

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: P251472

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60930 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5788.8 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

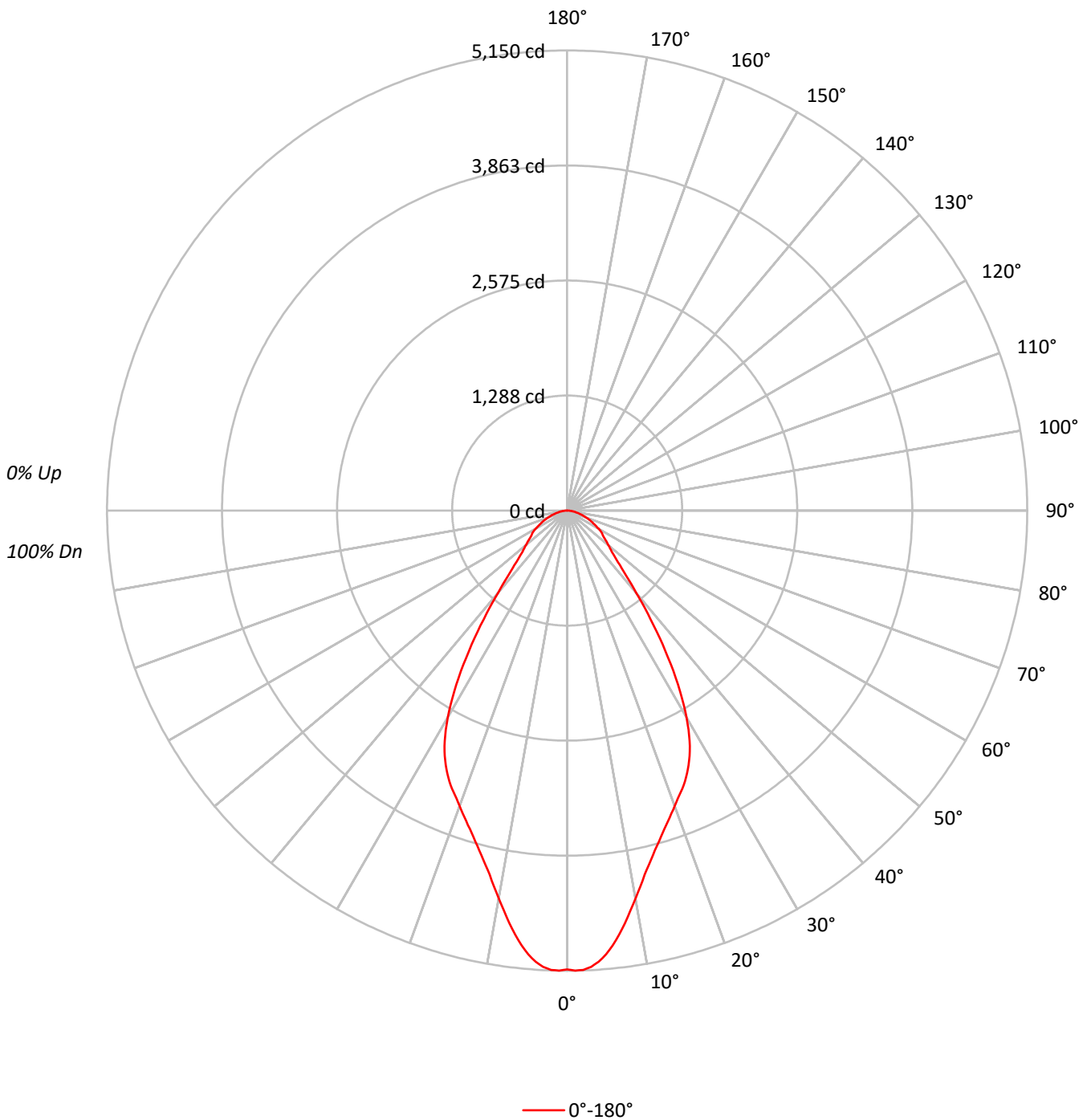
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251472

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBM0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P251472

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBM0MW

**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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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

	0°
0°	158351
5°	154337
10°	137973
15°	123987
20°	115467
25°	108778
30°	95109
35°	72062
40°	48401
45°	34115
50°	28932
55°	26381
60°	25002
65°	22488
70°	20232
75°	18193
80°	16018
85°	15426



TEST NUMBER: P251472

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBM0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.4	7.9
10°-20°	1095.3	18.9
20°-30°	1451.4	25.1
30°-40°	1190.2	20.6
40°-50°	634.0	11.0
50°-60°	446.2	7.7
60°-70°	307.7	5.3
70°-80°	160.2	2.8
80°-90°	47.4	0.8
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°	3003.1	51.9
0°-40°	4193.3	72.4
0°-60°	5273.5	91.1
0°-90°	5788.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5788.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5135	
5°	4986	456
15°	3884	1095
25°	3197	1451
35°	1914	1190
45°	782	634
55°	491	446
65°	308	308
75°	153	160
85°	44	47
90°	0	



TEST NUMBER: P251472

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBM0MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5135.2
1°	5149.8
2°	5143.5
3°	5113.1
4°	5061.0
5°	4986.0
6°	4892.3
7°	4779.7
8°	4659.1
9°	4530.5
10°	4406.4
11°	4287.6
12°	4167.0
13°	4066.3
14°	3970.9
15°	3883.8
16°	3801.8
17°	3726.1
18°	3655.9
19°	3585.9
20°	3518.7
21°	3453.2
22°	3396.2
23°	3337.9
24°	3269.3
25°	3197.1
26°	3115.3
27°	3022.9
28°	2918.9
29°	2803.5
30°	2671.1
31°	2532.2
32°	2386.4
33°	2230.9
34°	2074.7
35°	1914.3
37.5°	1534.0
40°	1202.4
42.5°	949.6
45°	782.3
47.5°	671.8
50°	603.1
52.5°	542.8
55°	490.7
57.5°	458.8



TEST NUMBER: P251472

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBM0MW

**CANDELA DISTRIBUTION (continued):**

	0°
60°	405.4
62.5°	353.5
65°	308.2
67.5°	268.0
70°	224.4
72.5°	187.3
75°	152.7
77.5°	110.4
80°	90.2
82.5°	65.2
85°	43.6
87.5°	20.3
90°	0.0

(END OF REPORT)