

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: P245539

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15835 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1378.0 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

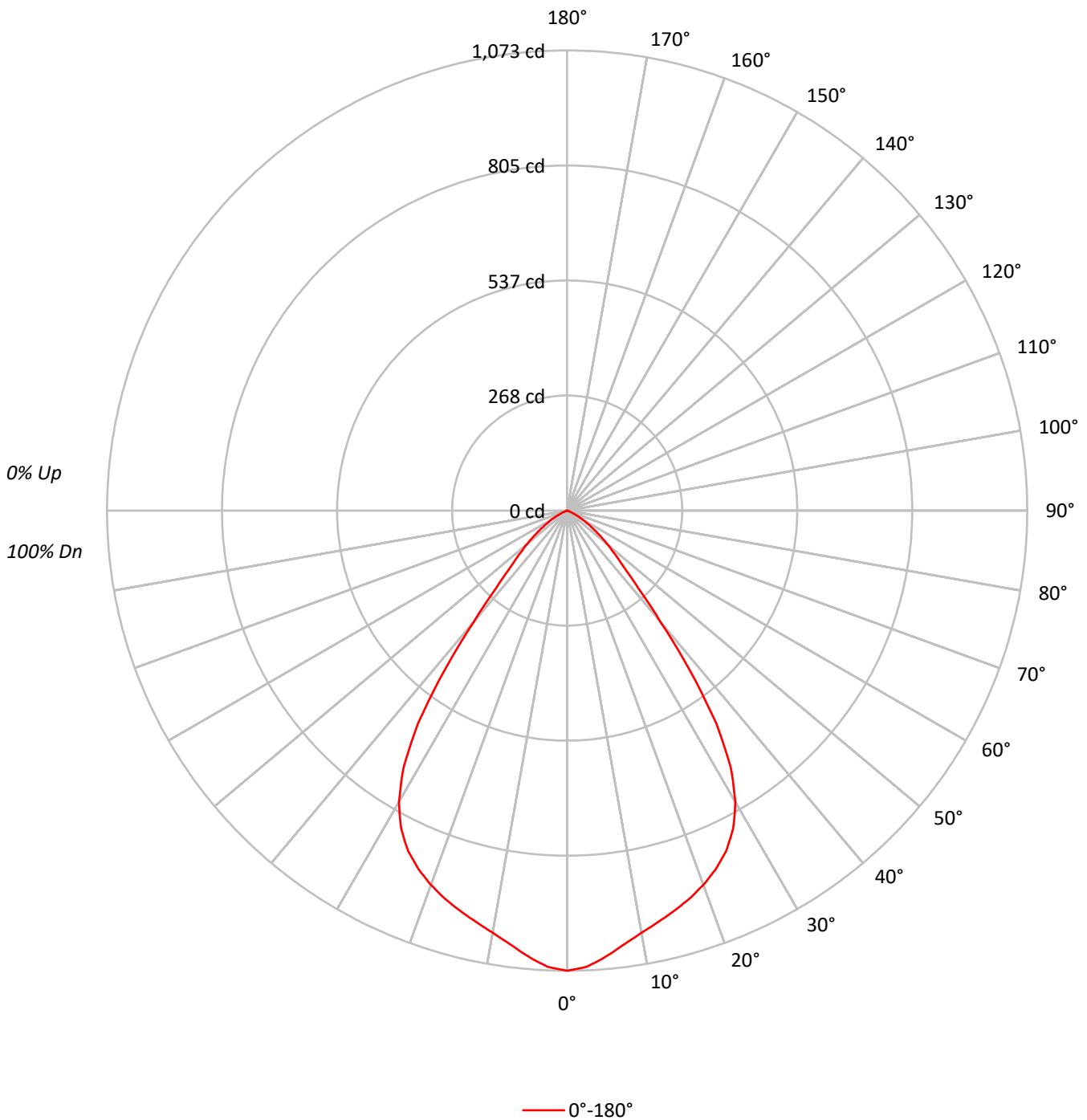
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245539

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245539

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBW0GPH

**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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54
8	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51	49
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	33087
5°	32304
10°	31293
15°	30839
20°	30476
25°	29822
30°	27933
35°	22809
40°	13618
45°	8177
50°	5896
55°	4011
60°	2516
65°	1233
70°	316
75°	119
80°	89
85°	0



TEST NUMBER: P245539

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBW0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.2	7.1
10°-20°	272.6	19.8
20°-30°	400.3	29.1
30°-40°	362.9	26.3
40°-50°	155.3	11.3
50°-60°	68.7	5.0
60°-70°	18.4	1.3
70°-80°	1.4	0.1
80°-90°	0.1	0.0
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°	771.1	56.0
0°-40°	1134.1	82.3
0°-60°	1358.1	98.6
0°-90°	1378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1073	
5°	1044	98
15°	966	273
25°	876	400
35°	606	363
45°	188	155
55°	75	69
65°	17	18
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P245539

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBW0GPH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1073.0
2.5°	1064.5
5°	1043.6
7.5°	1019.8
10°	999.4
12.5°	982.4
15°	966.0
17.5°	948.6
20°	928.7
22.5°	905.3
25°	876.5
27.5°	837.7
30°	784.5
32.5°	709.8
35°	605.9
37.5°	469.6
40°	338.3
42.5°	244.2
45°	187.5
47.5°	151.2
50°	122.9
52.5°	97.5
55°	74.6
57.5°	55.7
60°	40.8
62.5°	28.4
65°	16.9
67.5°	7.5
70°	3.5
72.5°	2.0
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)