

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: P251146

Luminaire Tested: **LSR8B60D010 EC8B60950 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251146
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 EC8B60950 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5365.0 lumens
Efficiency: N/A
Efficacy: 90.2 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

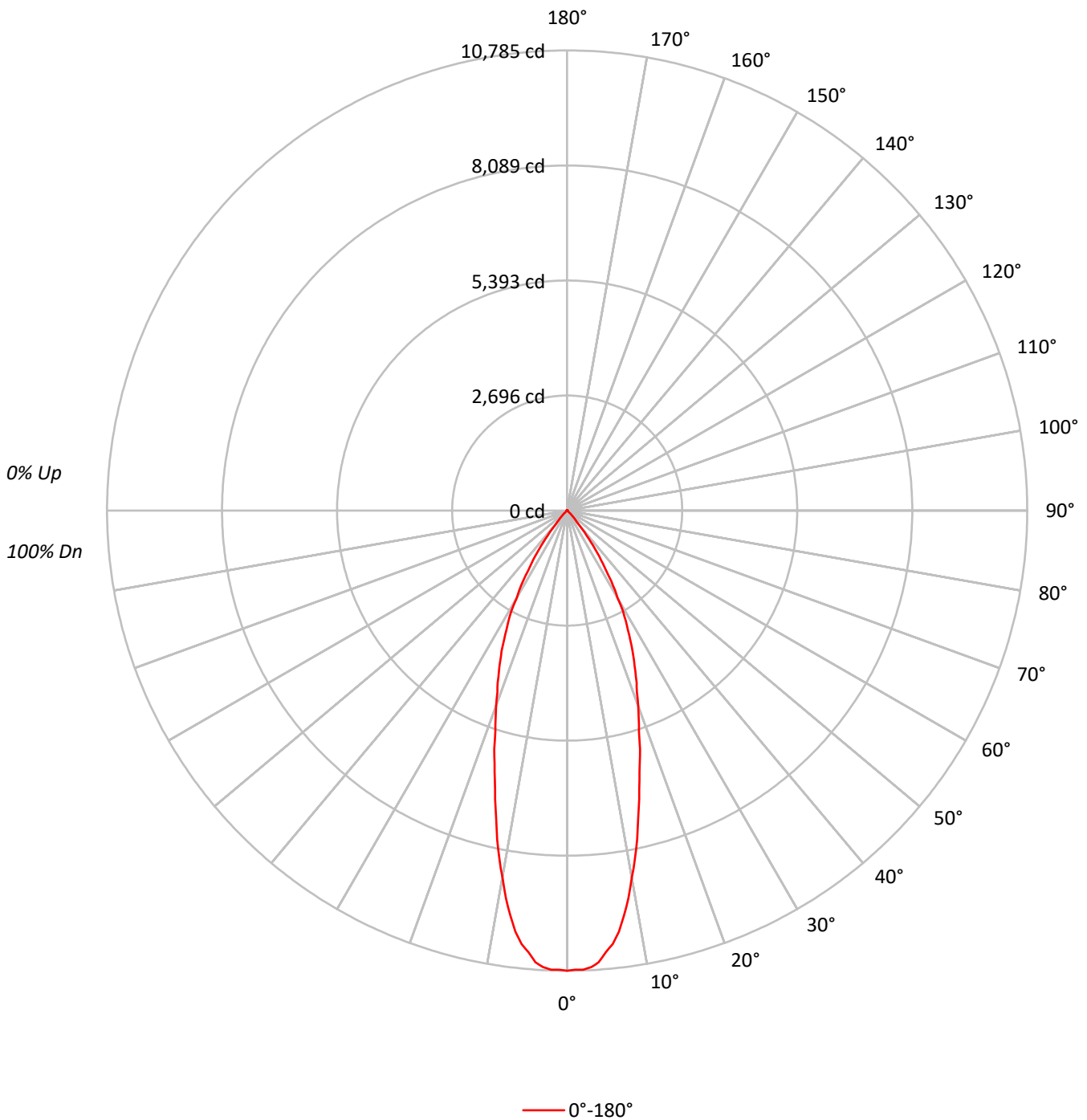
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	332570
5°	321610
10°	273510
15°	208755
20°	159542
25°	123630
30°	84320
35°	49540
40°	15148
45°	5957
50°	91
55°	102
60°	117
65°	277
70°	505
75°	453
80°	337
85°	1981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	941.9	17.6
10°-20°	1825.2	34.0
20°-30°	1643.3	30.6
30°-40°	813.0	15.2
40°-50°	123.7	2.3
50°-60°	5.1	0.1
60°-70°	6.6	0.1
70°-80°	2.5	0.0
80°-90°	3.8	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°	4410.4	82.2
0°-40°	5223.4	97.4
0°-60°	5352.2	99.8
0°-90°	5365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5365.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10785	
5°	10390	942
15°	6539	1825
25°	3634	1643
35°	1316	813
45°	137	124
55°	2	5
65°	4	7
75°	4	2
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10785.0
1°	10762.5
2°	10768.1
3°	10713.8
4°	10614.6
5°	10389.9
6°	10217.7
7°	9944.4
8°	9577.5
9°	9195.5
10°	8735.0
11°	8323.2
12°	7881.4
13°	7392.8
14°	6971.6
15°	6539.1
16°	6170.3
17°	5844.6
18°	5443.9
19°	5150.0
20°	4861.8
21°	4562.2
22°	4343.2
23°	4088.6
24°	3854.5
25°	3633.6
26°	3373.4
27°	3139.5
28°	2929.8
29°	2699.5
30°	2368.1
31°	2181.0
32°	1945.1
33°	1686.7
34°	1490.1
35°	1316.0
37.5°	833.0
40°	376.3
42.5°	256.5
45°	136.6
47.5°	76.7
50°	1.9
52.5°	7.5
55°	1.9
57.5°	11.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	1.9
62.5°	9.4
65°	3.8
67.5°	9.4
70°	5.6
72.5°	1.9
75°	3.8
77.5°	0.0
80°	1.9
82.5°	7.5
85°	5.6
87.5°	0.0
90°	0.0

(END OF REPORT)