

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: P251328

Luminaire Tested: **LSR8B60D010 EC8B60827 8LBW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60827 8LBW0B  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3724.0 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

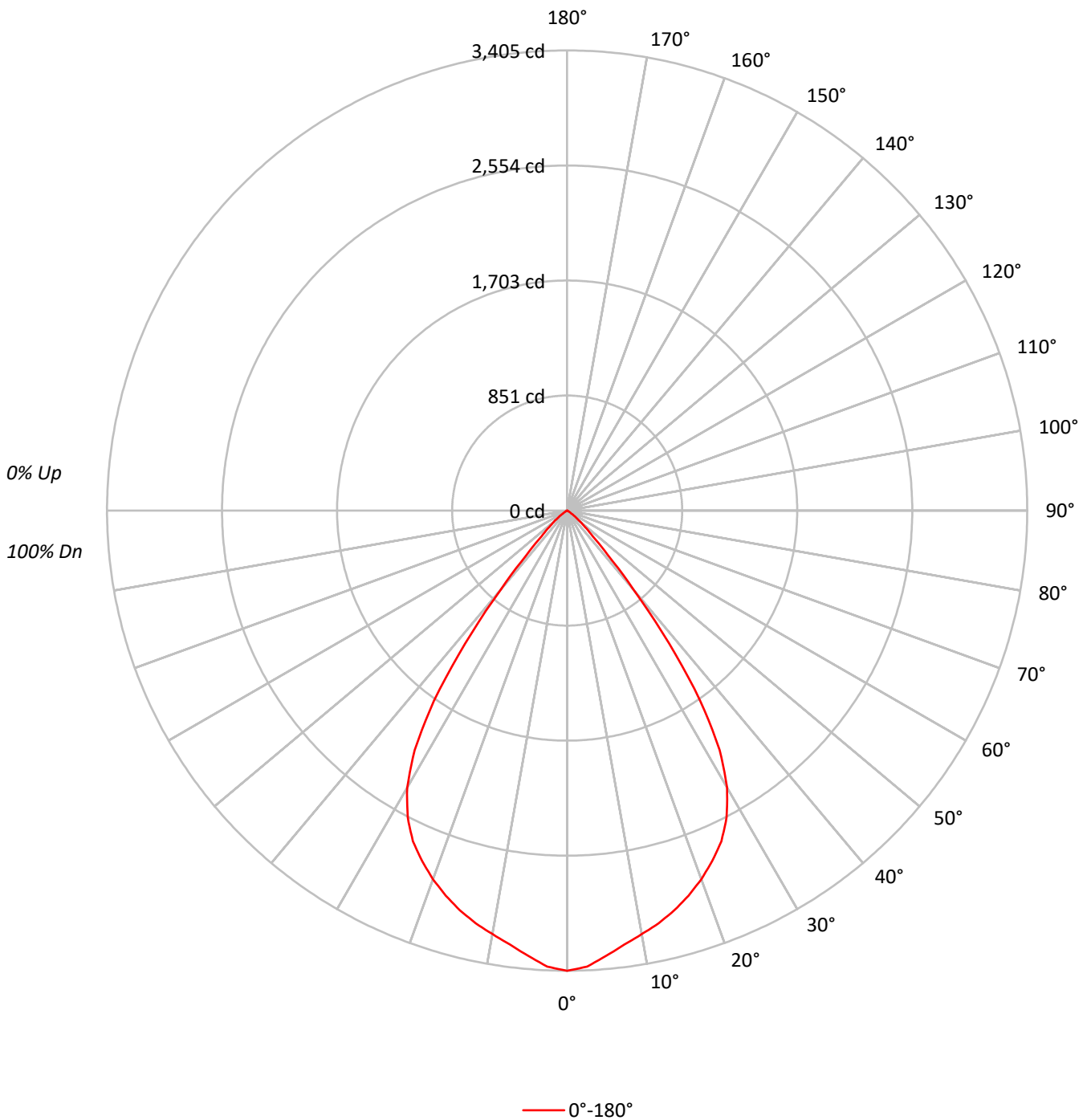
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251328

CATALOG NUMBER: LSR8B60D010 EC8B60827 8LBW0B

### Luminous Intensity Polar Plot





TEST NUMBER: P251328

CATALOG NUMBER: LSR8B60D010 EC8B60827 8LBW0B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	101	99	98	98	97	96	95	95	93
2	107	102	98	95	105	101	97	94	97	94	92	92	94	92	90	90	92	90	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	84	89	85	82	82	86	84	81	81	80
4	96	88	83	78	94	87	82	78	85	80	77	77	83	79	76	76	81	78	75	75	74
5	91	82	76	72	89	81	76	71	80	75	71	71	78	74	70	70	76	73	70	70	68
6	86	77	71	66	85	76	70	66	74	69	65	65	73	68	65	65	72	68	65	65	63
7	82	72	66	61	80	71	65	61	70	64	61	61	69	64	60	60	67	63	60	60	58
8	77	67	61	57	76	67	61	57	66	60	56	56	65	60	56	56	64	59	56	56	54
9	73	63	57	53	72	63	57	53	62	56	52	52	61	56	52	52	60	55	52	52	51
10	70	59	53	49	68	59	53	49	58	53	49	49	57	52	49	49	57	52	49	49	47

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

	0°
0°	105010
5°	102368
10°	99644
15°	97790
20°	95246
25°	91868
30°	84292
35°	64631
40°	30750
45°	11709
50°	5714
55°	2339
60°	586
65°	139
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P251328

CATALOG NUMBER: LSR8B60D010 EC8B60827 8LBW0B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.8	8.4
10°-20°	862.0	23.1
20°-30°	1230.8	33.1
30°-40°	1020.1	27.4
40°-50°	251.5	6.8
50°-60°	45.3	1.2
60°-70°	2.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	2404.6	64.6
0°-40°	3424.6	92.0
0°-60°	3721.4	99.9
0°-90°	3724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3405	
5°	3307	312
15°	3063	862
25°	2700	1231
35°	1717	1020
45°	268	252
55°	44	45
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P251328

CATALOG NUMBER: LSR8B60D010 EC8B60827 8LBW0B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3405.4
2.5°	3377.1
5°	3307.1
7.5°	3239.0
10°	3182.3
12.5°	3127.5
15°	3063.2
17.5°	2987.5
20°	2902.5
22.5°	2806.0
25°	2700.1
27.5°	2556.4
30°	2367.3
32.5°	2100.7
35°	1716.9
37.5°	1240.4
40°	763.9
42.5°	444.4
45°	268.5
47.5°	177.7
50°	119.1
52.5°	77.5
55°	43.5
57.5°	20.8
60°	9.5
62.5°	3.8
65°	1.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)