

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: P250956

Luminaire Tested: **LSR8B60D010 EC8B609727 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B609727 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3933.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

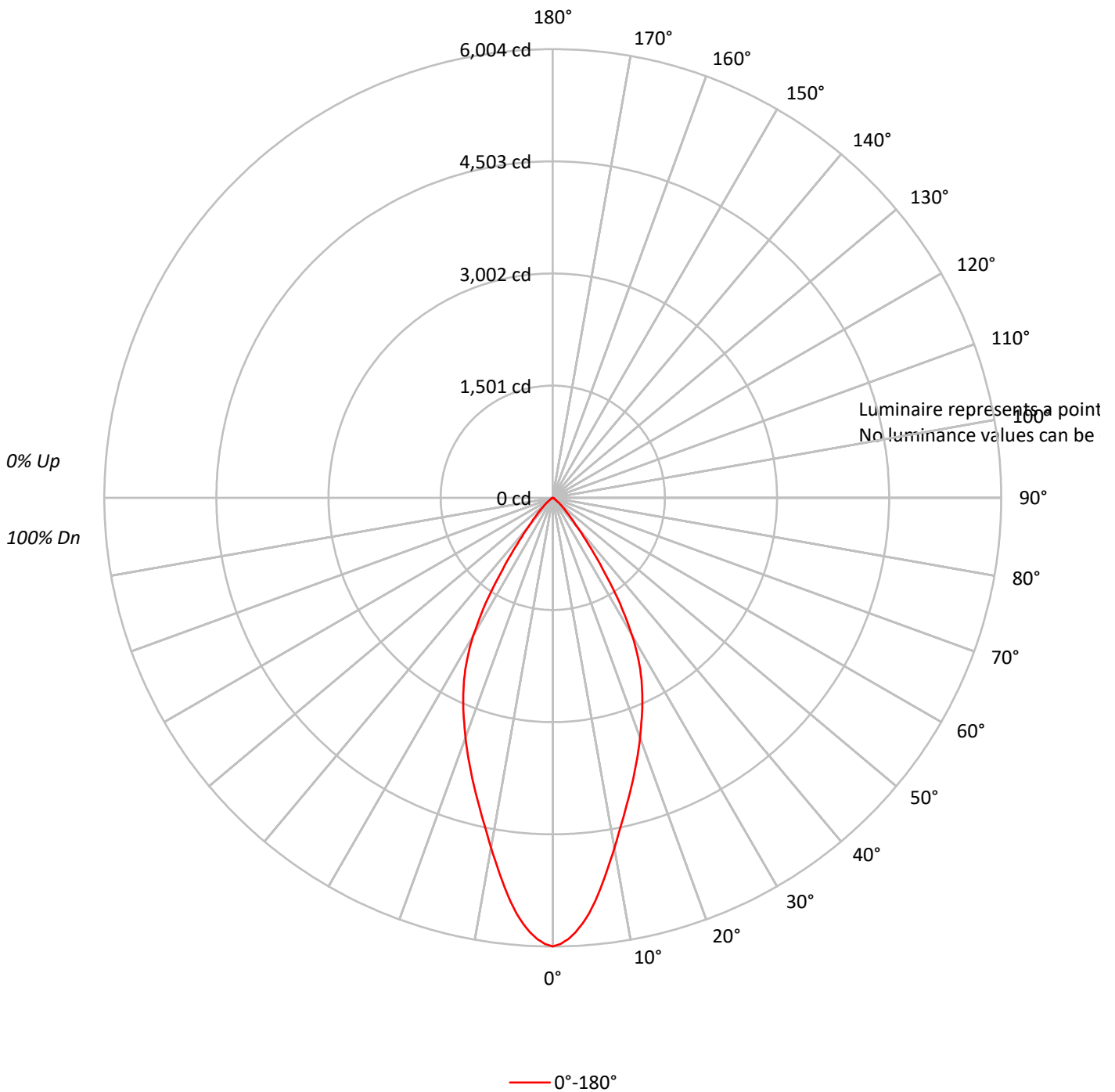
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P250956

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBN0H

### Luminous Intensity Polar Plot





TEST NUMBER: P250956

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBN0H

**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	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

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





TEST NUMBER: P250956

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBN0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	504.9	12.8
10°-20°	1128.3	28.7
20°-30°	1282.8	32.6
30°-40°	753.4	19.2
40°-50°	202.2	5.1
50°-60°	48.0	1.2
60°-70°	10.9	0.3
70°-80°	2.5	0.1
80°-90°	0.2	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°	2915.9	74.1
0°-40°	3669.3	93.3
0°-60°	3919.4	99.7
0°-90°	3933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6004	
5°	5579	505
15°	4035	1128
25°	2830	1283
35°	1173	753
45°	242	202
55°	48	48
65°	11	11
75°	3	2
85°	0	0
90°	0	



TEST NUMBER: P250956

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBN0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6003.8
1°	5970.6
2°	5909.5
3°	5823.1
4°	5711.5
5°	5578.7
6°	5428.6
7°	5258.6
8°	5088.6
9°	4917.2
10°	4753.9
11°	4594.5
12°	4444.4
13°	4304.9
14°	4165.4
15°	4035.3
16°	3907.8
17°	3781.6
18°	3659.4
19°	3535.8
20°	3415.0
21°	3294.1
22°	3178.5
23°	3064.3
24°	2947.4
25°	2830.5
26°	2709.7
27°	2578.2
28°	2440.0
29°	2288.6
30°	2125.2
32.5°	1667.0
35°	1172.9
37.5°	773.1
40°	506.1
42.5°	349.3
45°	241.7
47.5°	166.0
50°	110.2
52.5°	71.7
55°	47.8
57.5°	31.9
60°	21.3
62.5°	14.6
65°	10.6



TEST NUMBER: P250956

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBN0H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	6.6
70°	4.0
72.5°	2.7
75°	2.7
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)