

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: P251478

Luminaire Tested: **LSR8B60D010 EC8B60950 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251478
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 EC8B60950 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5764.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

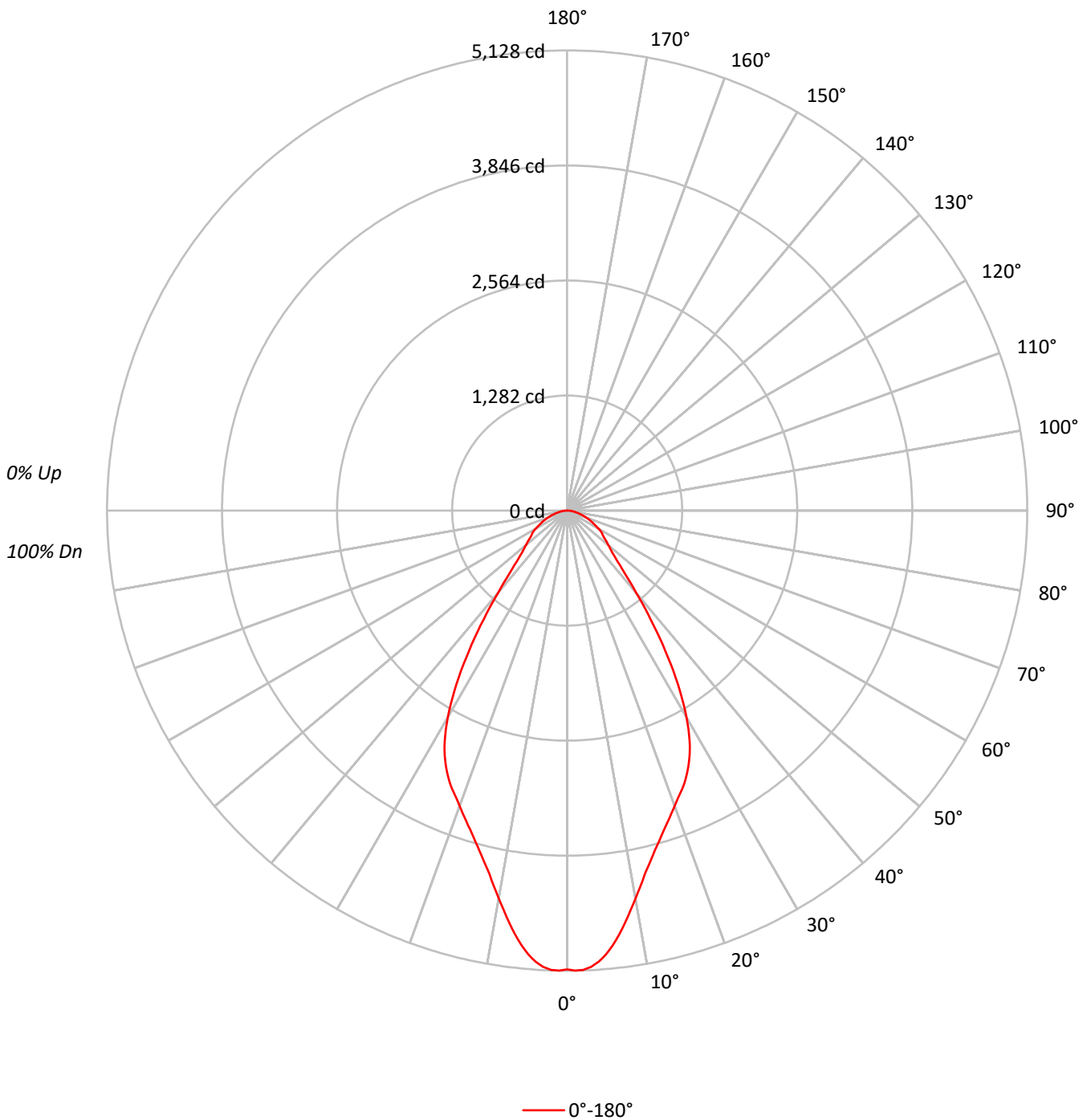
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	157672
5°	153675
10°	137381
15°	123457
20°	114972
25°	108312
30°	94700
35°	71757
40°	48192
45°	33972
50°	28808
55°	26268
60°	24891
65°	22393
70°	20142
75°	18122
80°	15947
85°	15355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.4	7.9
10°-20°	1090.6	18.9
20°-30°	1445.2	25.1
30°-40°	1185.1	20.6
40°-50°	631.3	11.0
50°-60°	444.3	7.7
60°-70°	306.4	5.3
70°-80°	159.5	2.8
80°-90°	47.2	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°	2990.2	51.9
0°-40°	4175.3	72.4
0°-60°	5250.9	91.1
0°-90°	5764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5113	
5°	4965	454
15°	3867	1091
25°	3183	1445
35°	1906	1185
45°	779	631
55°	489	444
65°	307	306
75°	152	160
85°	43	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5113.2
1°	5127.7
2°	5121.5
3°	5091.1
4°	5039.2
5°	4964.6
6°	4871.3
7°	4759.2
8°	4639.1
9°	4511.1
10°	4387.5
11°	4269.2
12°	4149.1
13°	4048.9
14°	3953.9
15°	3867.2
16°	3785.4
17°	3710.1
18°	3640.3
19°	3570.5
20°	3503.6
21°	3438.4
22°	3381.7
23°	3323.6
24°	3255.3
25°	3183.4
26°	3101.8
27°	3009.9
28°	2906.3
29°	2791.5
30°	2659.6
31°	2521.3
32°	2376.2
33°	2221.3
34°	2065.8
35°	1906.2
37.5°	1527.4
40°	1197.2
42.5°	945.5
45°	779.0
47.5°	669.0
50°	600.5
52.5°	540.5
55°	488.6
57.5°	456.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	403.6
62.5°	351.9
65°	306.9
67.5°	266.9
70°	223.4
72.5°	186.5
75°	152.1
77.5°	110.0
80°	89.8
82.5°	65.0
85°	43.4
87.5°	20.2
90°	0.0

(END OF REPORT)