

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: P244374

Luminaire Tested: **LSR8B10D010 EC8B10827 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10827 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 1039.9 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

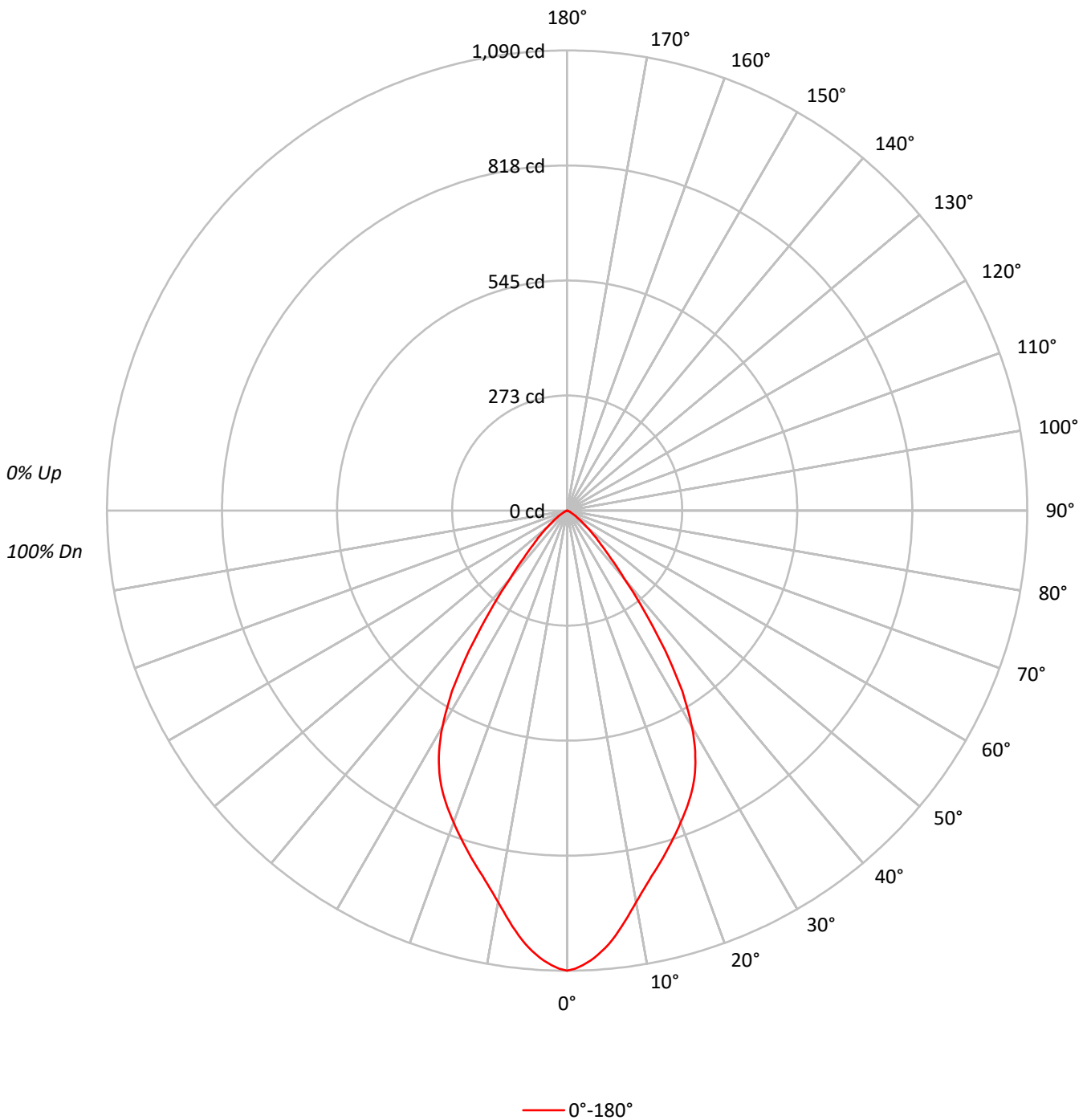
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

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

	0°
0°	33605
5°	32180
10°	29487
15°	27439
20°	25806
25°	24144
30°	21058
35°	15220
40°	8530
45°	4910
50°	3003
55°	1710
60°	888
65°	452
70°	243
75°	143
80°	89
85°	71



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	9.2
10°-20°	241.6	23.2
20°-30°	322.4	31.0
30°-40°	248.5	23.9
40°-50°	92.6	8.9
50°-60°	30.3	2.9
60°-70°	7.0	0.7
70°-80°	1.4	0.1
80°-90°	0.2	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°	660.0	63.5
0°-40°	908.5	87.4
0°-60°	1031.4	99.2
0°-90°	1039.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1090	
5°	1040	96
15°	860	242
25°	710	322
35°	404	248
45°	113	93
55°	32	30
65°	6	7
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1089.8
1°	1085.1
2°	1077.1
3°	1066.9
4°	1054.5
5°	1039.6
6°	1022.7
7°	1003.3
8°	982.7
9°	961.3
10°	941.7
11°	922.8
12°	905.2
13°	889.0
14°	874.1
15°	859.5
16°	844.5
17°	830.1
18°	815.2
19°	800.6
20°	786.4
21°	771.7
22°	757.6
23°	742.7
24°	727.0
25°	709.6
26°	690.5
27°	669.4
28°	646.0
29°	619.9
30°	591.4
32.5°	507.6
35°	404.3
37.5°	299.4
40°	211.9
42.5°	151.8
45°	112.6
47.5°	84.7
50°	62.6
52.5°	44.7
55°	31.8
57.5°	21.9
60°	14.4
62.5°	9.4
65°	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.2
70°	2.7
72.5°	1.7
75°	1.2
77.5°	0.7
80°	0.5
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)