

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: P251150

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251150
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 EC8B60930 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4804.6 lumens
Efficiency: N/A
Efficacy: 80.7 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

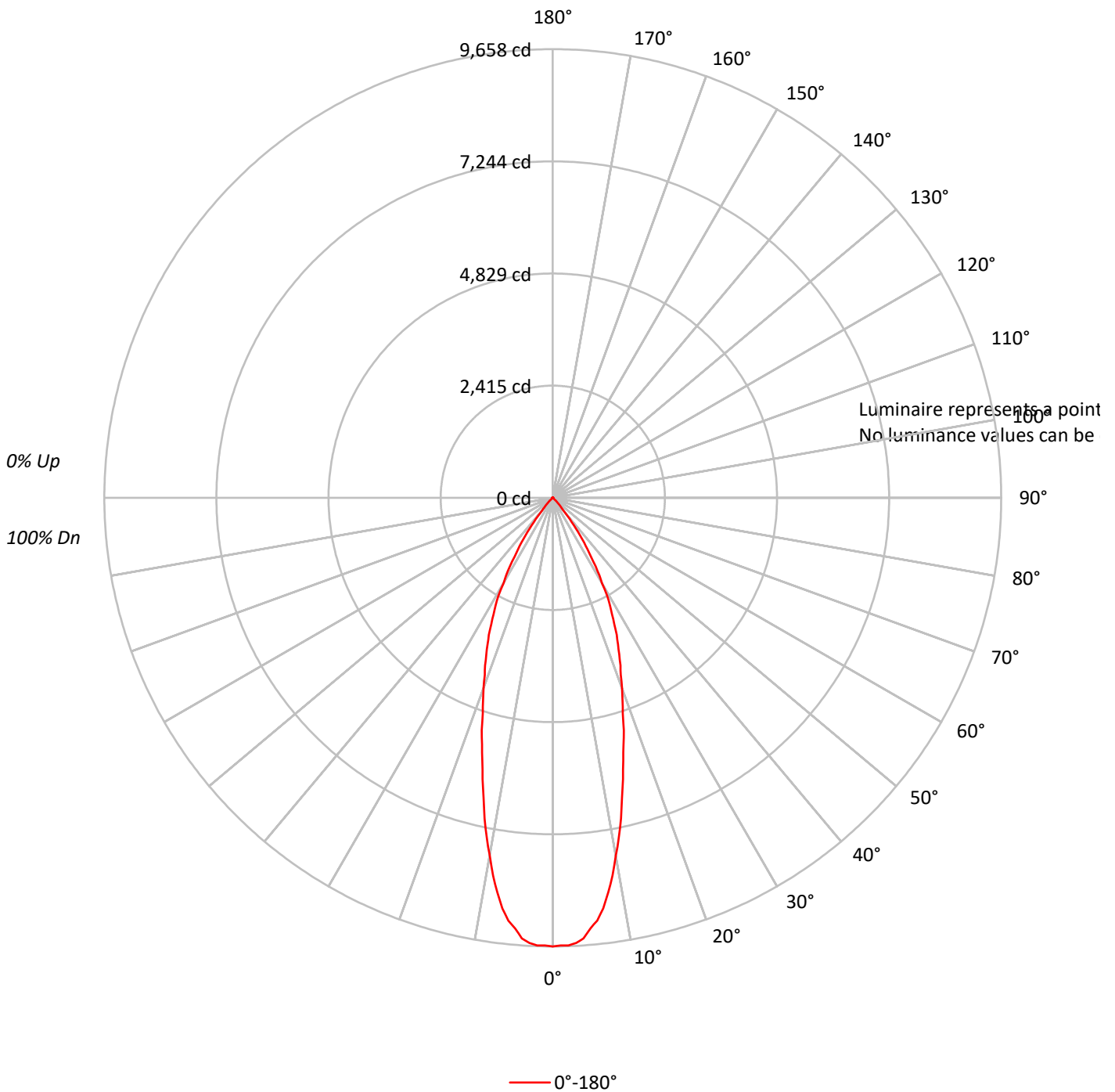
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	843.5	17.6
10°-20°	1634.6	34.0
20°-30°	1471.6	30.6
30°-40°	728.1	15.2
40°-50°	110.8	2.3
50°-60°	4.6	0.1
60°-70°	5.9	0.1
70°-80°	2.2	0.0
80°-90°	3.4	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°	3949.7	82.2
0°-40°	4677.8	97.4
0°-60°	4793.1	99.8
0°-90°	4804.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4804.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9658	
5°	9305	844
15°	5856	1635
25°	3254	1472
35°	1178	728
45°	122	111
55°	2	5
65°	3	6
75°	3	2
85°	5	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9658.4
1°	9638.4
2°	9643.3
3°	9594.6
4°	9505.9
5°	9304.6
6°	9150.4
7°	8905.7
8°	8577.1
9°	8235.1
10°	7822.6
11°	7453.8
12°	7058.2
13°	6620.5
14°	6243.3
15°	5856.1
16°	5525.7
17°	5234.1
18°	4875.3
19°	4612.0
20°	4354.0
21°	4085.6
22°	3889.5
23°	3661.5
24°	3451.9
25°	3254.2
26°	3021.1
27°	2811.6
28°	2623.7
29°	2417.5
30°	2120.8
31°	1953.1
32°	1741.9
33°	1510.5
34°	1334.4
35°	1178.5
37.5°	746.0
40°	337.0
42.5°	229.7
45°	122.4
47.5°	68.7
50°	1.7
52.5°	6.7
55°	1.7
57.5°	10.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	1.7
62.5°	8.4
65°	3.4
67.5°	8.4
70°	5.0
72.5°	1.7
75°	3.4
77.5°	0.0
80°	1.7
82.5°	6.7
85°	5.0
87.5°	0.0
90°	0.0

(END OF REPORT)