

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: P251148

Luminaire Tested: **LSR8B60D010 EC8B609727 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251148
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 EC8B609727 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4051.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

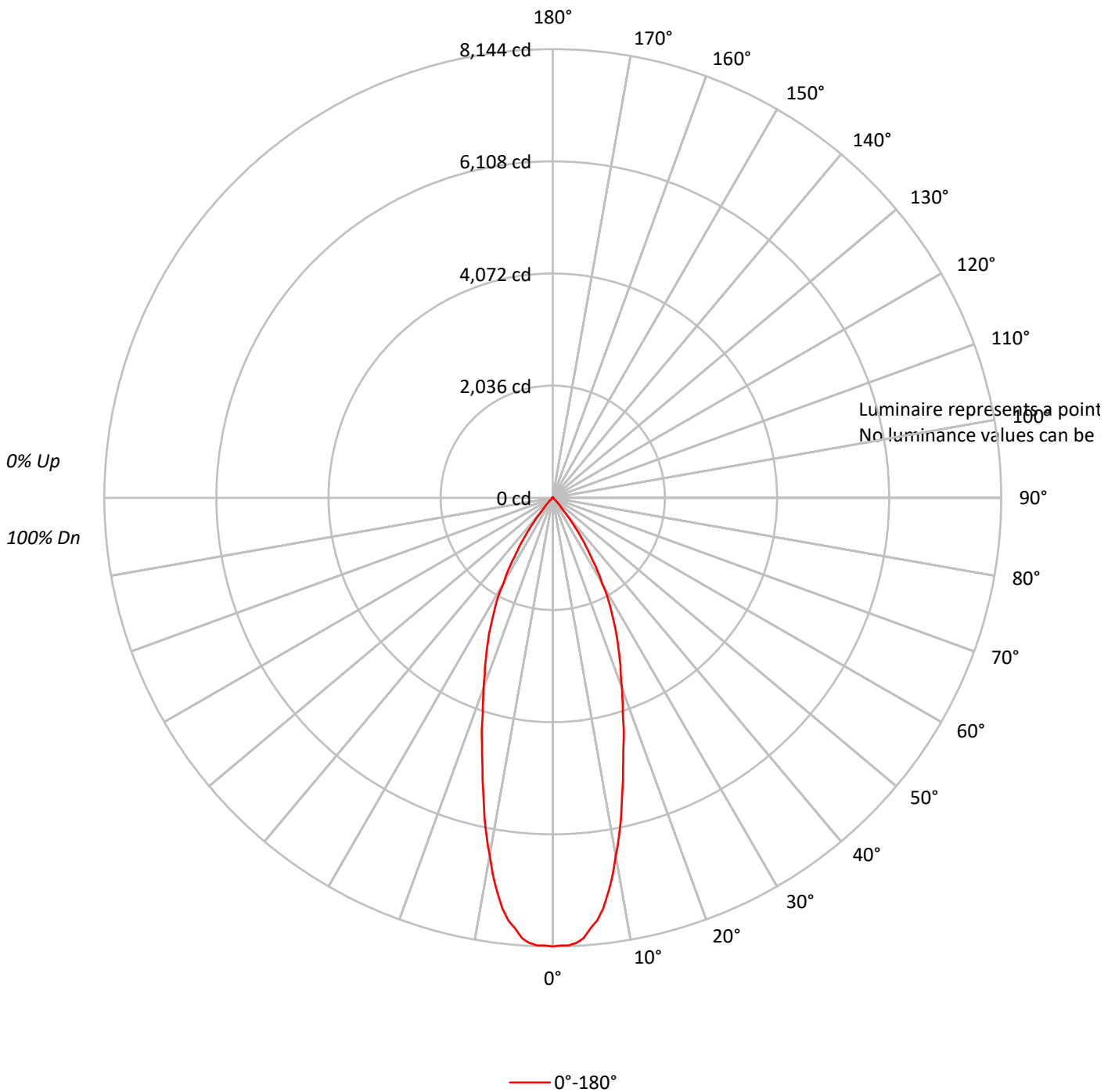
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.2	17.6
10°-20°	1378.2	34.0
20°-30°	1240.8	30.6
30°-40°	613.9	15.2
40°-50°	93.4	2.3
50°-60°	3.8	0.1
60°-70°	4.9	0.1
70°-80°	1.9	0.0
80°-90°	2.9	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°	3330.2	82.2
0°-40°	3944.1	97.4
0°-60°	4041.3	99.8
0°-90°	4051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4051.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8144	
5°	7845	711
15°	4938	1378
25°	2744	1241
35°	994	614
45°	103	93
55°	1	4
65°	3	5
75°	3	2
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8143.5
1°	8126.5
2°	8130.7
3°	8089.7
4°	8014.9
5°	7845.2
6°	7715.2
7°	7508.8
8°	7231.8
9°	6943.4
10°	6595.6
11°	6284.7
12°	5951.1
13°	5582.1
14°	5264.1
15°	4937.5
16°	4659.1
17°	4413.1
18°	4110.6
19°	3888.7
20°	3671.0
21°	3444.8
22°	3279.4
23°	3087.2
24°	2910.5
25°	2743.7
26°	2547.2
27°	2370.5
28°	2212.2
29°	2038.3
30°	1788.1
31°	1646.8
32°	1468.7
33°	1273.6
34°	1125.2
35°	993.7
37.5°	629.0
40°	284.1
42.5°	193.7
45°	103.2
47.5°	57.9
50°	1.4
52.5°	5.7
55°	1.4
57.5°	8.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	1.4
62.5°	7.1
65°	2.8
67.5°	7.1
70°	4.3
72.5°	1.4
75°	2.8
77.5°	0.0
80°	1.4
82.5°	5.7
85°	4.3
87.5°	0.0
90°	0.0

(END OF REPORT)