

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: P246681

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30827 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2908.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

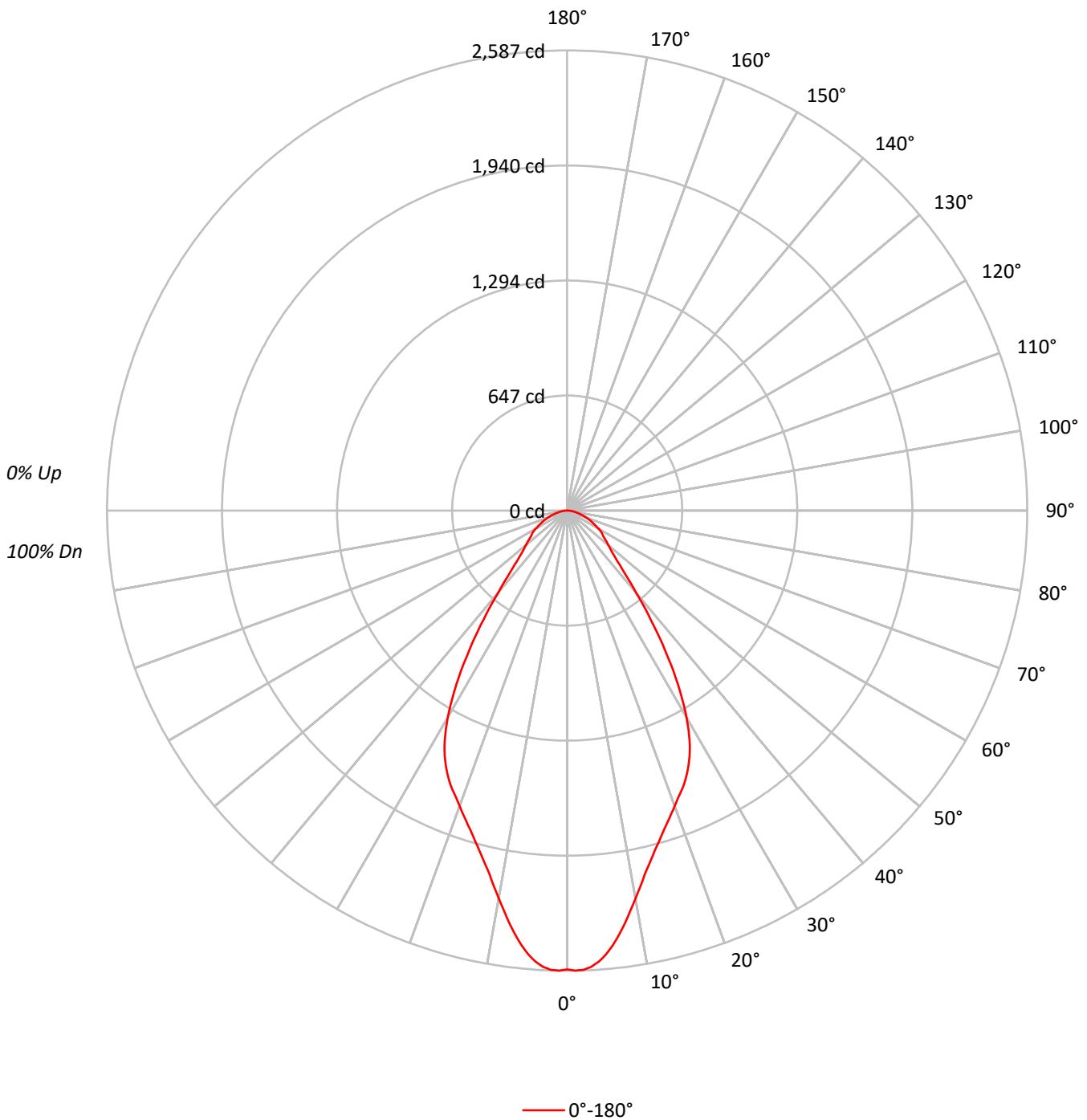
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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

	0°
0°	79548
5°	77531
10°	69309
15°	62284
20°	58004
25°	54646
30°	47777
35°	36202
40°	24313
45°	17138
50°	14536
55°	13252
60°	12557
65°	11295
70°	10161
75°	9138
80°	8044
85°	7748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.2	7.9
10°-20°	550.2	18.9
20°-30°	729.1	25.1
30°-40°	597.9	20.6
40°-50°	318.5	11.0
50°-60°	224.2	7.7
60°-70°	154.5	5.3
70°-80°	80.5	2.8
80°-90°	23.8	0.8
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°	1508.6	51.9
0°-40°	2106.5	72.4
0°-60°	2649.1	91.1
0°-90°	2908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2580	
5°	2505	229
15°	1951	550
25°	1606	729
35°	962	598
45°	393	318
55°	246	224
65°	155	155
75°	77	80
85°	22	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2579.7
1°	2587.0
2°	2583.8
3°	2568.5
4°	2542.3
5°	2504.7
6°	2457.6
7°	2401.1
8°	2340.5
9°	2275.9
10°	2213.5
11°	2153.9
12°	2093.2
13°	2042.7
14°	1994.8
15°	1951.0
16°	1909.8
17°	1871.8
18°	1836.6
19°	1801.3
20°	1767.6
21°	1734.7
22°	1706.1
23°	1676.8
24°	1642.3
25°	1606.1
26°	1564.9
27°	1518.5
28°	1466.3
29°	1408.3
30°	1341.8
31°	1272.0
32°	1198.8
33°	1120.7
34°	1042.2
35°	961.7
37.5°	770.6
40°	604.0
42.5°	477.0
45°	393.0
47.5°	337.5
50°	303.0
52.5°	272.7
55°	246.5
57.5°	230.5



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	203.6
62.5°	177.5
65°	154.8
67.5°	134.6
70°	112.7
72.5°	94.1
75°	76.7
77.5°	55.5
80°	45.3
82.5°	32.8
85°	21.9
87.5°	10.2
90°	0.0

(END OF REPORT)