

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: P247322

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B80D010 EC8B80950 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7341.0 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

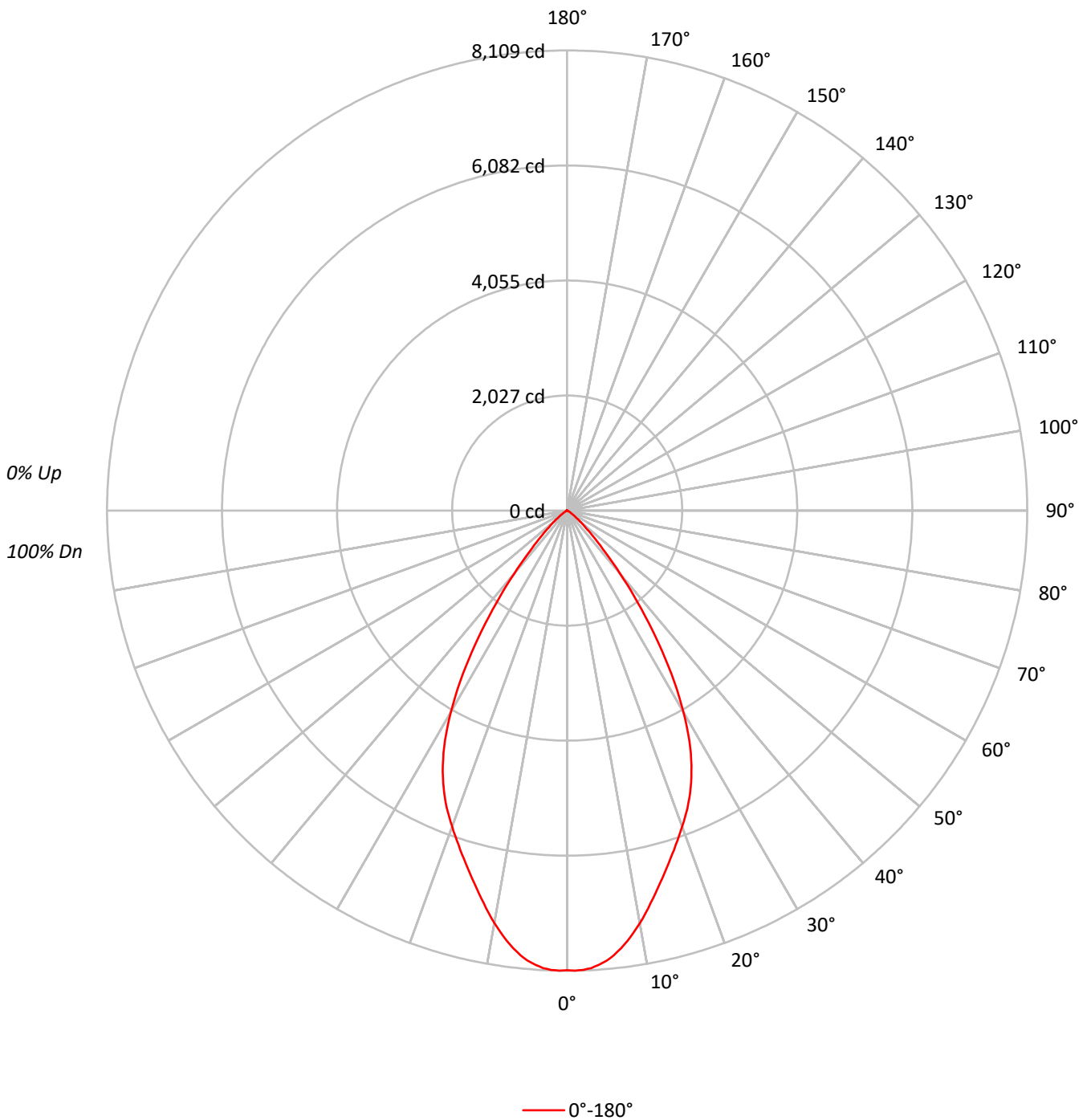
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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

	0°
0°	249709
5°	246491
10°	231089
15°	211315
20°	194539
25°	176272
30°	145959
35°	102362
40°	58247
45°	28590
50°	14099
55°	6398
60°	3034
65°	1642
70°	171
75°	226
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	741.0	10.1
10°-20°	1858.1	25.3
20°-30°	2345.6	32.0
30°-40°	1687.3	23.0
40°-50°	558.5	7.6
50°-60°	121.6	1.7
60°-70°	25.0	0.3
70°-80°	2.5	0.0
80°-90°	1.2	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°	4944.8	67.4
0°-40°	6632.1	90.3
0°-60°	7312.3	99.6
0°-90°	7341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8098	
5°	7963	741
15°	6619	1858
25°	5181	2346
35°	2719	1687
45°	656	558
55°	119	122
65°	22	25
75°	2	2
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8097.9
1°	8109.2
2°	8099.7
3°	8073.1
4°	8023.4
5°	7963.1
6°	7880.3
7°	7772.4
8°	7653.4
9°	7523.3
10°	7380.2
11°	7234.0
12°	7074.9
13°	6921.6
14°	6767.3
15°	6619.3
16°	6473.6
17°	6334.0
18°	6195.5
19°	6062.3
20°	5928.3
21°	5790.9
22°	5656.8
23°	5510.9
24°	5353.7
25°	5180.8
26°	4999.4
27°	4797.4
28°	4583.7
29°	4346.4
30°	4099.2
31°	3839.1
32°	3565.4
33°	3278.2
34°	2997.3
35°	2719.2
37.5°	2042.0
40°	1447.0
42.5°	980.3
45°	655.6
47.5°	439.8
50°	293.9
52.5°	177.5
55°	119.0
57.5°	82.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	49.2
62.5°	33.6
65°	22.5
67.5°	20.2
70°	1.9
72.5°	4.6
75°	1.9
77.5°	1.9
80°	0.0
82.5°	4.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)