

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: PORTFOLIO

Report Number: P246679

Luminaire Tested: **LD8B15D010 ER8B15827 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15827 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1437.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

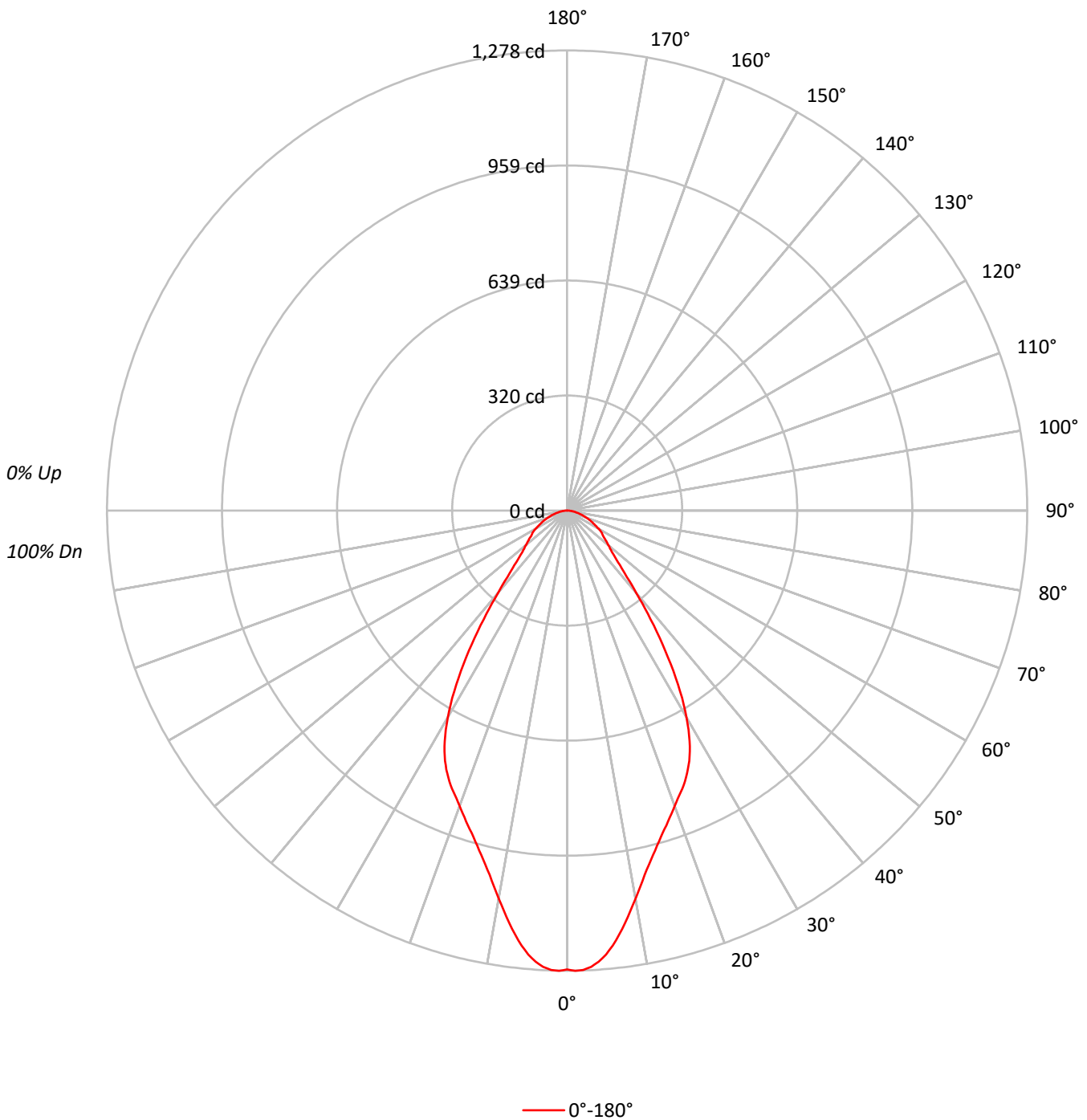
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246679

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBM0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246679

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBM0MW

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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39307
5°	38312
10°	34249
15°	30778
20°	28664
25°	27002
30°	23611
35°	17889
40°	12016
45°	8469
50°	7182
55°	6548
60°	6204
65°	5582
70°	5022
75°	4515
80°	3978
85°	3821



TEST NUMBER: P246679

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	7.9
10°-20°	271.9	18.9
20°-30°	360.3	25.1
30°-40°	295.4	20.6
40°-50°	157.4	11.0
50°-60°	110.8	7.7
60°-70°	76.4	5.3
70°-80°	39.8	2.8
80°-90°	11.8	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°	745.5	51.9
0°-40°	1040.9	72.4
0°-60°	1309.1	91.1
0°-90°	1437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1275	
5°	1238	113
15°	964	272
25°	794	360
35°	475	295
45°	194	157
55°	122	111
65°	76	76
75°	38	40
85°	11	12
90°	0	



TEST NUMBER: P246679

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBM0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1274.7
1°	1278.4
2°	1276.8
3°	1269.2
4°	1256.3
5°	1237.7
6°	1214.4
7°	1186.5
8°	1156.5
9°	1124.7
10°	1093.8
11°	1064.3
12°	1034.4
13°	1009.4
14°	985.7
15°	964.1
16°	943.7
17°	925.0
18°	907.5
19°	890.1
20°	873.5
21°	857.2
22°	843.1
23°	828.6
24°	811.6
25°	793.6
26°	773.3
27°	750.4
28°	724.6
29°	695.9
30°	663.1
31°	628.6
32°	592.4
33°	553.8
34°	515.0
35°	475.2
37.5°	380.8
40°	298.5
42.5°	235.7
45°	194.2
47.5°	166.8
50°	149.7
52.5°	134.8
55°	121.8
57.5°	113.9



TEST NUMBER: P246679

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBM0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	100.6
62.5°	87.7
65°	76.5
67.5°	66.5
70°	55.7
72.5°	46.5
75°	37.9
77.5°	27.4
80°	22.4
82.5°	16.2
85°	10.8
87.5°	5.0
90°	0.0

(END OF REPORT)