

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-N-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 (P34185)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-32-N-TWB-UNV-L835-CD4-U
Description: Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE DISTRIBUTION

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

Summary

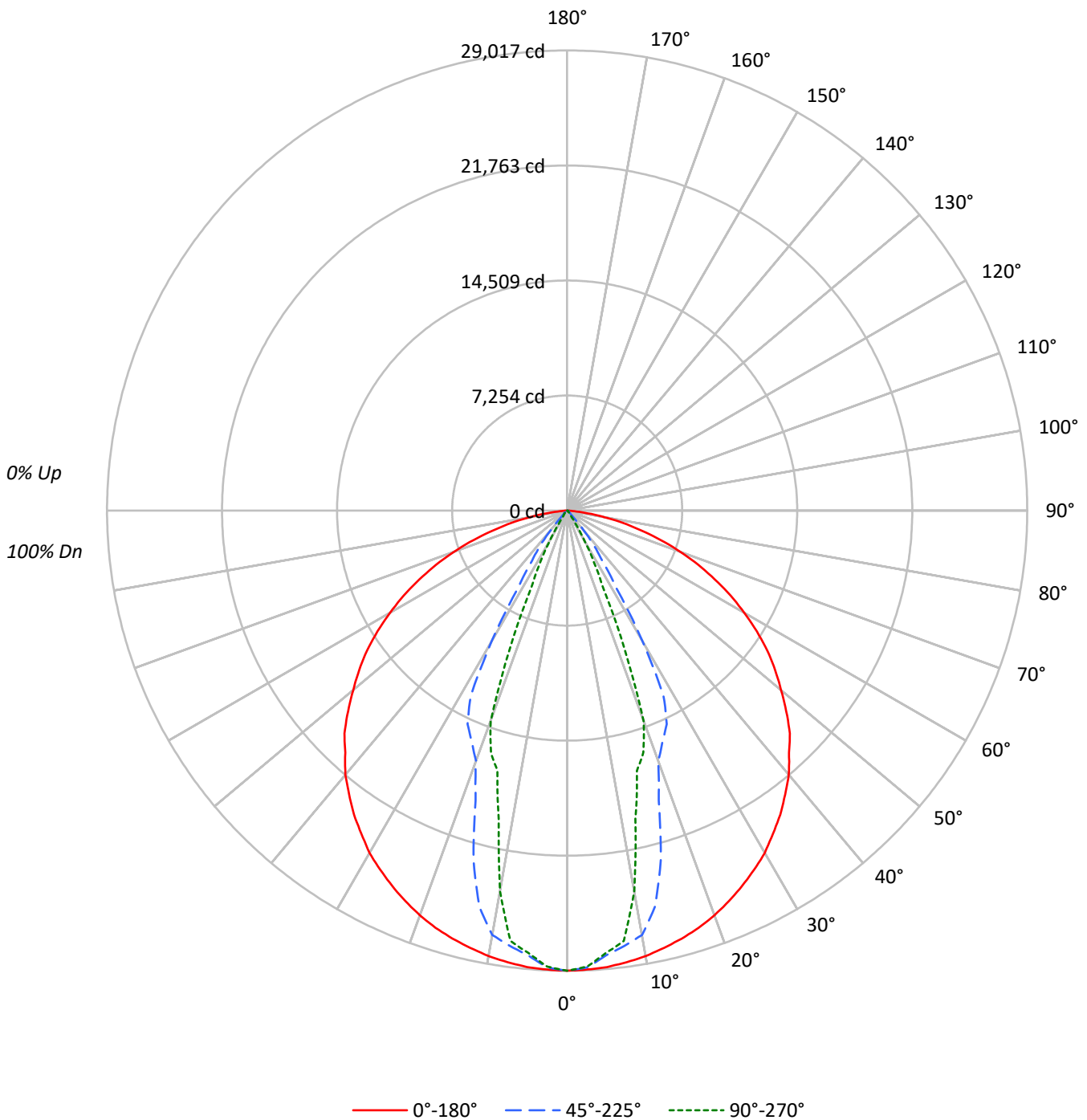
Lumens per Lamp: N/A
Luminaire Lumens: 29185.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.59 / 0.77
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 253.2
Input Voltage (V):
Input Current (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				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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86		90	87	84		87	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	70		77	72	69		75	71	68	66
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70	66	62	60
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65	61	57	55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	73	62	55	50	71	61	54	50	60	54	50		59	53	49		58	53	49	48
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42591	42591	42591
5°	42526	41166	40870
10°	42420	39894	35615
15°	42315	33877	25078
20°	42230	25450	21203
25°	42039	23142	8233
30°	41943	15328	3509
35°	41608	6529	775
40°	41247	2881	553
45°	40721	689	256
50°	39625	426	138
55°	38767	271	141
60°	37051	245	147
65°	34765	255	154
70°	31467	269	166
75°	26126	314	184
80°	18922	363	167
85°	6392	388	205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2665.5	9.1
10°-20°	6361.8	21.8
20°-30°	6956.0	23.8
30°-40°	5034.0	17.2
40°-50°	3756.8	12.9
50°-60°	2193.7	7.5
60°-70°	1363.8	4.7
70°-80°	711.3	2.4
80°-90°	142.1	0.5
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°	15983.3	54.8
0°-40°	21017.3	72.0
0°-60°	26967.8	92.4
0°-90°	29185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29017	29017	29017	29017	29017	
5°	28894	28789	28149	28063	28003	###
15°	27939	26958	22807	17835	16986	7890
25°	26108	22163	14862	7748	5342	12043
35°	23424	14287	3863	836	466	14645
45°	19862	9338	361	247	137	15251
55°	15419	1808	119	137	64	13728
65°	10278	151	87	82	55	10162
75°	4822	91	73	59	46	5168
85°	434	59	46	41	27	822
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29017.0	29017.0	29017.0	29017.0	29017.0
2.5°	28971.3	29007.9	28834.3	28834.3	28784.1
5°	28893.7	28788.7	28149.4	28062.7	28003.3
7.5°	28724.8	28313.8	27688.3	27574.1	27377.8
10°	28523.9	27802.4	27172.3	25546.8	24355.1
12.5°	28240.8	27377.8	25592.5	21565.3	19912.4
15°	27939.4	26957.7	22807.2	17834.8	16985.6
17.5°	27583.3	26400.7	19186.4	16355.4	15990.2
20°	27158.6	25496.6	16802.9	15337.2	14113.5
22.5°	26660.9	24094.8	15725.3	12748.3	9447.1
25°	26108.4	22163.4	14862.4	7748.5	5342.2
27.5°	25528.6	19880.4	13154.7	4707.6	3648.2
30°	24925.8	17533.5	9492.7	3374.3	2200.8
32.5°	24154.2	15615.8	5757.7	1899.5	981.7
35°	23423.6	14287.0	3862.8	835.6	465.7
37.5°	22578.9	13369.3	2821.8	442.9	328.8
40°	21752.5	12474.3	1611.8	333.3	315.1
42.5°	20711.4	11360.2	680.3	315.1	223.7
45°	19862.1	9337.5	360.7	246.6	137.0
47.5°	18738.9	6392.4	242.0	191.8	86.8
50°	17611.1	3949.6	205.5	150.7	68.5
52.5°	16538.1	2616.3	150.7	141.5	63.9
55°	15419.4	1808.1	118.7	137.0	63.9
57.5°	14177.5	890.4	100.5	132.4	59.4
60°	12894.4	347.0	95.9	127.8	59.4
62.5°	11625.1	191.8	91.3	105.0	54.8
65°	10278.1	150.7	86.8	82.2	54.8
67.5°	8944.8	123.3	82.2	77.6	54.8
70°	7584.1	109.6	77.6	68.5	50.2
72.5°	6196.1	100.5	73.1	68.5	45.7
75°	4821.7	91.3	73.1	59.4	45.7
77.5°	3607.1	86.8	68.5	59.4	36.5
80°	2397.2	77.6	63.9	50.2	32.0
82.5°	1324.1	73.1	54.8	45.7	32.0
85°	433.8	59.4	45.7	41.1	27.4
87.5°	68.5	41.1	36.5	36.5	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)