

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: P245581

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245581  
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 EC8B15950 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1270.0 lumens  
Efficiency: N/A  
Efficacy: 88.2 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

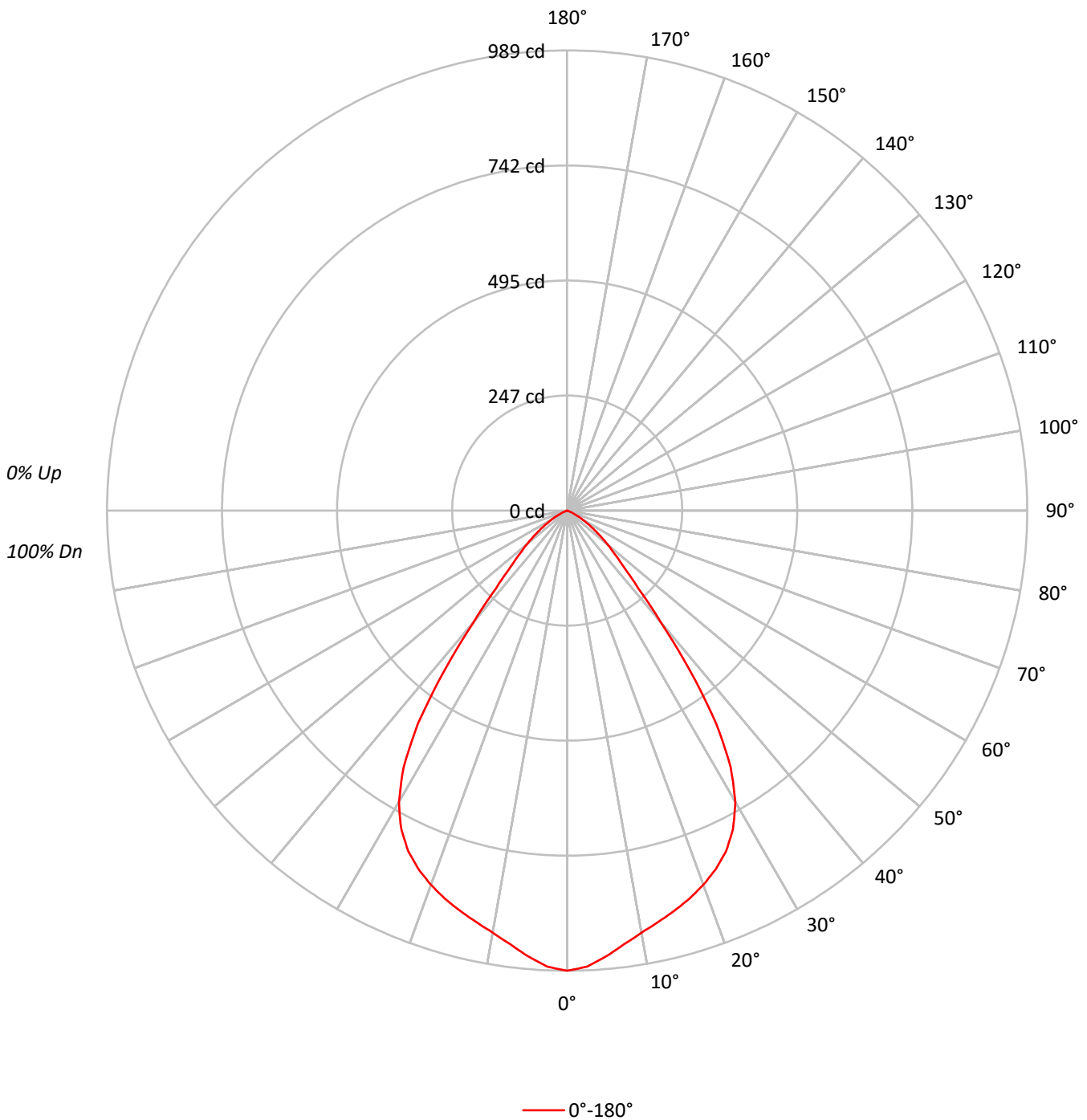
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245581

CATALOG NUMBER: LSR8B15D010 EC8B15950 8LBW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245581

CATALOG NUMBER: LSR8B15D010 EC8B15950 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°	30494
5°	29772
10°	28838
15°	28422
20°	28087
25°	27485
30°	25744
35°	21021
40°	12547
45°	7536
50°	5431
55°	3699
60°	2319
65°	1138
70°	289
75°	107
80°	89
85°	0



TEST NUMBER: P245581

CATALOG NUMBER: LSR8B15D010 EC8B15950 8LBW0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	7.1
10°-20°	251.3	19.8
20°-30°	369.0	29.1
30°-40°	334.5	26.3
40°-50°	143.2	11.3
50°-60°	63.4	5.0
60°-70°	16.9	1.3
70°-80°	1.3	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°	710.7	56.0
0°-40°	1045.2	82.3
0°-60°	1251.7	98.6
0°-90°	1270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1270.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	989	
5°	962	90
15°	890	251
25°	808	369
35°	558	334
45°	173	143
55°	69	63
65°	16	17
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P245581

CATALOG NUMBER: LSR8B15D010 EC8B15950 8LBW0GPH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	988.9
2.5°	981.1
5°	961.8
7.5°	939.8
10°	921.0
12.5°	905.4
15°	890.3
17.5°	874.3
20°	855.9
22.5°	834.4
25°	807.8
27.5°	772.0
30°	723.0
32.5°	654.2
35°	558.4
37.5°	432.8
40°	311.7
42.5°	225.1
45°	172.8
47.5°	139.4
50°	113.2
52.5°	89.9
55°	68.8
57.5°	51.3
60°	37.6
62.5°	26.1
65°	15.6
67.5°	6.9
70°	3.2
72.5°	1.8
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)