

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: P251474

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251474  
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 EC8B60935 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5330.0 lumens  
Efficiency: N/A  
Efficacy: 89.6 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

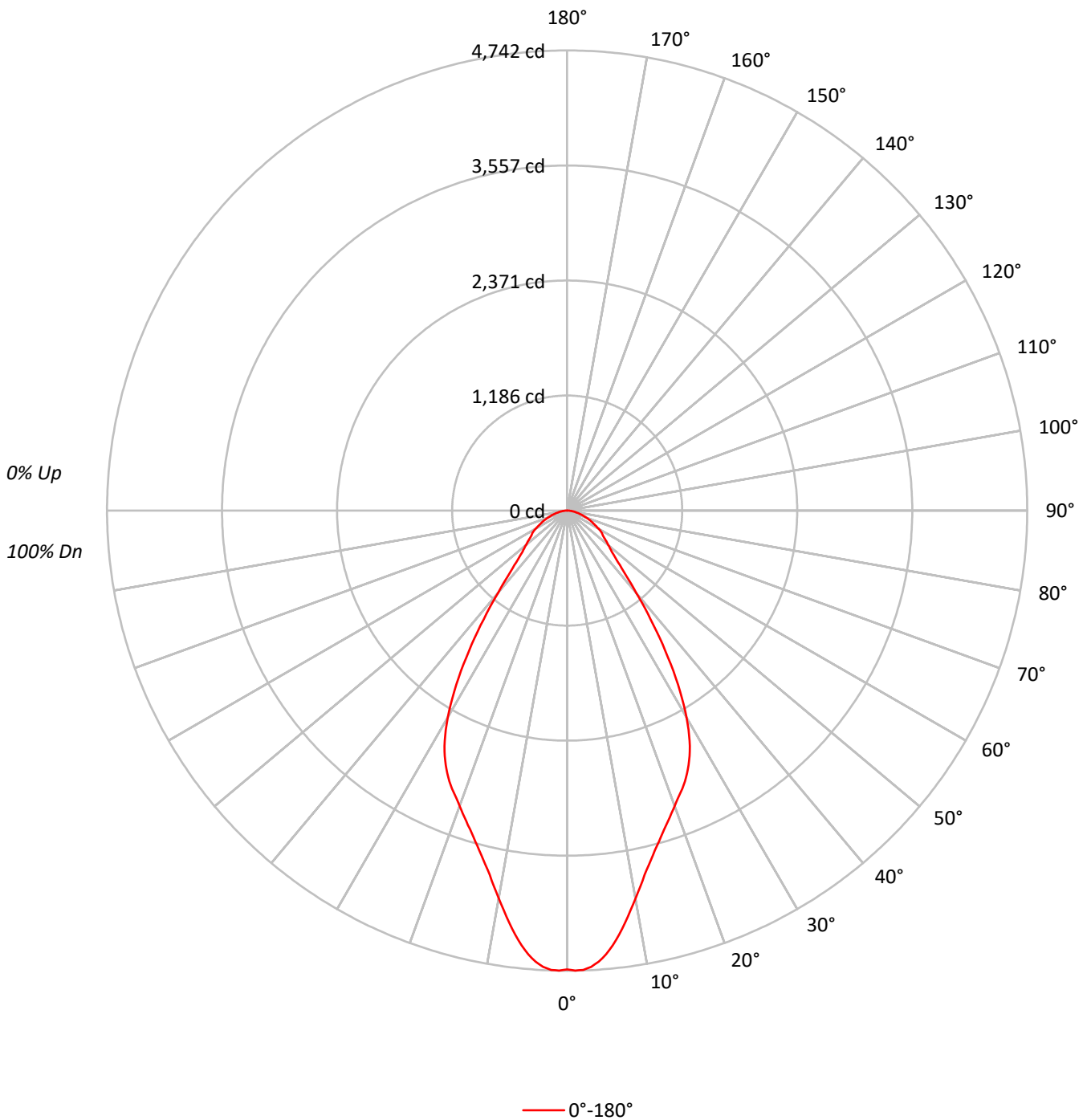
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251474

CATALOG NUMBER: LSR8B60D010 EC8B60935 8LBM0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P251474

CATALOG NUMBER: LSR8B60D010 EC8B60935 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°	145800
5°	142104
10°	127036
15°	114161
20°	106315
25°	100157
30°	87571
35°	66352
40°	44565
45°	31412
50°	26639
55°	24289
60°	23016
65°	20707
70°	18627
75°	16751
80°	14757
85°	14223



TEST NUMBER: P251474

CATALOG NUMBER: LSR8B60D010 EC8B60935 8LBM0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.2	7.9
10°-20°	1008.5	18.9
20°-30°	1336.4	25.1
30°-40°	1095.8	20.6
40°-50°	583.8	11.0
50°-60°	410.9	7.7
60°-70°	283.3	5.3
70°-80°	147.5	2.8
80°-90°	43.7	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°	2765.1	51.9
0°-40°	3860.9	72.4
0°-60°	4855.5	91.1
0°-90°	5330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4728	
5°	4591	420
15°	3576	1008
25°	2944	1336
35°	1763	1096
45°	720	584
55°	452	411
65°	284	283
75°	141	148
85°	40	44
90°	0	



TEST NUMBER: P251474

CATALOG NUMBER: LSR8B60D010 EC8B60935 8LBM0MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4728.2
1°	4741.6
2°	4735.8
3°	4707.8
4°	4659.8
5°	4590.8
6°	4504.5
7°	4400.9
8°	4289.8
9°	4171.5
10°	4057.1
11°	3947.8
12°	3836.7
13°	3744.0
14°	3656.2
15°	3576.0
16°	3500.4
17°	3430.8
18°	3366.2
19°	3301.6
20°	3239.8
21°	3179.5
22°	3127.0
23°	3073.3
24°	3010.2
25°	2943.7
26°	2868.3
27°	2783.3
28°	2687.5
29°	2581.3
30°	2459.4
31°	2331.5
32°	2197.2
33°	2054.1
34°	1910.3
35°	1762.6
37.5°	1412.4
40°	1107.1
42.5°	874.3
45°	720.3
47.5°	618.6
50°	555.3
52.5°	499.8
55°	451.8
57.5°	422.5



TEST NUMBER: P251474

CATALOG NUMBER: LSR8B60D010 EC8B60935 8LBM0MW

**CANDELA DISTRIBUTION (continued):**

	0°
60°	373.2
62.5°	325.4
65°	283.8
67.5°	246.8
70°	206.6
72.5°	172.5
75°	140.6
77.5°	101.7
80°	83.1
82.5°	60.1
85°	40.2
87.5°	18.7
90°	0.0

(END OF REPORT)