

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: P251134

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251134
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 EC8B60840 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5779.9 lumens
Efficiency: N/A
Efficacy: 97.1 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

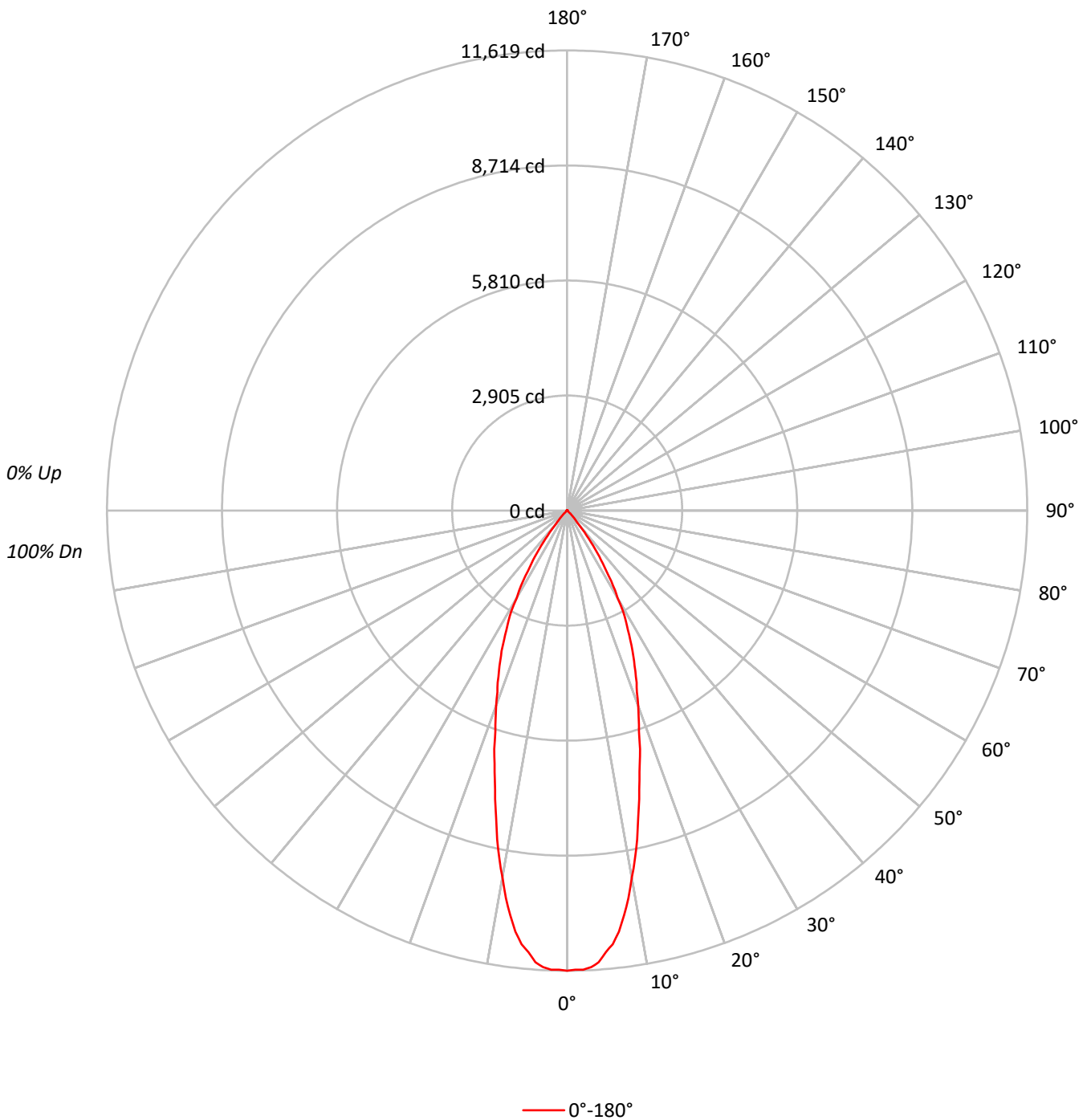
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	358293
5°	346488
10°	294668
15°	224902
20°	171880
25°	133194
30°	90843
35°	53372
40°	16319
45°	6419
50°	96
55°	108
60°	123
65°	292
70°	550
75°	477
80°	355
85°	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.8	17.6
10°-20°	1966.4	34.0
20°-30°	1770.4	30.6
30°-40°	875.9	15.2
40°-50°	133.2	2.3
50°-60°	5.5	0.1
60°-70°	7.0	0.1
70°-80°	2.6	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°	4751.5	82.2
0°-40°	5627.4	97.4
0°-60°	5766.1	99.8
0°-90°	5779.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5779.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11619	
5°	11194	###
15°	7045	1966
25°	3915	1770
35°	1418	876
45°	147	133
55°	2	5
65°	4	7
75°	4	3
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11619.2
1°	11595.0
2°	11601.0
3°	11542.5
4°	11435.7
5°	11193.6
6°	11008.1
7°	10713.6
8°	10318.3
9°	9906.9
10°	9410.7
11°	8967.0
12°	8491.0
13°	7964.6
14°	7510.8
15°	7044.9
16°	6647.6
17°	6296.7
18°	5865.0
19°	5548.4
20°	5237.8
21°	4915.1
22°	4679.1
23°	4404.8
24°	4152.7
25°	3914.7
26°	3634.4
27°	3382.3
28°	3156.4
29°	2908.3
30°	2551.3
31°	2349.7
32°	2095.5
33°	1817.2
34°	1605.4
35°	1417.8
37.5°	897.5
40°	405.4
42.5°	276.3
45°	147.2
47.5°	82.7
50°	2.0
52.5°	8.1
55°	2.0
57.5°	12.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.0
62.5°	10.1
65°	4.0
67.5°	10.1
70°	6.1
72.5°	2.0
75°	4.0
77.5°	0.0
80°	2.0
82.5°	8.1
85°	6.1
87.5°	0.0
90°	0.0

(END OF REPORT)