

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: P251130

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBN0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251130  
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 EC8B60830 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5595.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

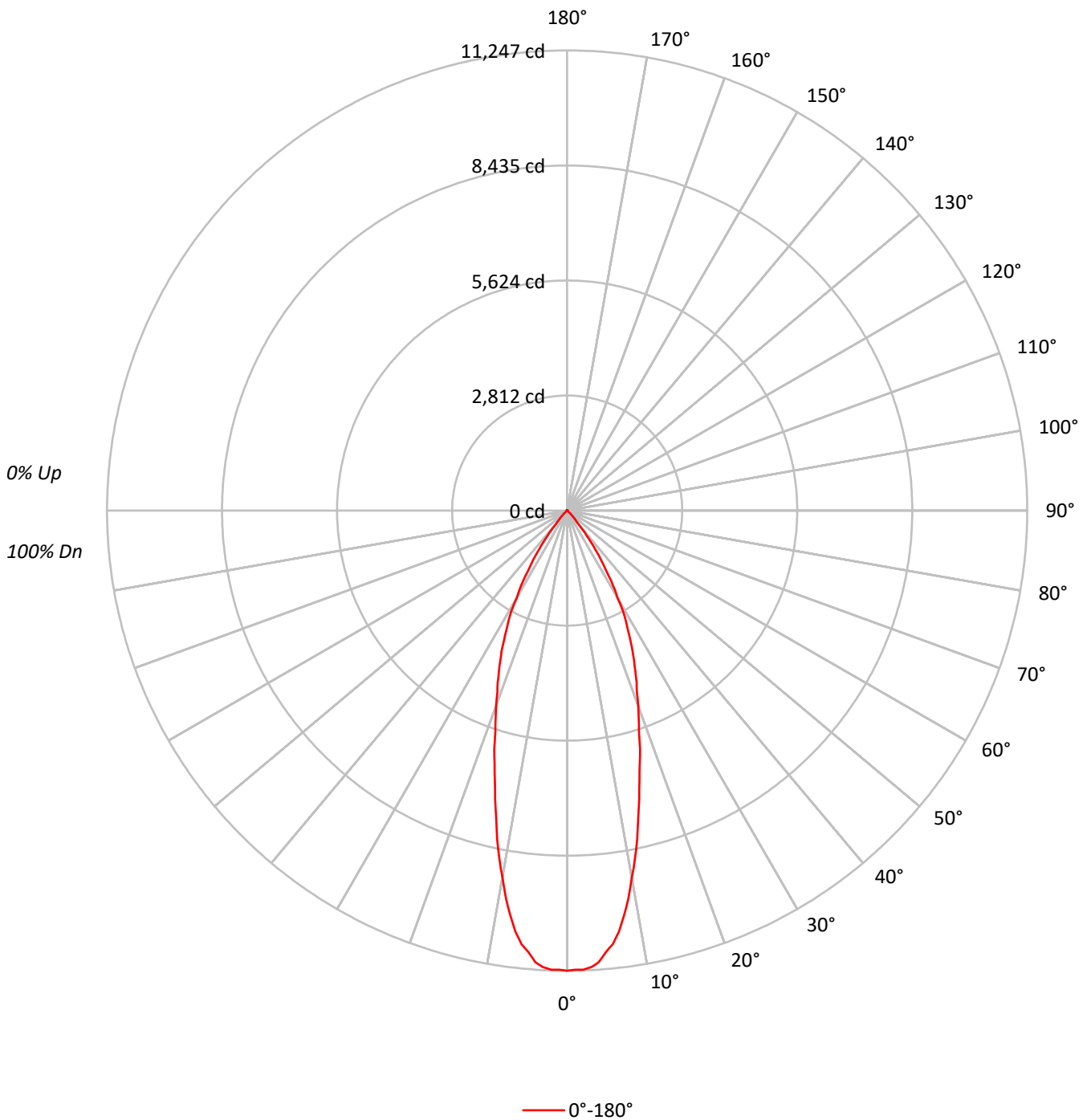
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	346825
5°	335400
10°	285237
15°	217703
20°	166380
25°	128931
30°	87938
35°	51663
40°	15796
45°	6214
50°	96
55°	108
60°	123
65°	285
70°	532
75°	465
80°	355
85°	2087



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	982.3	17.6
10°-20°	1903.4	34.0
20°-30°	1713.7	30.6
30°-40°	847.9	15.2
40°-50°	129.0	2.3
50°-60°	5.3	0.1
60°-70°	6.8	0.1
70°-80°	2.6	0.0
80°-90°	4.0	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°	4599.5	82.2
0°-40°	5447.3	97.4
0°-60°	5581.6	99.8
0°-90°	5595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5595.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11247	
5°	10835	982
15°	6819	1903
25°	3789	1714
35°	1372	848
45°	142	129
55°	2	5
65°	4	7
75°	4	3
85°	6	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11247.3
1°	11223.9
2°	11229.7
3°	11173.1
4°	11069.6
5°	10835.4
6°	10655.7
7°	10370.7
8°	9988.1
9°	9589.8
10°	9109.5
11°	8680.0
12°	8219.3
13°	7709.7
14°	7270.4
15°	6819.4
16°	6434.8
17°	6095.1
18°	5677.3
19°	5370.8
20°	5070.2
21°	4757.8
22°	4529.4
23°	4263.8
24°	4019.8
25°	3789.4
26°	3518.0
27°	3274.1
28°	3055.4
29°	2815.2
30°	2469.7
31°	2274.5
32°	2028.4
33°	1759.0
34°	1554.0
35°	1372.4
37.5°	868.7
40°	392.4
42.5°	267.5
45°	142.5
47.5°	80.0
50°	2.0
52.5°	7.8
55°	2.0
57.5°	11.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	2.0
62.5°	9.8
65°	3.9
67.5°	9.8
70°	5.9
72.5°	2.0
75°	3.9
77.5°	0.0
80°	2.0
82.5°	7.8
85°	5.9
87.5°	0.0
90°	0.0

(END OF REPORT)