

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: P251142

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60935 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4962.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

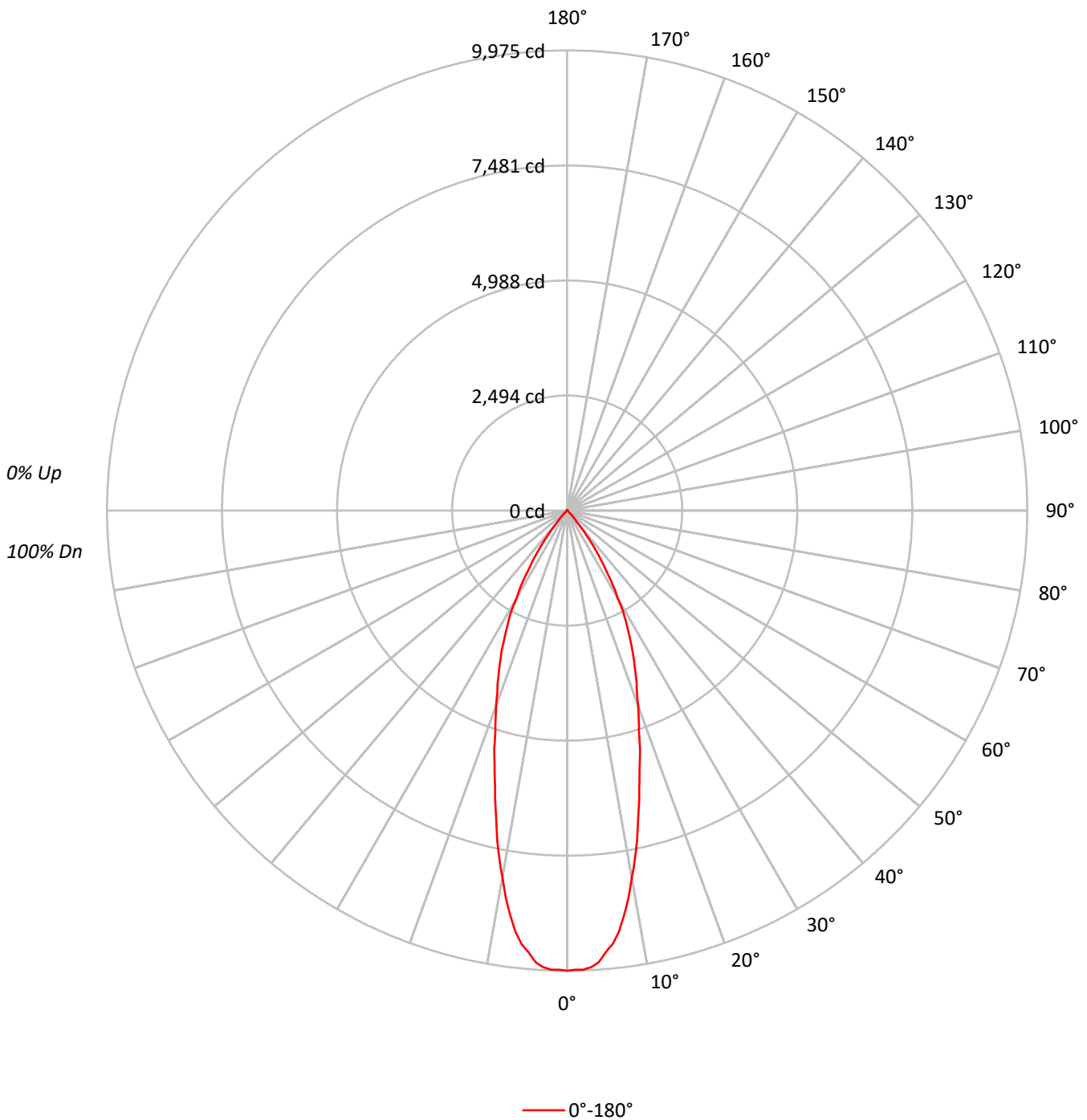
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	307586
5°	297453
10°	252967
15°	193074
20°	147557
25°	114345
30°	77989
35°	45821
40°	14008
45°	5512
50°	82
55°	91
60°	105
65°	255
70°	469
75°	417
80°	302
85°	1840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.2	17.6
10°-20°	1688.1	34.0
20°-30°	1519.8	30.6
30°-40°	752.0	15.2
40°-50°	114.4	2.3
50°-60°	4.7	0.1
60°-70°	6.1	0.1
70°-80°	2.3	0.0
80°-90°	3.5	0.1
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°	4079.1	82.2
0°-40°	4831.1	97.4
0°-60°	4950.1	99.8
0°-90°	4962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9975	
5°	9610	871
15°	6048	1688
25°	3361	1520
35°	1217	752
45°	126	114
55°	2	5
65°	4	6
75°	4	2
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9974.8
1°	9954.1
2°	9959.2
3°	9909.0
4°	9817.3
5°	9609.5
6°	9450.2
7°	9197.4
8°	8858.1
9°	8504.8
10°	8078.9
11°	7698.0
12°	7289.4
13°	6837.4
14°	6447.9
15°	6047.9
16°	5706.8
17°	5405.6
18°	5035.0
19°	4763.1
20°	4496.6
21°	4219.5
22°	4016.9
23°	3781.5
24°	3565.0
25°	3360.7
26°	3120.0
27°	2903.6
28°	2709.7
29°	2496.7
30°	2190.3
31°	2017.1
32°	1799.0
33°	1560.0
34°	1378.2
35°	1217.2
37.5°	770.5
40°	348.0
42.5°	237.2
45°	126.4
47.5°	71.0
50°	1.7
52.5°	6.9
55°	1.7
57.5°	10.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	1.7
62.5°	8.7
65°	3.5
67.5°	8.7
70°	5.2
72.5°	1.7
75°	3.5
77.5°	0.0
80°	1.7
82.5°	6.9
85°	5.2
87.5°	0.0
90°	0.0

(END OF REPORT)