

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: P244938

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10927 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 949.5 lumens  
Efficiency: N/A  
Efficacy: 93.1 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

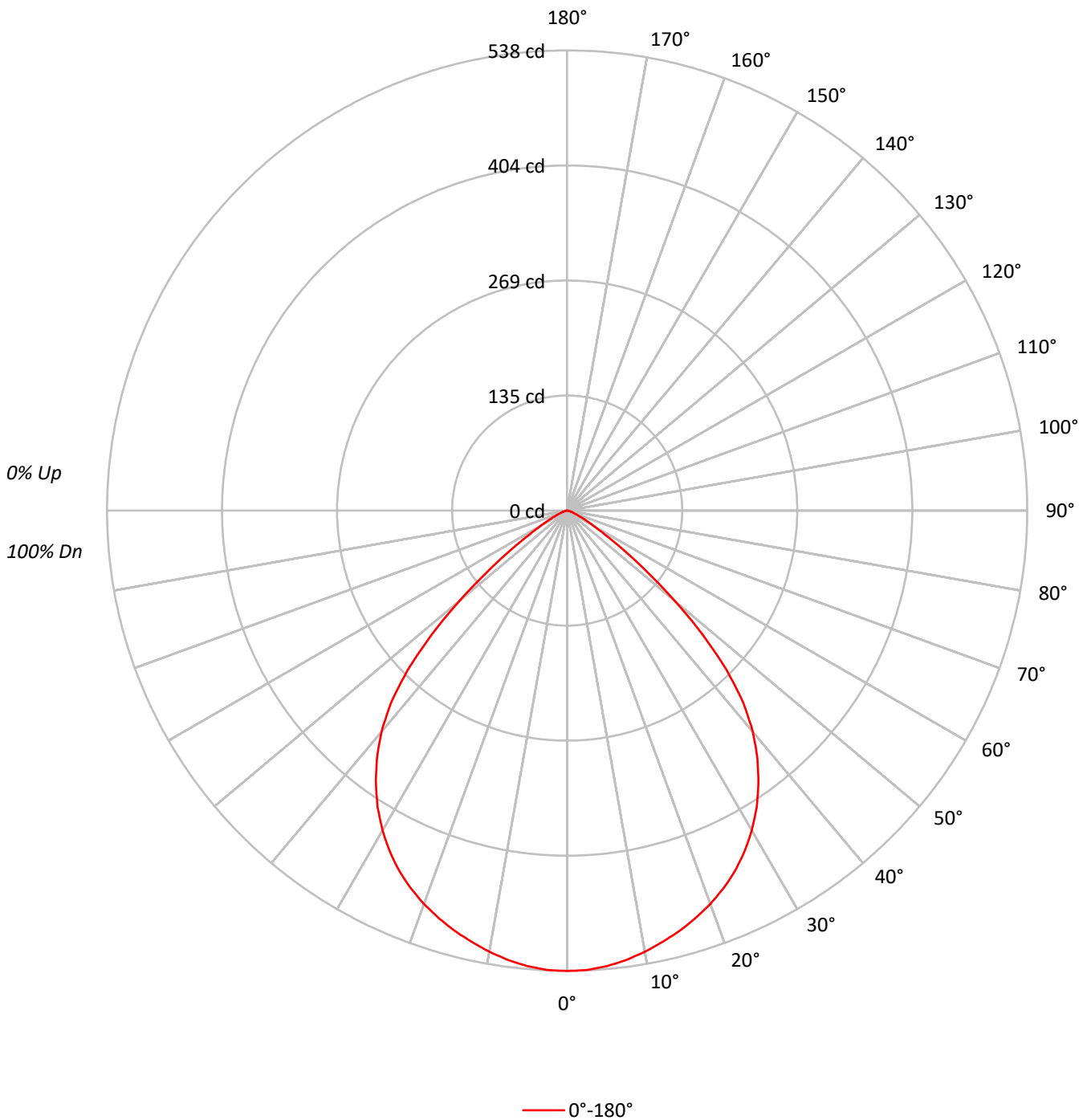
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244938

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBS0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P244938

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBS0W/MH

**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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°
0°	16599
5°	16548
10°	16401
15°	16237
20°	16063
25°	15808
30°	15375
35°	14674
40°	13598
45°	11487
50°	7877
55°	4344
60°	2183
65°	1233
70°	667
75°	477
80°	302
85°	212



TEST NUMBER: P244938

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBS0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.7	5.3
10°-20°	143.4	15.1
20°-30°	213.6	22.5
30°-40°	242.6	25.5
40°-50°	198.3	20.9
50°-60°	77.7	8.2
60°-70°	18.1	1.9
70°-80°	4.4	0.5
80°-90°	0.7	0.1
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°	407.7	42.9
0°-40°	650.3	68.5
0°-60°	926.3	97.6
0°-90°	949.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	538	
5°	535	51
15°	509	143
25°	465	214
35°	390	243
45°	263	198
55°	81	78
65°	17	18
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P244938

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBS0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	538.3
2.5°	537.5
5°	534.6
7.5°	529.8
10°	523.8
12.5°	516.4
15°	508.6
17.5°	499.5
20°	489.5
22.5°	477.8
25°	464.6
27.5°	449.2
30°	431.8
32.5°	412.1
35°	389.8
37.5°	365.3
40°	337.8
42.5°	304.8
45°	263.4
47.5°	214.8
50°	164.2
52.5°	117.9
55°	80.8
57.5°	52.9
60°	35.4
62.5°	24.3
65°	16.9
67.5°	11.1
70°	7.4
72.5°	5.2
75°	4.0
77.5°	2.8
80°	1.7
82.5°	0.9
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)