.2	19.1
40°-50°	4018.2	20.3
50°-60°	3227.1	16.3
60°-70°	2005.7	10.1
70°-80°	825.4	4.2
80°-90°	173.0	0.9
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°	5789.5	29.2
0°-40°	9580.7	48.3
0°-60°	16826.0	84.9
0°-90°	19830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7322	7322	7322	7322	7322	
5°	7290	7308	7325	7364	7376	693
15°	7033	7132	7108	7156	7156	1988
25°	6529	6598	6690	6765	6783	3012
35°	5805	5948	6070	6222	6255	3635
45°	4893	5000	5247	5498	5608	3764
55°	3772	3938	4207	3002	2743	3357
65°	2388	2558	1774	1684	1694	2353
75°	927	853	707	632	593	1017
85°	116	143	152	152	149	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7322.5	7322.5	7322.5	7322.5	7322.5
2.5°	7310.5	7319.5	7304.6	7337.4	7346.3
5°	7289.7	7307.6	7325.4	7364.2	7376.1
7.5°	7259.9	7298.6	7319.5	7343.3	7343.3
10°	7209.2	7268.8	7268.8	7277.7	7283.7
12.5°	7137.6	7218.1	7203.2	7209.2	7218.1
15°	7033.3	7131.7	7107.8	7155.5	7155.5
17.5°	6934.9	7018.4	7021.3	7081.0	7101.8
20°	6833.5	6902.1	6908.0	6994.5	6988.5
22.5°	6669.5	6773.9	6803.7	6851.4	6875.2
25°	6529.4	6598.0	6690.4	6764.9	6782.8
27.5°	6395.2	6451.9	6526.4	6654.6	6669.5
30°	6183.5	6302.8	6365.4	6535.4	6532.4
32.5°	6016.6	6123.9	6213.4	6377.3	6401.2
35°	5804.9	5948.0	6070.3	6222.3	6255.1
37.5°	5599.2	5730.4	5882.4	6031.5	6076.2
40°	5390.5	5509.7	5655.8	5834.7	5924.2
42.5°	5122.1	5268.2	5459.1	5664.8	5766.1
45°	4892.6	4999.9	5247.4	5497.8	5608.1
47.5°	4615.3	4755.4	4973.1	5292.1	5190.7
50°	4341.0	4502.0	4746.5	4794.2	4200.9
52.5°	4069.7	4230.7	4525.9	3792.4	3285.6
55°	3771.5	3938.5	4206.8	3002.3	2742.9
57.5°	3446.6	3604.6	3580.7	2492.5	2403.1
60°	3109.7	3264.7	2772.8	2182.4	2221.2
62.5°	2760.8	2927.8	2176.5	1994.6	1935.0
65°	2388.1	2558.1	1774.0	1684.5	1693.5
67.5°	2000.6	2143.7	1556.3	1437.1	1407.2
70°	1633.8	1675.6	1177.7	1144.9	1085.3
72.5°	1267.1	1213.5	936.2	864.6	802.0
75°	927.2	852.7	706.6	632.1	593.3
77.5°	644.0	590.3	509.8	536.7	396.5
80°	414.4	384.6	375.7	298.1	286.2
82.5°	244.5	241.5	232.6	214.7	208.7
85°	116.3	143.1	152.1	152.1	149.1
87.5°	41.7	71.6	95.4	101.4	107.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)