

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: P244230

Luminaire Tested: **LSR8B10D010 EC8B10827 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10827 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1063.0 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

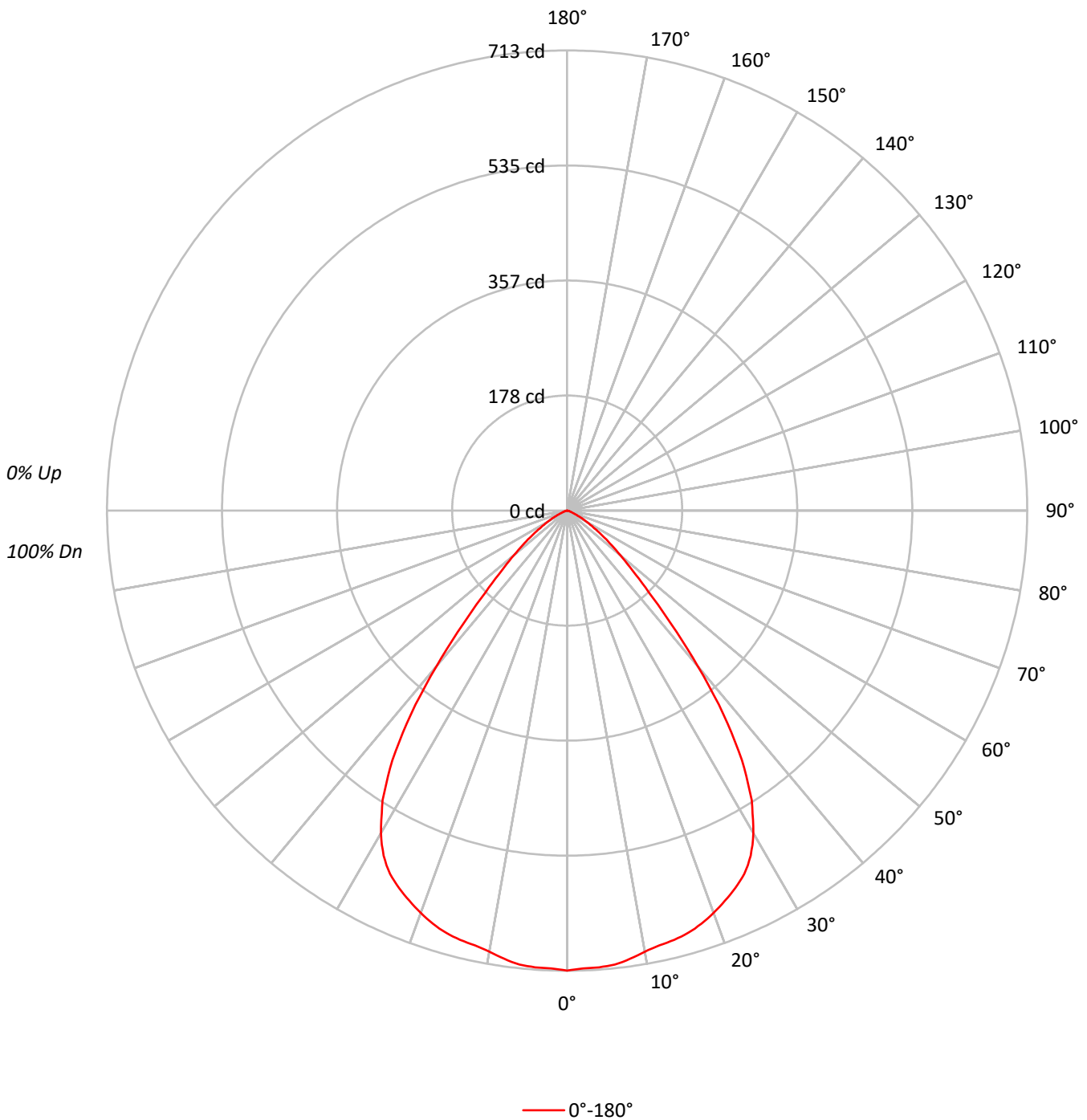
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244230

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244230

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBW0H

**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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	21980
5°	21931
10°	21731
15°	21814
20°	21766
25°	21554
30°	20545
35°	17787
40°	12688
45°	7797
50°	5143
55°	3403
60°	2177
65°	1189
70°	586
75°	298
80°	160
85°	106



TEST NUMBER: P244230

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.2	6.3
10°-20°	192.7	18.1
20°-30°	290.0	27.3
30°-40°	287.1	27.0
40°-50°	145.9	13.7
50°-60°	58.8	5.5
60°-70°	17.8	1.7
70°-80°	3.1	0.3
80°-90°	0.4	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°	549.9	51.7
0°-40°	837.1	78.7
0°-60°	1041.7	98.0
0°-90°	1063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	713	
5°	708	67
15°	683	193
25°	634	290
35°	472	287
45°	179	146
55°	63	59
65°	16	18
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P244230

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBW0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	712.8
1°	711.2
2°	710.0
3°	709.7
4°	709.4
5°	708.5
6°	707.3
7°	704.8
8°	701.1
9°	697.7
10°	694.0
11°	691.0
12°	688.8
13°	687.3
14°	685.4
15°	683.3
16°	680.5
17°	677.1
18°	673.2
19°	668.5
20°	663.3
21°	657.8
22°	652.3
23°	646.4
24°	640.3
25°	633.5
26°	626.1
27°	616.6
28°	605.6
29°	592.3
30°	577.0
32.5°	532.1
35°	472.5
37.5°	398.2
40°	315.2
42.5°	238.1
45°	178.8
47.5°	136.7
50°	107.2
52.5°	83.3
55°	63.3
57.5°	47.0
60°	35.3
62.5°	25.2
65°	16.3



TEST NUMBER: P244230

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBW0H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	10.1
70°	6.5
72.5°	4.0
75°	2.5
77.5°	1.5
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)