

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-LD5-18-W-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 (P34173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-18-W-UNV-L835-CD2-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: 17678.0 lumens
Efficiency: N/A
Efficacy: 134.6 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

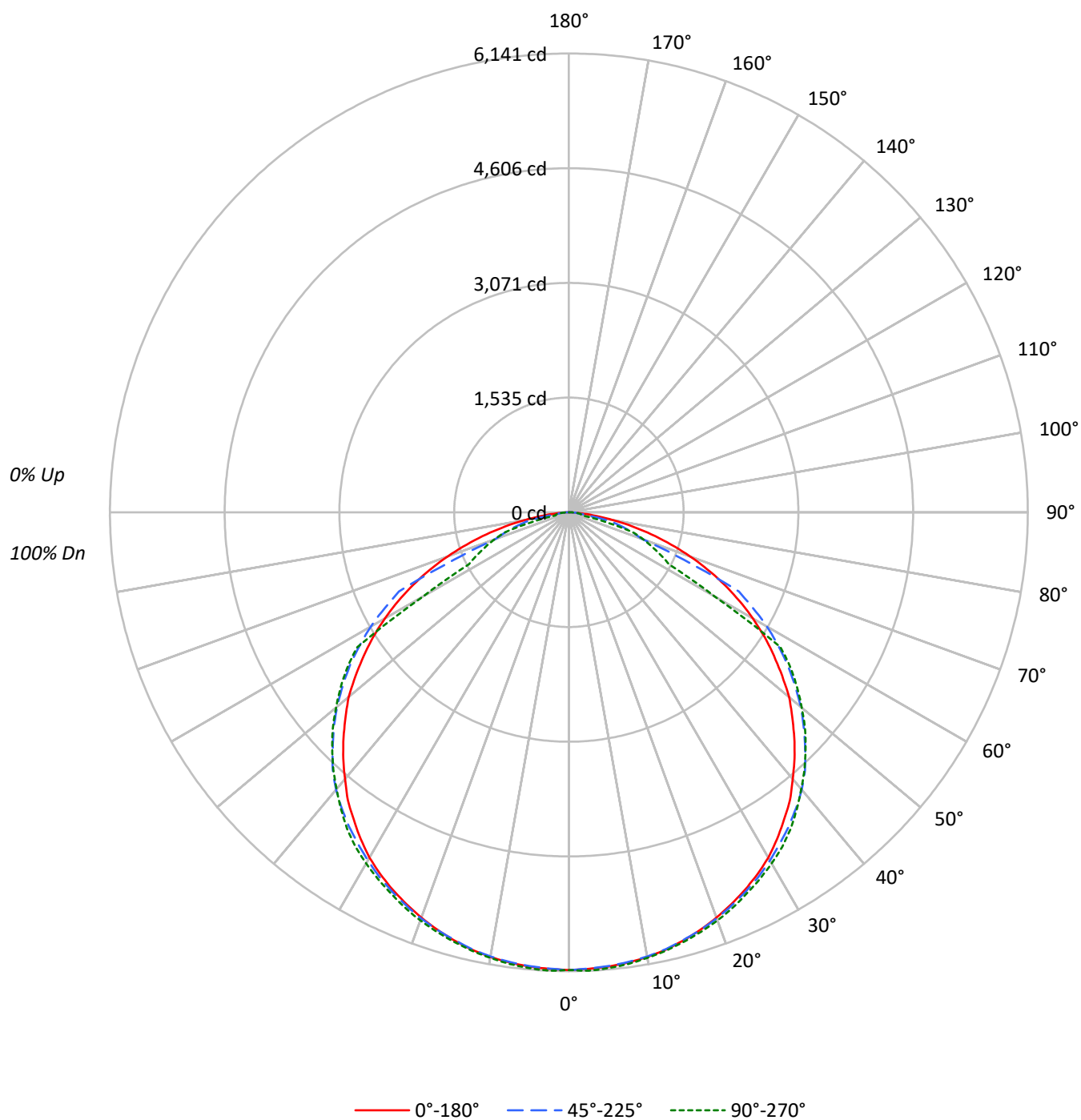
Input Watts (W): 131.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8992	8992	8992
5°	8980	8916	8937
10°	8987	8862	8855
15°	8982	8798	8785
20°	8975	8761	8734
25°	8976	8718	8678
30°	8978	8686	8651
35°	8919	8671	8610
40°	8836	8663	8492
45°	8743	8543	8383
50°	8656	8388	8218
55°	8421	8157	8016
60°	8174	7829	5566
65°	7773	7362	3818
70°	7156	3599	3496
75°	6186	3142	2183
80°	4679	1872	892
85°	2445	953	823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.1	3.3
10°-20°	1677.8	9.5
20°-30°	2587.0	14.6
30°-40°	3203.4	18.1
40°-50°	3410.0	19.3
50°-60°	3146.6	17.8
60°-70°	2014.7	11.4
70°-80°	907.5	5.1
80°-90°	149.9	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°	4845.9	27.4
0°-40°	8049.3	45.5
0°-60°	14606.0	82.6
0°-90°	17678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6126	6126	6126	6126	6126	
5°	6102	6111	6097	6114	6124	581
15°	5931	5940	5923	5953	5950	1675
25°	5575	5589	5599	5636	5631	2571
35°	5021	5072	5130	5184	5172	3143
45°	4264	4352	4469	4499	4479	3290
55°	3350	3472	3579	3638	3620	2996
65°	2298	2408	2510	1386	1356	2270
75°	1142	1242	732	751	542	1213
85°	166	124	112	120	110	242
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6125.9	6125.9	6125.9	6125.9	6125.9
2.5°	6116.2	6128.4	6111.3	6128.4	6140.6
5°	6101.5	6111.3	6096.6	6113.7	6123.5
7.5°	6077.1	6086.9	6069.8	6086.9	6096.6
10°	6043.0	6047.8	6035.7	6052.7	6055.2
12.5°	5994.2	5999.1	5989.3	6006.4	6008.8
15°	5930.7	5940.5	5923.4	5952.7	5950.3
17.5°	5857.6	5867.3	5860.0	5882.0	5884.4
20°	5772.2	5781.9	5784.4	5811.2	5813.6
22.5°	5677.0	5691.7	5694.1	5730.7	5728.3
25°	5574.6	5589.2	5599.0	5635.6	5630.7
27.5°	5462.3	5481.9	5496.5	5533.1	5533.1
30°	5335.5	5362.3	5379.4	5428.2	5425.7
32.5°	5184.2	5235.5	5255.0	5316.0	5311.1
35°	5020.8	5072.0	5130.5	5184.2	5172.0
37.5°	4859.7	4911.0	4991.5	5023.2	5008.6
40°	4659.7	4745.1	4847.6	4859.7	4837.8
42.5°	4469.4	4537.7	4676.8	4684.1	4664.6
45°	4264.5	4352.3	4469.4	4498.7	4479.2
47.5°	4052.2	4127.9	4264.5	4301.1	4286.4
50°	3847.3	3915.6	4049.8	4086.4	4066.9
52.5°	3596.0	3698.5	3813.1	3871.7	3849.7
55°	3349.6	3471.6	3578.9	3637.5	3620.4
57.5°	3103.2	3237.4	3317.9	3398.4	3356.9
60°	2844.6	2976.4	3064.2	3027.6	2254.2
62.5°	2576.3	2703.1	2776.3	1861.4	1510.1
65°	2298.1	2407.9	2510.4	1385.7	1356.4
67.5°	2015.1	2124.9	1671.1	1232.0	1205.2
70°	1724.8	1827.3	1036.8	1073.4	1058.8
72.5°	1432.1	1529.6	890.5	931.9	912.4
75°	1141.7	1241.8	731.9	751.4	541.6
77.5°	870.9	856.3	590.4	414.7	185.4
80°	592.8	395.2	329.4	173.2	170.8
82.5°	368.4	265.9	139.1	153.7	151.3
85°	165.9	124.4	112.2	119.5	109.8
87.5°	58.6	61.0	68.3	63.4	58.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)