

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: P251148

Luminaire Tested: **LSR8B60D010 EC8B60927 8LBN0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60927 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4557.4 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

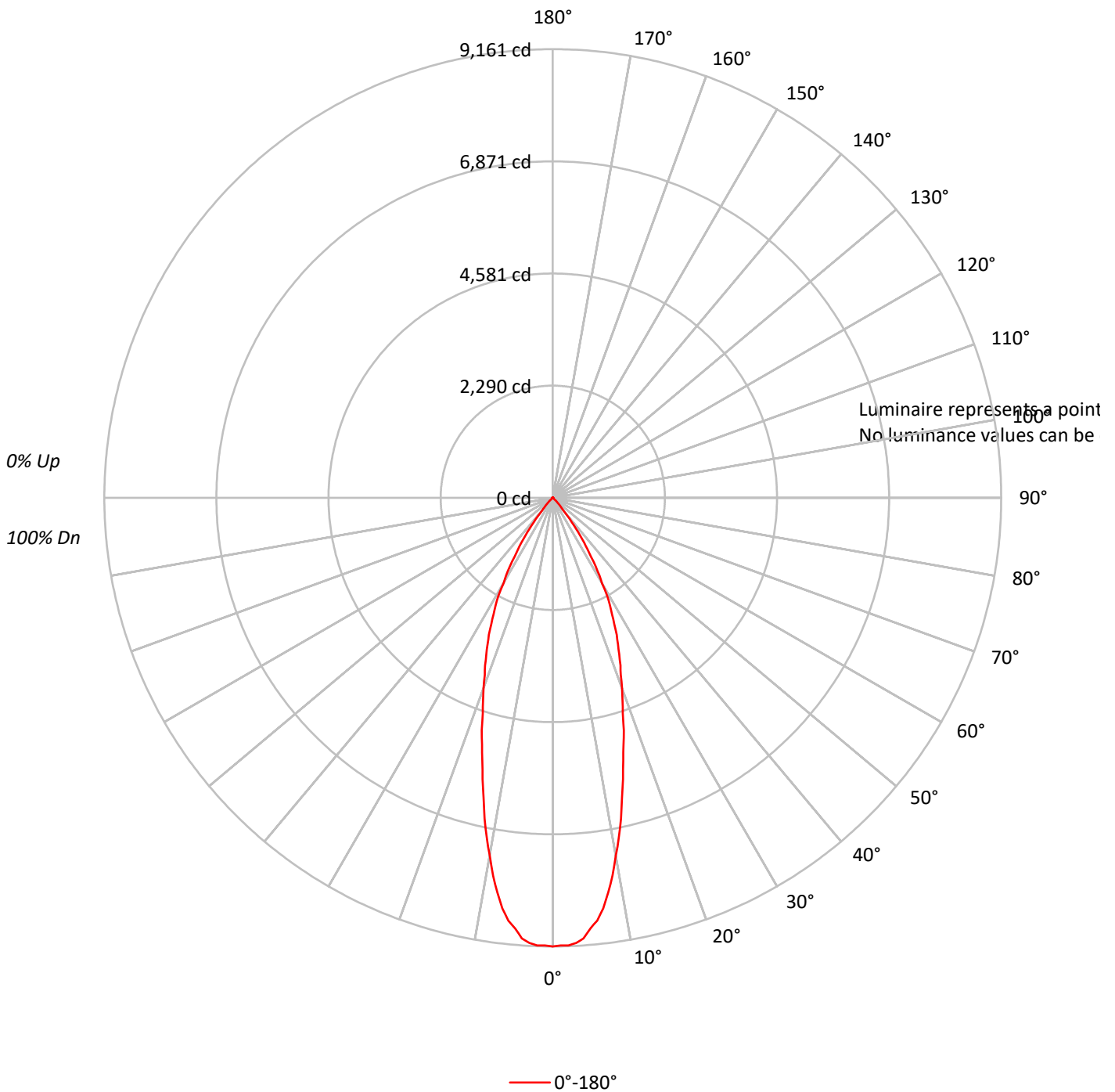
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	800.1	17.6
10°-20°	1550.4	34.0
20°-30°	1395.9	30.6
30°-40°	690.6	15.2
40°-50°	105.0	2.3
50°-60°	4.3	0.1
60°-70°	5.6	0.1
70°-80°	2.1	0.0
80°-90°	3.3	0.1
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°	3746.5	82.2
0°-40°	4437.1	97.4
0°-60°	4546.5	99.8
0°-90°	4557.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4557.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9161	
5°	8826	800
15°	5555	1550
25°	3087	1396
35°	1118	691
45°	116	105
55°	2	4
65°	3	6
75°	3	2
85°	5	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9161.4
1°	9142.3
2°	9147.0
3°	9100.9
4°	9016.8
5°	8825.8
6°	8679.6
7°	8447.4
8°	8135.8
9°	7811.3
10°	7420.0
11°	7070.3
12°	6695.0
13°	6279.9
14°	5922.1
15°	5554.7
16°	5241.5
17°	4964.7
18°	4624.4
19°	4374.8
20°	4129.9
21°	3875.4
22°	3689.3
23°	3473.1
24°	3274.3
25°	3086.7
26°	2865.6
27°	2666.8
28°	2488.7
29°	2293.1
30°	2011.6
31°	1852.6
32°	1652.3
33°	1432.8
34°	1265.9
35°	1117.9
37.5°	707.6
40°	319.6
42.5°	217.9
45°	116.1
47.5°	65.1
50°	1.6
52.5°	6.4
55°	1.6
57.5°	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1.6
62.5°	8.0
65°	3.2
67.5°	8.0
70°	4.8
72.5°	1.6
75°	3.2
77.5°	0.0
80°	1.6
82.5°	6.4
85°	4.8
87.5°	0.0
90°	0.0

(END OF REPORT)