

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: P250603

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250603  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B80D010 EC8B80950 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4920.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

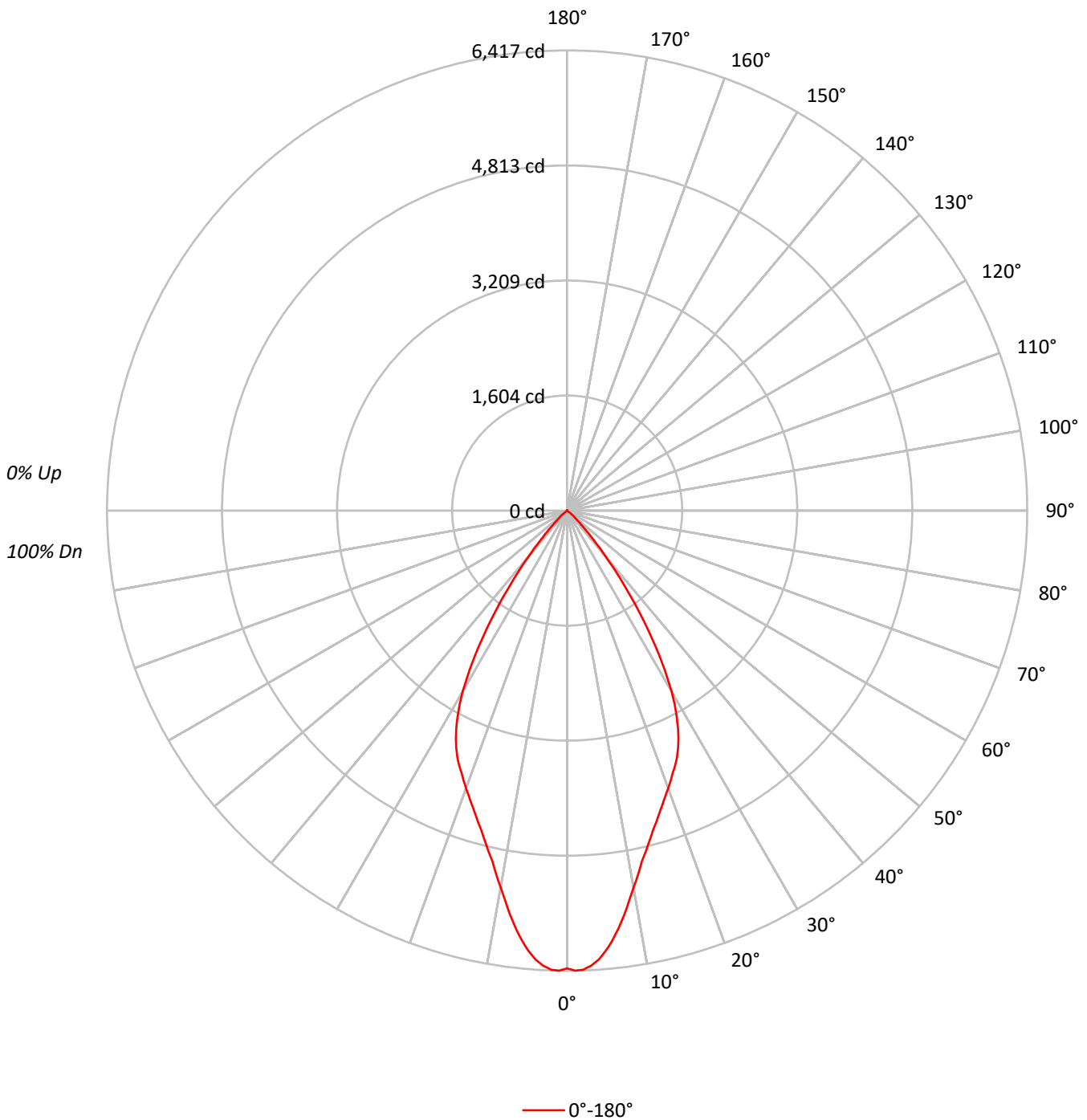
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

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

	0°
0°	196856
5°	190835
10°	167134
15°	147556
20°	135212
25°	124498
30°	103623
35°	68829
40°	33495
45°	12132
50°	3651
55°	258
60°	0
65°	175
70°	0
75°	0
80°	426
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.7	11.4
10°-20°	1302.2	26.5
20°-30°	1652.0	33.6
30°-40°	1131.8	23.0
40°-50°	257.9	5.2
50°-60°	12.9	0.3
60°-70°	0.6	0.0
70°-80°	0.9	0.0
80°-90°	1.0	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°	3514.9	71.4
0°-40°	4646.7	94.4
0°-60°	4917.5	99.9
0°-90°	4920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4920.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6384	
5°	6165	561
15°	4622	1302
25°	3659	1652
35°	1828	1132
45°	278	258
55°	5	13
65°	2	1
75°	0	1
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6383.9
1°	6417.1
2°	6405.2
3°	6357.7
4°	6276.8
5°	6165.1
6°	6029.6
7°	5872.7
8°	5699.1
9°	5513.6
10°	5337.7
11°	5176.0
12°	5002.5
13°	4876.5
14°	4743.3
15°	4622.1
16°	4512.7
17°	4405.7
18°	4305.8
19°	4208.3
20°	4120.4
21°	4030.0
22°	3937.3
23°	3856.5
24°	3766.1
25°	3659.1
26°	3540.2
27°	3402.4
28°	3254.9
29°	3090.9
30°	2910.2
31°	2705.7
32°	2494.1
33°	2273.0
34°	2047.1
35°	1828.4
37.5°	1291.0
40°	832.1
42.5°	489.8
45°	278.2
47.5°	149.8
50°	76.1
52.5°	14.3
55°	4.8
57.5°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	2.4
67.5°	0.0
70°	0.0
72.5°	2.4
75°	0.0
77.5°	0.0
80°	2.4
82.5°	0.0
85°	0.0
87.5°	2.4
90°	0.0

(END OF REPORT)