

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: P250974

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5242.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

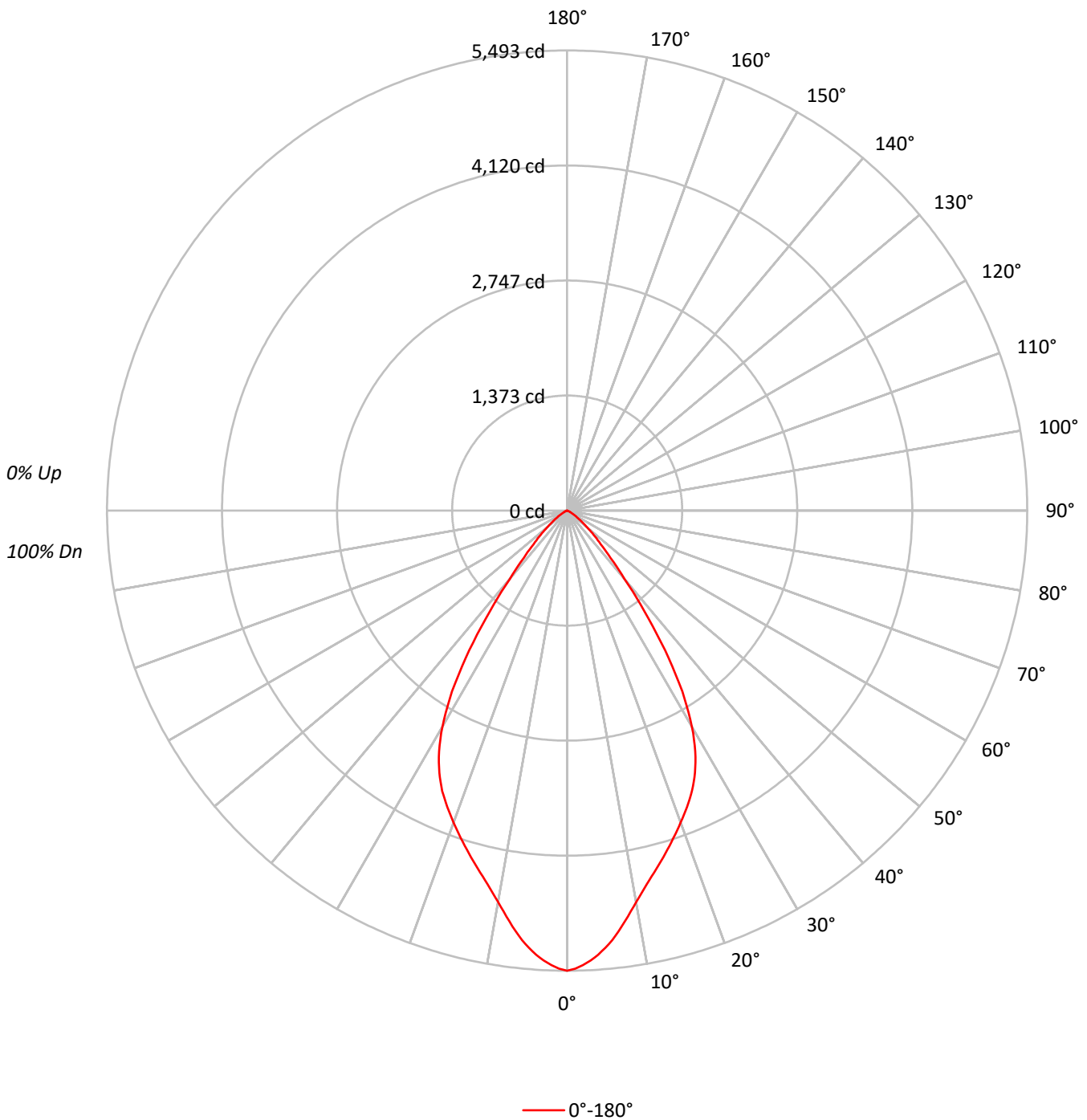
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169381
5°	162196
10°	148622
15°	138295
20°	130073
25°	121697
30°	106133
35°	76704
40°	43003
45°	24739
50°	15140
55°	8618
60°	4477
65°	2284
70°	1244
75°	751
80°	444
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.8	9.2
10°-20°	1217.8	23.2
20°-30°	1624.9	31.0
30°-40°	1252.5	23.9
40°-50°	467.0	8.9
50°-60°	152.7	2.9
60°-70°	35.2	0.7
70°-80°	7.1	0.1
80°-90°	1.0	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°	3326.5	63.5
0°-40°	4579.0	87.4
0°-60°	5198.7	99.2
0°-90°	5242.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5242.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5493	
5°	5240	484
15°	4332	1218
25°	3577	1625
35°	2038	1252
45°	567	467
55°	160	153
65°	31	35
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5492.9
1°	5469.1
2°	5429.0
3°	5377.7
4°	5315.1
5°	5239.9
6°	5154.8
7°	5057.1
8°	4953.1
9°	4845.4
10°	4746.5
11°	4651.3
12°	4562.4
13°	4481.0
14°	4405.9
15°	4332.0
16°	4256.8
17°	4184.2
18°	4109.0
19°	4035.2
20°	3963.8
21°	3889.9
22°	3818.5
23°	3743.4
24°	3664.5
25°	3576.8
26°	3480.4
27°	3373.9
28°	3256.2
29°	3124.7
30°	2980.7
32.5°	2558.6
35°	2037.6
37.5°	1509.1
40°	1068.3
42.5°	765.2
45°	567.3
47.5°	427.1
50°	315.6
52.5°	225.4
55°	160.3
57.5°	110.2
60°	72.6
62.5°	47.6
65°	31.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.3
70°	13.8
72.5°	8.8
75°	6.3
77.5°	3.8
80°	2.5
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)