

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-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-LD5-32-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: 31796.0 lumens
Efficiency: N/A
Efficacy: 125.6 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

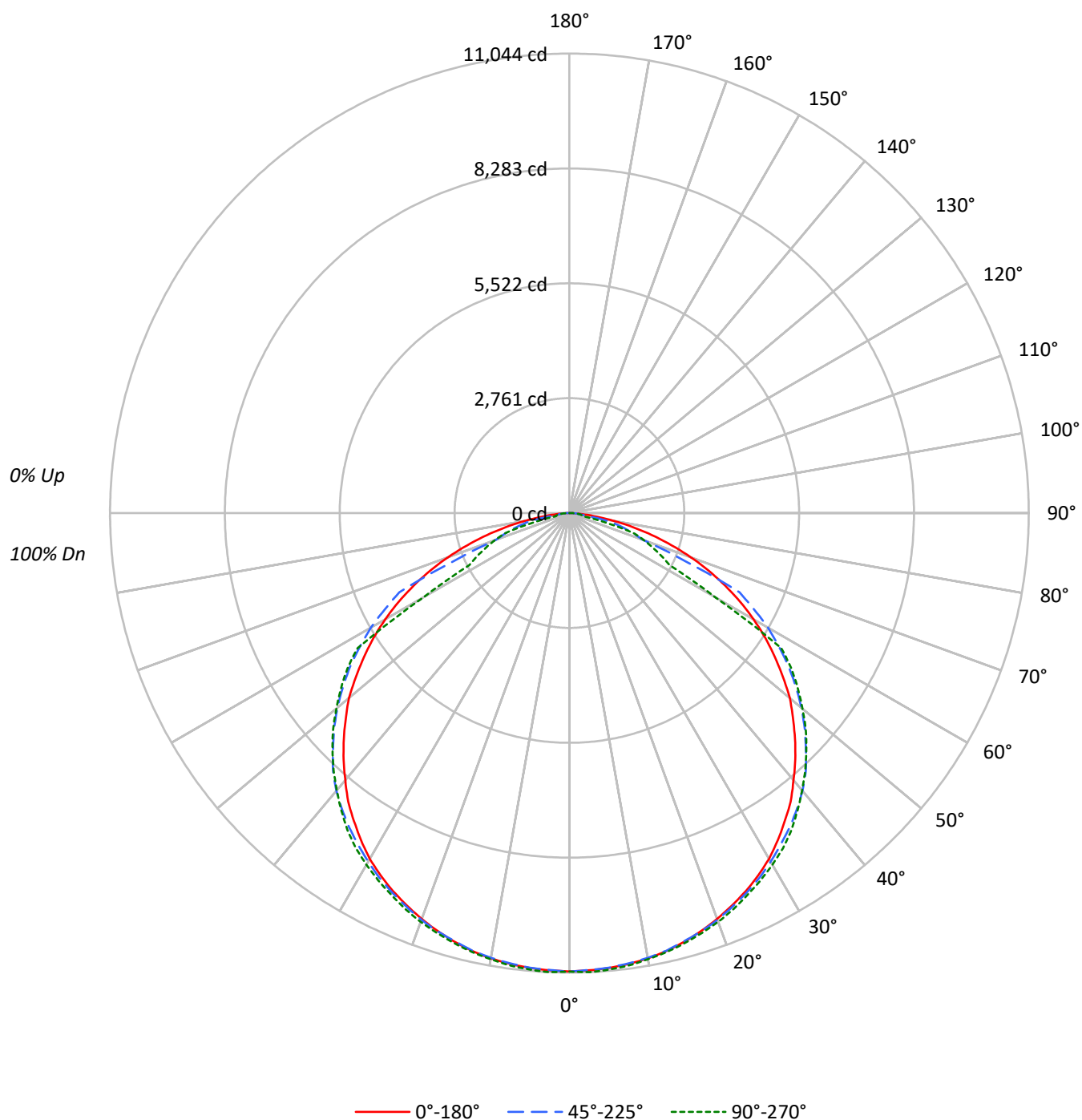
Input Watts (W): 253.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-32-W-UNV-L835-CD4-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-32-W-UNV-L835-CD4-U

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60		60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51		51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44		44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39		39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34		34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30		30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27		27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16173	16173	16173
5°	16152	16036	16074
10°	16164	15938	15926
15°	16156	15825	15801
20°	16143	15758	15709
25°	16144	15681	15608
30°	16148	15623	15560
35°	16041	15596	15486
40°	15892	15582	15274
45°	15725	15366	15078
50°	15569	15087	14781
55°	15147	14672	14418
60°	14701	14082	10011
65°	13981	13241	6867
70°	12872	6474	6288
75°	11127	5652	3926
80°	8417	3366	1604
85°	4397	1714	1480



TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-32-W-UNV-L835-CD4-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1045.2	3.3
10°-20°	3017.8	9.5
20°-30°	4653.0	14.6
30°-40°	5761.6	18.1
40°-50°	6133.3	19.3
50°-60°	5659.6	17.8
60°-70°	3623.7	11.4
70°-80°	1632.2	5.1
80°-90°	269.5	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°	8716.0	27.4
0°-40°	14477.6	45.5
0°-60°	26270.6	82.6
0°-90°	31796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11018	11018	11018	11018	11018	
5°	10974	10992	10966	10996	11014	###
15°	10667	10685	10654	10707	10702	3013
25°	10026	10053	10070	10136	10127	4624
35°	9030	9123	9228	9324	9302	5652
45°	7670	7828	8039	8091	8056	5918
55°	6025	6244	6437	6542	6512	5388
65°	4134	4331	4515	2492	2440	4082
75°	2054	2234	1316	1352	974	2182
85°	298	224	202	215	198	435
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-32-W-UNV-L835-CD4-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11018.2	11018.2	11018.2	11018.2	11018.2
2.5°	11000.6	11022.6	10991.9	11022.6	11044.5
5°	10974.3	10991.9	10965.5	10996.3	11013.8
7.5°	10930.4	10948.0	10917.3	10948.0	10965.5
10°	10869.0	10877.8	10855.8	10886.6	10890.9
12.5°	10781.2	10790.0	10772.5	10803.2	10807.6
15°	10667.2	10684.7	10654.0	10706.7	10702.3
17.5°	10535.5	10553.1	10539.9	10579.4	10583.8
20°	10381.9	10399.5	10403.9	10452.1	10456.5
22.5°	10210.8	10237.1	10241.5	10307.3	10303.0
25°	10026.5	10052.8	10070.4	10136.2	10127.4
27.5°	9824.7	9859.8	9886.1	9951.9	9951.9
30°	9596.5	9644.8	9675.5	9763.2	9758.8
32.5°	9324.4	9416.6	9451.7	9561.4	9552.6
35°	9030.4	9122.6	9227.9	9324.4	9302.5
37.5°	8740.8	8833.0	8977.8	9034.8	9008.5
40°	8381.0	8534.6	8718.9	8740.8	8701.3
42.5°	8038.8	8161.6	8411.7	8424.9	8389.8
45°	7670.2	7828.1	8038.8	8091.4	8056.3
47.5°	7288.4	7424.4	7670.2	7736.0	7709.7
50°	6919.8	7042.7	7284.0	7349.9	7314.7
52.5°	6467.9	6652.2	6858.4	6963.7	6924.2
55°	6024.7	6244.1	6437.2	6542.5	6511.8
57.5°	5581.5	5822.8	5967.6	6112.4	6037.8
60°	5116.4	5353.3	5511.3	5445.5	4054.5
62.5°	4633.7	4861.9	4993.5	3348.0	2716.2
65°	4133.5	4330.9	4515.2	2492.4	2439.7
67.5°	3624.5	3821.9	3005.8	2215.9	2167.7
70°	3102.3	3286.6	1864.9	1930.7	1904.4
72.5°	2575.7	2751.3	1601.6	1676.2	1641.1
75°	2053.6	2233.5	1316.4	1351.5	974.1
77.5°	1566.5	1540.2	1061.9	746.0	333.5
80°	1066.3	710.9	592.4	311.5	307.2
82.5°	662.6	478.3	250.1	276.4	272.1
85°	298.4	223.8	201.8	215.0	197.5
87.5°	105.3	109.7	122.9	114.1	105.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)