

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: P250978

Luminaire Tested: **LSR8B60D010 EC8B60950 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250978  
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 EC8B60950 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5668.0 lumens  
Efficiency: N/A  
Efficacy: 95.3 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

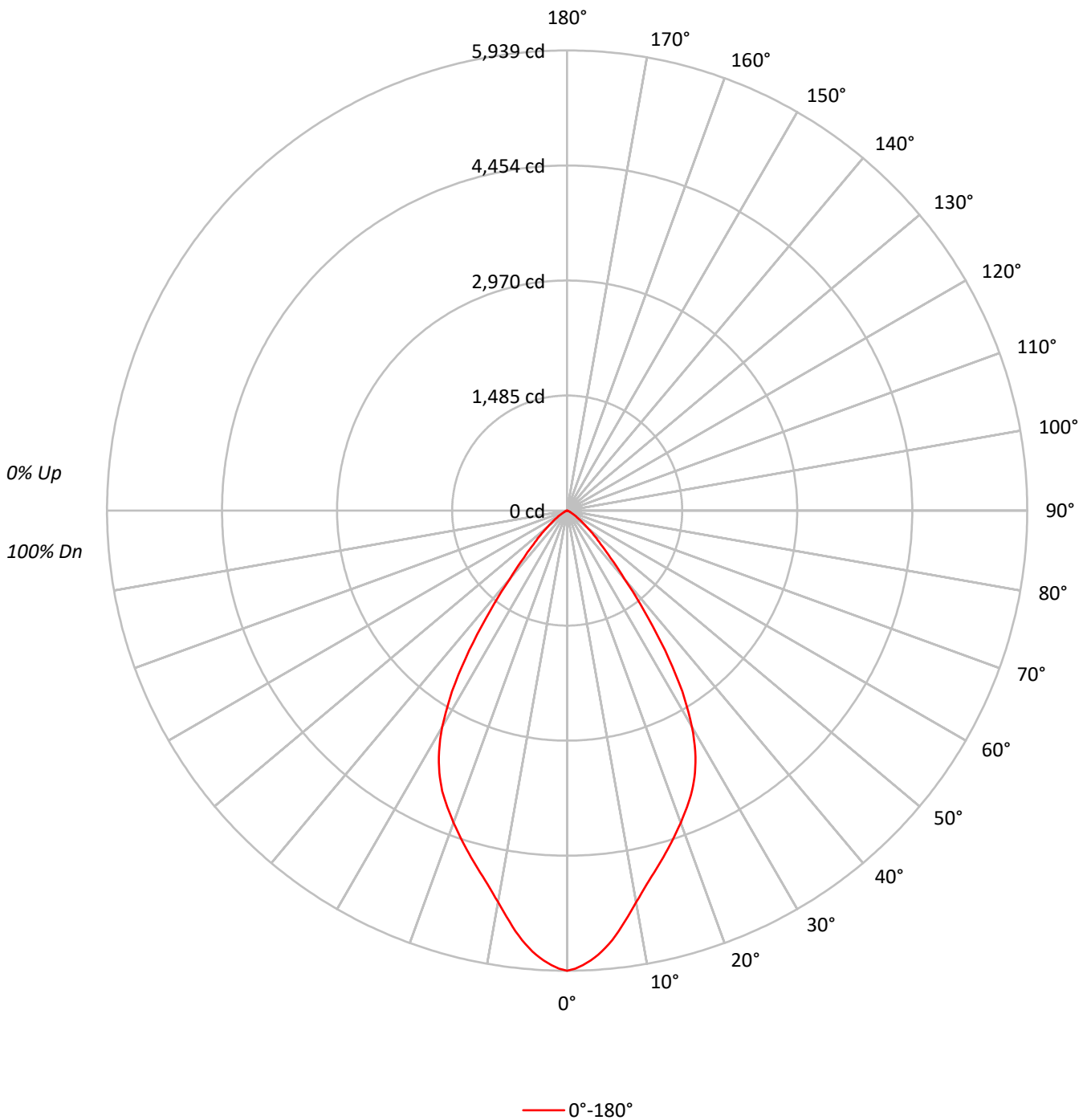
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	183146
5°	175380
10°	160700
15°	149532
20°	140643
25°	131588
30°	114757
35°	82938
40°	46497
45°	26750
50°	16368
55°	9317
60°	4841
65°	2474
70°	1343
75°	810
80°	479
85°	495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	523.1	9.2
10°-20°	1316.8	23.2
20°-30°	1757.0	31.0
30°-40°	1354.3	23.9
40°-50°	504.9	8.9
50°-60°	165.1	2.9
60°-70°	38.1	0.7
70°-80°	7.7	0.1
80°-90°	1.1	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°	3596.8	63.5
0°-40°	4951.1	87.4
0°-60°	5621.1	99.2
0°-90°	5668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5668.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5939	
5°	5666	523
15°	4684	1317
25°	3868	1757
35°	2203	1354
45°	613	505
55°	173	165
65°	34	38
75°	7	8
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5939.3
1°	5913.6
2°	5870.2
3°	5814.7
4°	5747.0
5°	5665.8
6°	5573.7
7°	5468.1
8°	5355.7
9°	5239.2
10°	5132.2
11°	5029.3
12°	4933.2
13°	4845.2
14°	4763.9
15°	4684.0
16°	4602.8
17°	4524.2
18°	4443.0
19°	4363.1
20°	4285.9
21°	4206.0
22°	4128.8
23°	4047.6
24°	3962.2
25°	3867.5
26°	3763.2
27°	3648.1
28°	3520.8
29°	3378.6
30°	3222.9
32.5°	2766.5
35°	2203.2
37.5°	1631.8
40°	1155.1
42.5°	827.4
45°	613.4
47.5°	461.8
50°	341.2
52.5°	243.7
55°	173.3
57.5°	119.2
60°	78.5
62.5°	51.5
65°	33.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	23.0
70°	14.9
72.5°	9.5
75°	6.8
77.5°	4.1
80°	2.7
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)