

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: P250964

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60835 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6147.0 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

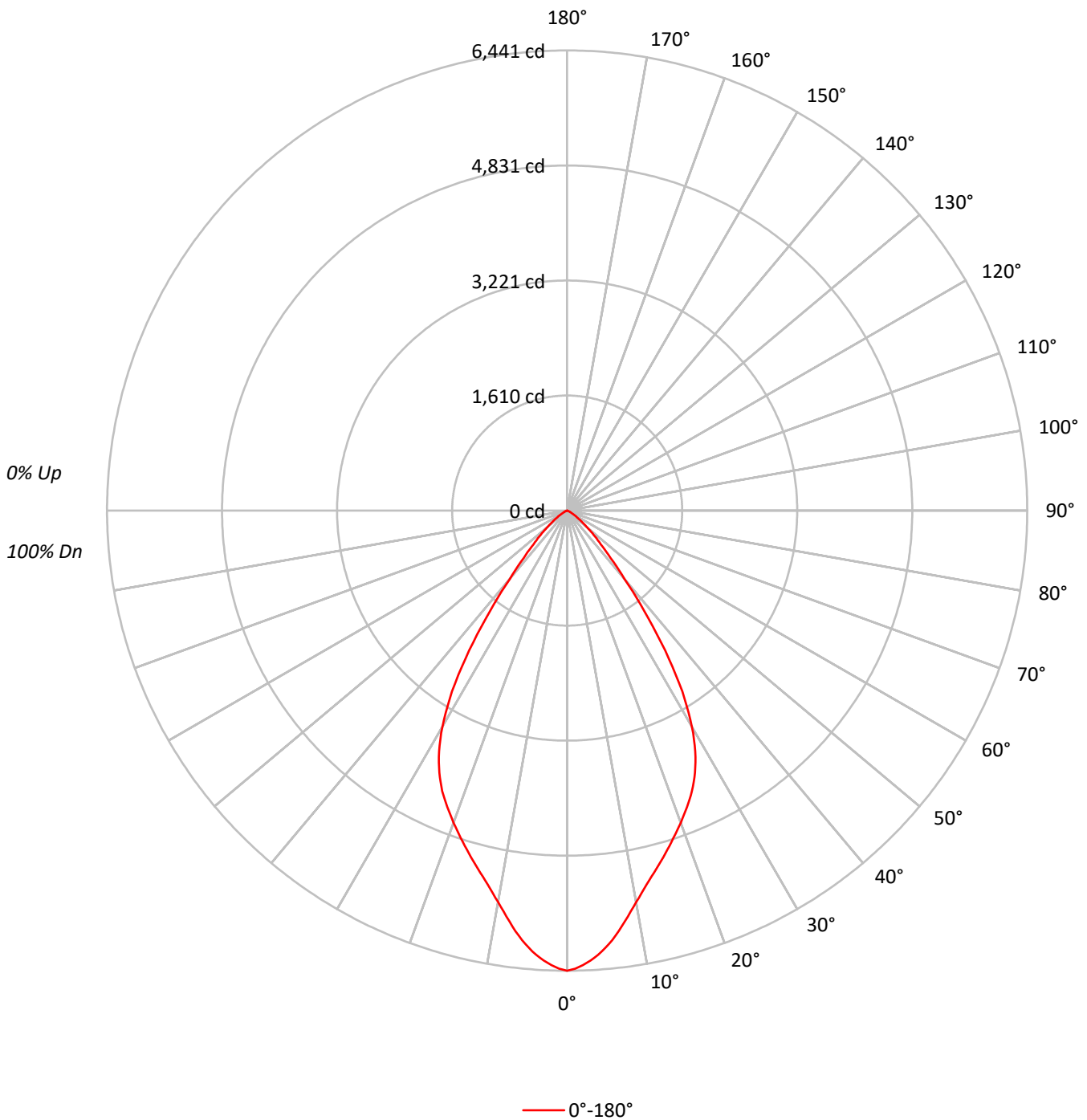
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

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

	0°
0°	198623
5°	190201
10°	174283
15°	162171
20°	152529
25°	142707
30°	124453
35°	89947
40°	50426
45°	29013
50°	17755
55°	10107
60°	5255
65°	2678
70°	1461
75°	870
80°	515
85°	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.3	9.2
10°-20°	1428.0	23.2
20°-30°	1905.4	31.0
30°-40°	1468.7	23.9
40°-50°	547.6	8.9
50°-60°	179.1	2.9
60°-70°	41.3	0.7
70°-80°	8.3	0.1
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°	3900.8	63.5
0°-40°	5369.5	87.4
0°-60°	6096.2	99.2
0°-90°	6147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6147.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6441	
5°	6145	567
15°	5080	1428
25°	4194	1905
35°	2389	1469
45°	665	548
55°	188	179
65°	37	41
75°	7	8
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6441.2
1°	6413.3
2°	6366.3
3°	6306.1
4°	6232.7
5°	6144.6
6°	6044.7
7°	5930.2
8°	5808.3
9°	5682.0
10°	5566.0
11°	5454.3
12°	5350.1
13°	5254.6
14°	5166.5
15°	5079.9
16°	4991.7
17°	4906.6
18°	4818.4
19°	4731.8
20°	4648.1
21°	4561.4
22°	4477.7
23°	4389.6
24°	4297.1
25°	4194.3
26°	4081.2
27°	3956.4
28°	3818.3
29°	3664.1
30°	3495.2
32.5°	3000.3
35°	2389.4
37.5°	1769.7
40°	1252.7
42.5°	897.3
45°	665.3
47.5°	500.8
50°	370.1
52.5°	264.3
55°	188.0
57.5°	129.2
60°	85.2
62.5°	55.8
65°	36.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	25.0
70°	16.2
72.5°	10.3
75°	7.3
77.5°	4.4
80°	2.9
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)