

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: P251132

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251132
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 EC8B60835 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5818.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

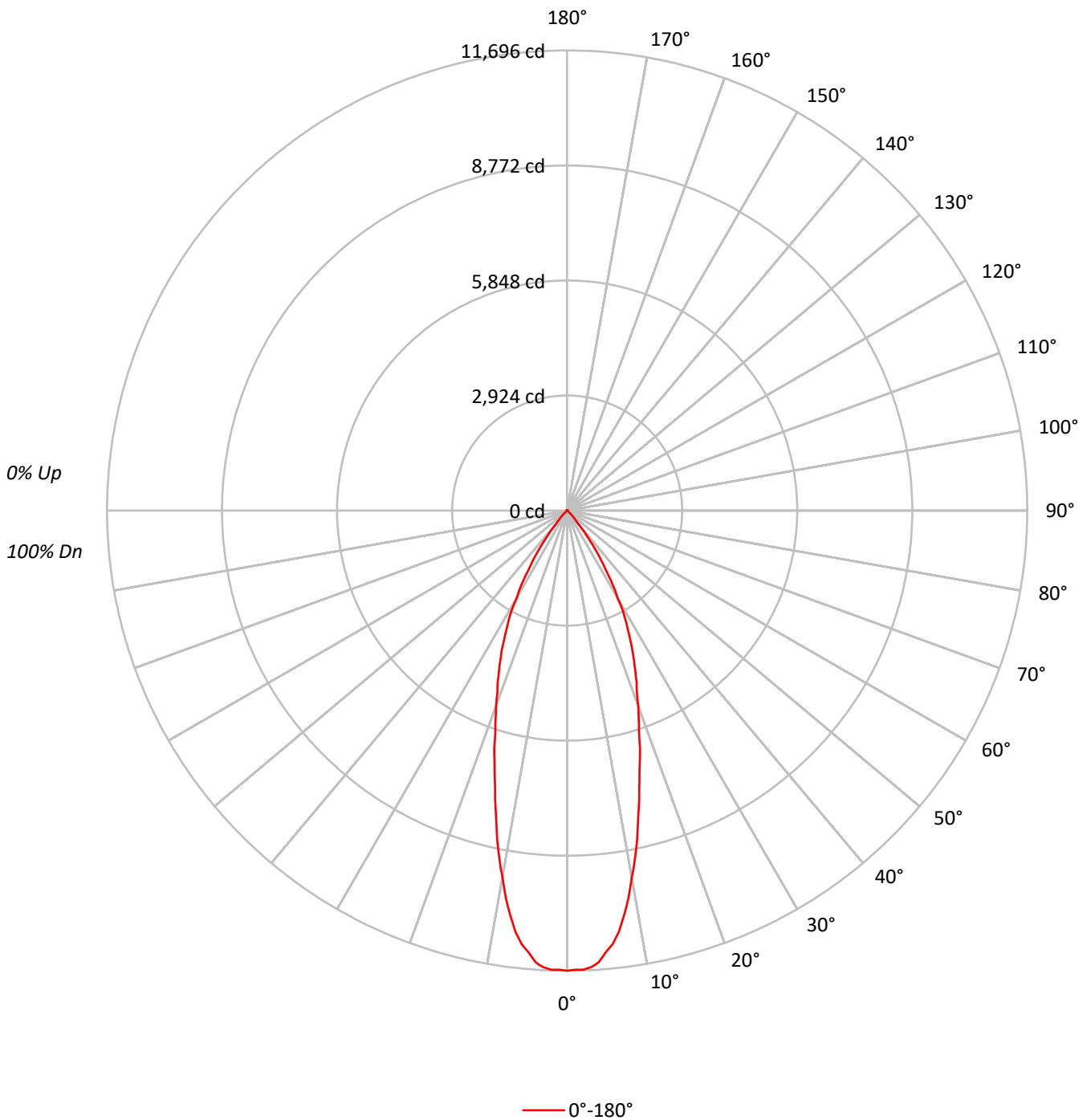
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	360649
5°	348766
10°	296603
15°	226380
20°	173012
25°	134072
30°	91442
35°	53722
40°	16428
45°	6463
50°	96
55°	108
60°	123
65°	299
70°	550
75°	488
80°	355
85°	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.4	17.6
10°-20°	1979.3	34.0
20°-30°	1782.0	30.6
30°-40°	881.7	15.2
40°-50°	134.1	2.3
50°-60°	5.5	0.1
60°-70°	7.1	0.1
70°-80°	2.7	0.0
80°-90°	4.1	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°	4782.8	82.2
0°-40°	5664.5	97.4
0°-60°	5804.0	99.8
0°-90°	5818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5818.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11696	
5°	11267	###
15°	7091	1979
25°	3940	1782
35°	1427	882
45°	148	134
55°	2	5
65°	4	7
75°	4	3
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11695.6
1°	11671.3
2°	11677.3
3°	11618.4
4°	11510.8
5°	11267.2
6°	11080.5
7°	10784.1
8°	10386.2
9°	9972.0
10°	9472.5
11°	9026.0
12°	8546.9
13°	8017.0
14°	7560.2
15°	7091.2
16°	6691.3
17°	6338.1
18°	5903.6
19°	5584.8
20°	5272.3
21°	4947.4
22°	4709.9
23°	4433.8
24°	4180.0
25°	3940.5
26°	3658.3
27°	3404.6
28°	3177.1
29°	2927.4
30°	2568.1
31°	2365.1
32°	2109.3
33°	1829.1
34°	1616.0
35°	1427.1
37.5°	903.4
40°	408.1
42.5°	278.1
45°	148.2
47.5°	83.2
50°	2.0
52.5°	8.1
55°	2.0
57.5°	12.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.0
62.5°	10.2
65°	4.1
67.5°	10.2
70°	6.1
72.5°	2.0
75°	4.1
77.5°	0.0
80°	2.0
82.5°	8.1
85°	6.1
87.5°	0.0
90°	0.0

(END OF REPORT)