

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: P246733

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246733
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 EC8B15950 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1413.0 lumens
Efficiency: N/A
Efficacy: 98.1 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

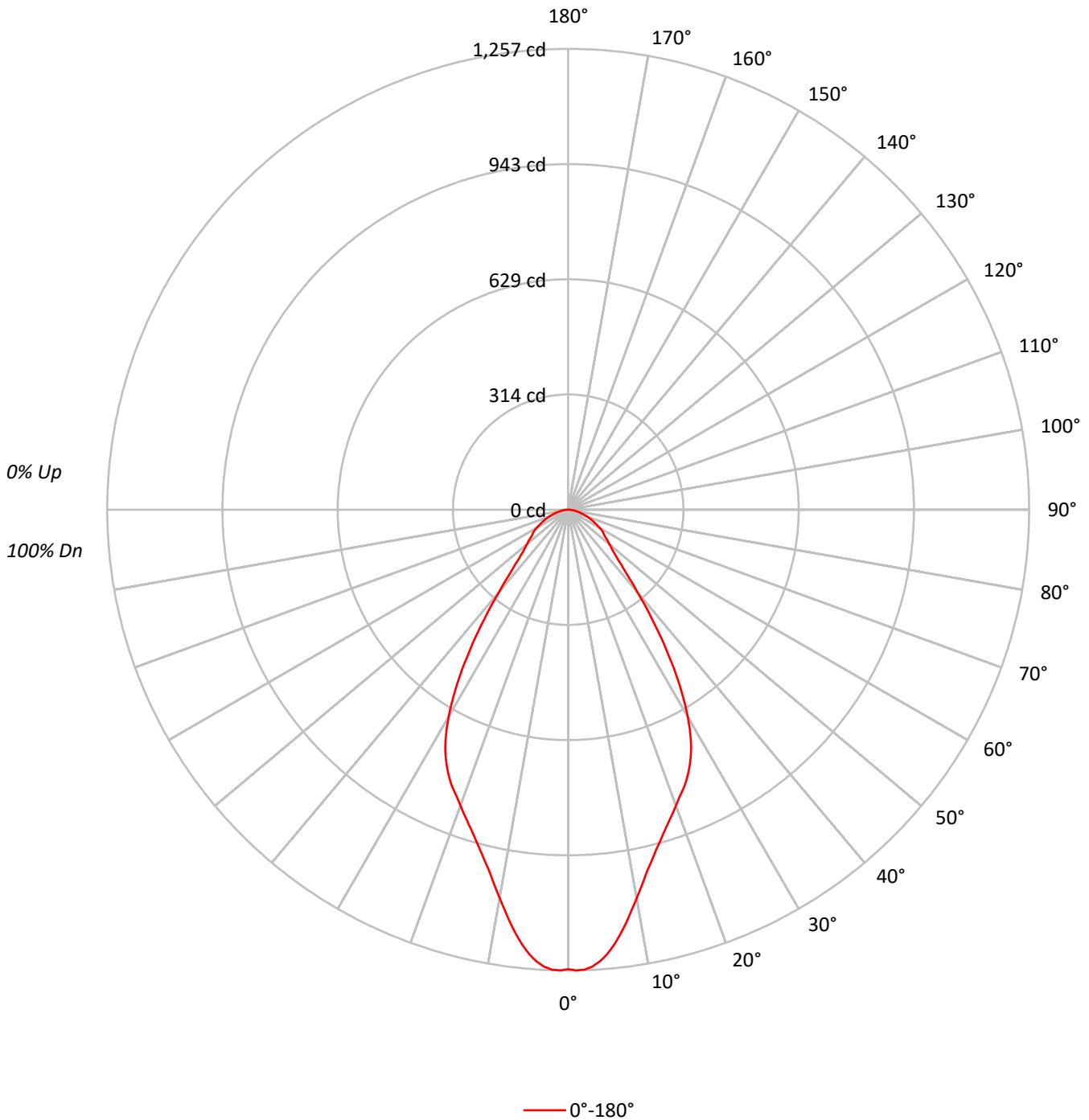
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38653
5°	37671
10°	33679
15°	30264
20°	28185
25°	26552
30°	23216
35°	17591
40°	11815
45°	8329
50°	7062
55°	6441
60°	6099
65°	5487
70°	4941
75°	4444
80°	3907
85°	3786



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	7.9
10°-20°	267.4	18.9
20°-30°	354.3	25.1
30°-40°	290.5	20.6
40°-50°	154.8	11.0
50°-60°	108.9	7.7
60°-70°	75.1	5.3
70°-80°	39.1	2.8
80°-90°	11.6	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°	733.0	51.9
0°-40°	1023.5	72.4
0°-60°	1287.2	91.1
0°-90°	1413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1413.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1217	111
15°	948	267
25°	780	354
35°	467	291
45°	191	155
55°	120	109
65°	75	75
75°	37	39
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1253.5
1°	1257.0
2°	1255.5
3°	1248.0
4°	1235.3
5°	1217.0
6°	1194.2
7°	1166.7
8°	1137.2
9°	1105.9
10°	1075.6
11°	1046.6
12°	1017.1
13°	992.6
14°	969.3
15°	948.0
16°	928.0
17°	909.5
18°	892.4
19°	875.3
20°	858.9
21°	842.9
22°	829.0
23°	814.7
24°	798.0
25°	780.4
26°	760.4
27°	737.9
28°	712.5
29°	684.3
30°	652.0
31°	618.1
32°	582.5
33°	544.5
34°	506.4
35°	467.3
37.5°	374.4
40°	293.5
42.5°	231.8
45°	191.0
47.5°	164.0
50°	147.2
52.5°	132.5
55°	119.8
57.5°	112.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	98.9
62.5°	86.3
65°	75.2
67.5°	65.4
70°	54.8
72.5°	45.7
75°	37.3
77.5°	27.0
80°	22.0
82.5°	15.9
85°	10.7
87.5°	4.9
90°	0.0

(END OF REPORT)