

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: P246703

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246703
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: LSR8B15D010 EC8B15850 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1552.0 lumens
Efficiency: N/A
Efficacy: 107.8 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

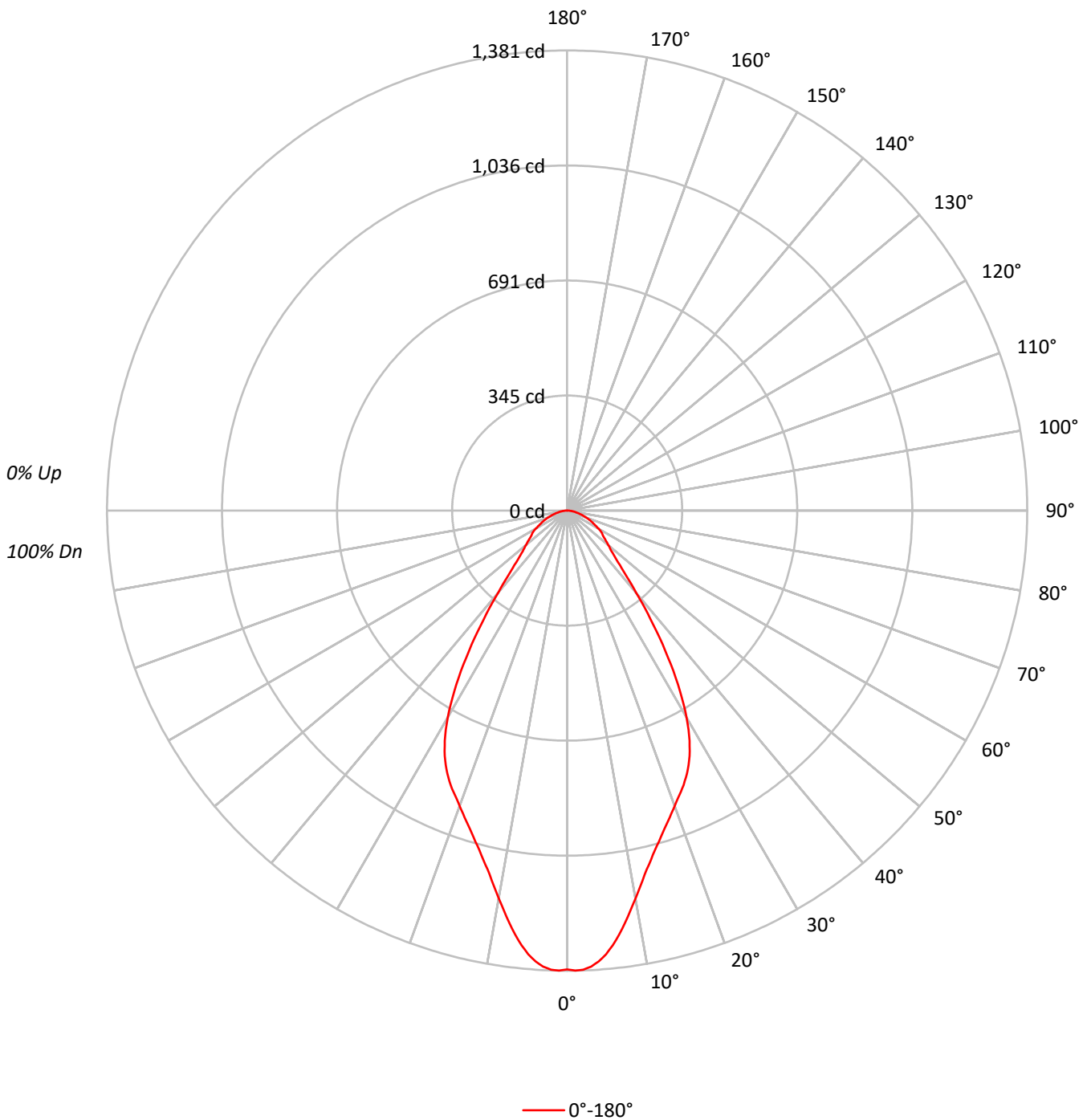
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	42455
5°	41376
10°	36992
15°	33243
20°	30958
25°	29165
30°	25498
35°	19323
40°	12978
45°	9145
50°	7757
55°	7075
60°	6704
65°	6027
70°	5428
75°	4873
80°	4297
85°	4140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	7.9
10°-20°	293.7	18.9
20°-30°	389.1	25.1
30°-40°	319.1	20.6
40°-50°	170.0	11.0
50°-60°	119.6	7.7
60°-70°	82.5	5.3
70°-80°	42.9	2.8
80°-90°	12.7	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°	805.1	51.9
0°-40°	1124.2	72.4
0°-60°	1413.8	91.1
0°-90°	1552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1377	
5°	1337	122
15°	1041	294
25°	857	389
35°	513	319
45°	210	170
55°	132	120
65°	83	82
75°	41	43
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1376.8
1°	1380.7
2°	1379.0
3°	1370.8
4°	1356.8
5°	1336.7
6°	1311.6
7°	1281.5
8°	1249.1
9°	1214.7
10°	1181.4
11°	1149.5
12°	1117.2
13°	1090.2
14°	1064.6
15°	1041.3
16°	1019.3
17°	999.0
18°	980.2
19°	961.4
20°	943.4
21°	925.8
22°	910.5
23°	894.9
24°	876.5
25°	857.2
26°	835.2
27°	810.4
28°	782.5
29°	751.6
30°	716.1
31°	678.9
32°	639.8
33°	598.1
34°	556.2
35°	513.3
37.5°	411.3
40°	322.4
42.5°	254.6
45°	209.7
47.5°	180.1
50°	161.7
52.5°	145.5
55°	131.6
57.5°	123.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	108.7
62.5°	94.7
65°	82.6
67.5°	71.9
70°	60.2
72.5°	50.2
75°	40.9
77.5°	29.6
80°	24.2
82.5°	17.5
85°	11.7
87.5°	5.4
90°	0.0

(END OF REPORT)