

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: P246691

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246691
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 EC8B15835 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1532.0 lumens
Efficiency: N/A
Efficacy: 106.4 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

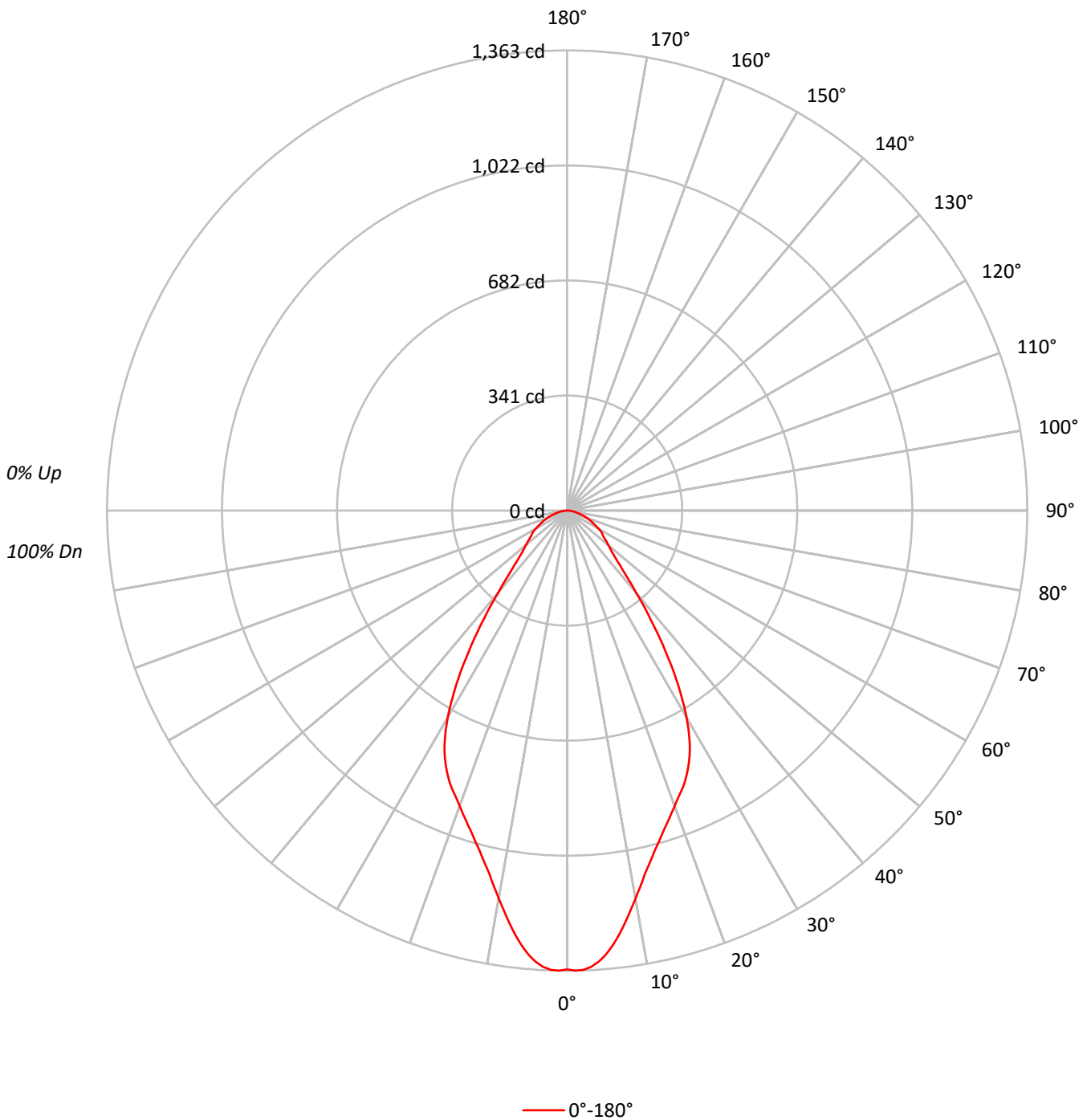
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41907
5°	40844
10°	36513
15°	32812
20°	30558
25°	28788
30°	25170
35°	19071
40°	12809
45°	9027
50°	7656
55°	6984
60°	6617
65°	5954
70°	5355
75°	4813
80°	4244
85°	4069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	7.9
10°-20°	289.9	18.9
20°-30°	384.1	25.1
30°-40°	315.0	20.6
40°-50°	167.8	11.0
50°-60°	118.1	7.7
60°-70°	81.4	5.3
70°-80°	42.4	2.8
80°-90°	12.6	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°	794.8	51.9
0°-40°	1109.7	72.4
0°-60°	1395.6	91.1
0°-90°	1532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1359	
5°	1320	121
15°	1028	290
25°	846	384
35°	507	315
45°	207	168
55°	130	118
65°	82	81
75°	40	42
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1359.0
1°	1362.9
2°	1361.2
3°	1353.2
4°	1339.4
5°	1319.5
6°	1294.7
7°	1264.9
8°	1233.0
9°	1199.0
10°	1166.1
11°	1134.7
12°	1102.8
13°	1076.1
14°	1050.9
15°	1027.8
16°	1006.1
17°	986.1
18°	967.5
19°	949.0
20°	931.2
21°	913.9
22°	898.8
23°	883.4
24°	865.2
25°	846.1
26°	824.4
27°	800.0
28°	772.5
29°	741.9
30°	706.9
31°	670.1
32°	631.6
33°	590.4
34°	549.1
35°	506.6
37.5°	406.0
40°	318.2
42.5°	251.3
45°	207.0
47.5°	177.8
50°	159.6
52.5°	143.7
55°	129.9
57.5°	121.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	107.3
62.5°	93.5
65°	81.6
67.5°	70.9
70°	59.4
72.5°	49.6
75°	40.4
77.5°	29.2
80°	23.9
82.5°	17.3
85°	11.5
87.5°	5.4
90°	0.0

(END OF REPORT)