

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: P245742

Luminaire Tested: **LSR8B10D010 EC8B10827 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10827 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1056.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

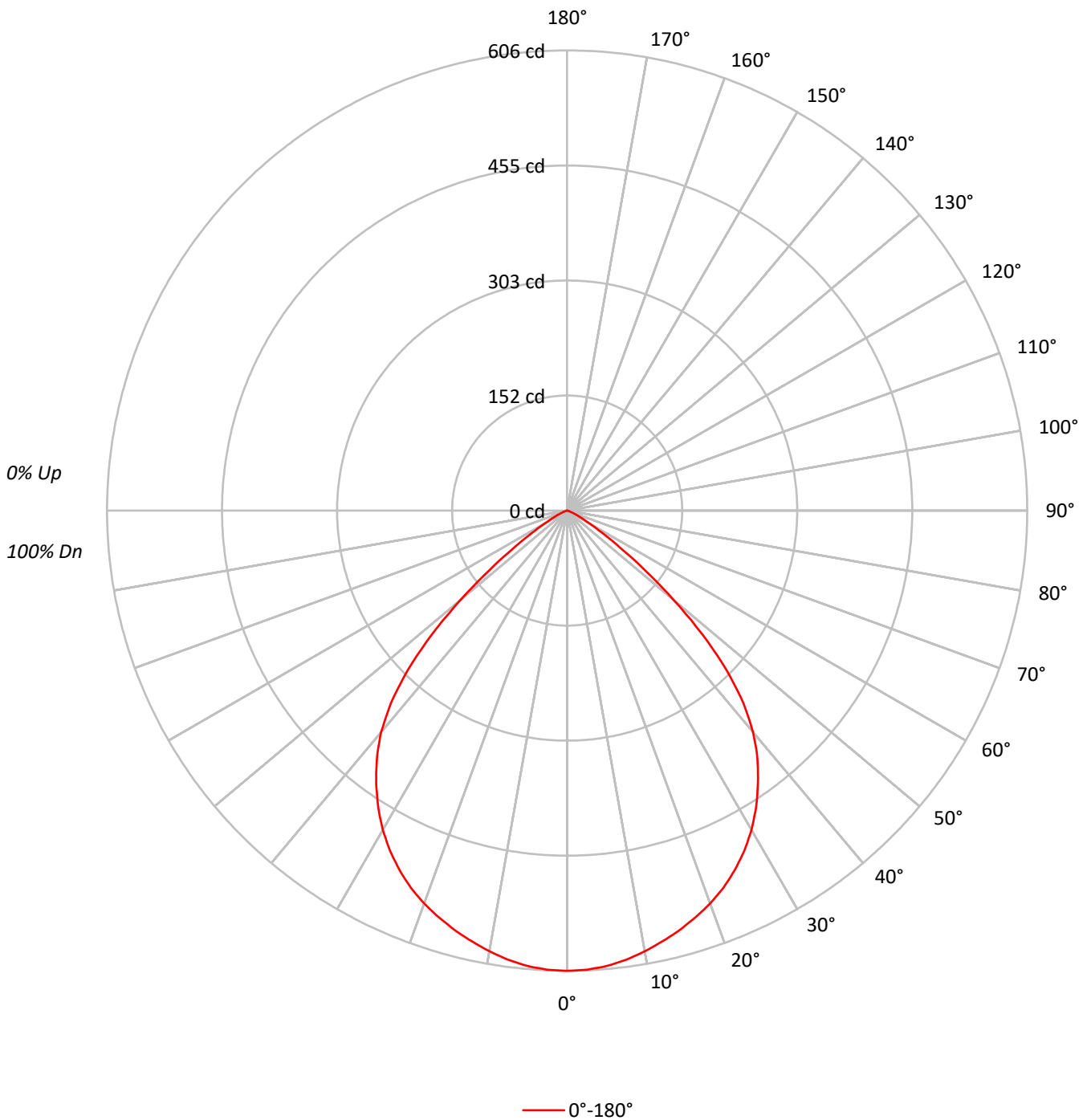
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245742

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBS0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245742

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBS0GPH

**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	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

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

	0°
0°	18690
5°	18634
10°	18452
15°	18261
20°	18071
25°	17774
30°	17287
35°	16499
40°	15341
45°	12952
50°	8793
55°	4597
60°	2060
65°	1007
70°	406
75°	250
80°	178
85°	106



TEST NUMBER: P245742

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBS0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	5.4
10°-20°	161.4	15.3
20°-30°	240.2	22.7
30°-40°	273.0	25.9
40°-50°	223.3	21.1
50°-60°	83.2	7.9
60°-70°	15.2	1.4
70°-80°	2.4	0.2
80°-90°	0.3	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°	458.6	43.4
0°-40°	731.6	69.3
0°-60°	1038.1	98.3
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	606	
5°	602	57
15°	572	161
25°	522	240
35°	438	273
45°	297	223
55°	86	83
65°	14	15
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P245742

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBS0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	606.1
2.5°	605.1
5°	602.0
7.5°	596.5
10°	589.3
12.5°	581.0
15°	572.0
17.5°	561.7
20°	550.7
22.5°	537.6
25°	522.4
27.5°	505.2
30°	485.5
32.5°	463.1
35°	438.3
37.5°	411.8
40°	381.1
42.5°	343.2
45°	297.0
47.5°	241.6
50°	183.3
52.5°	129.2
55°	85.5
57.5°	53.8
60°	33.4
62.5°	21.4
65°	13.8
67.5°	7.9
70°	4.5
72.5°	2.8
75°	2.1
77.5°	1.4
80°	1.0
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)