

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: P250914

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60830 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6012.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

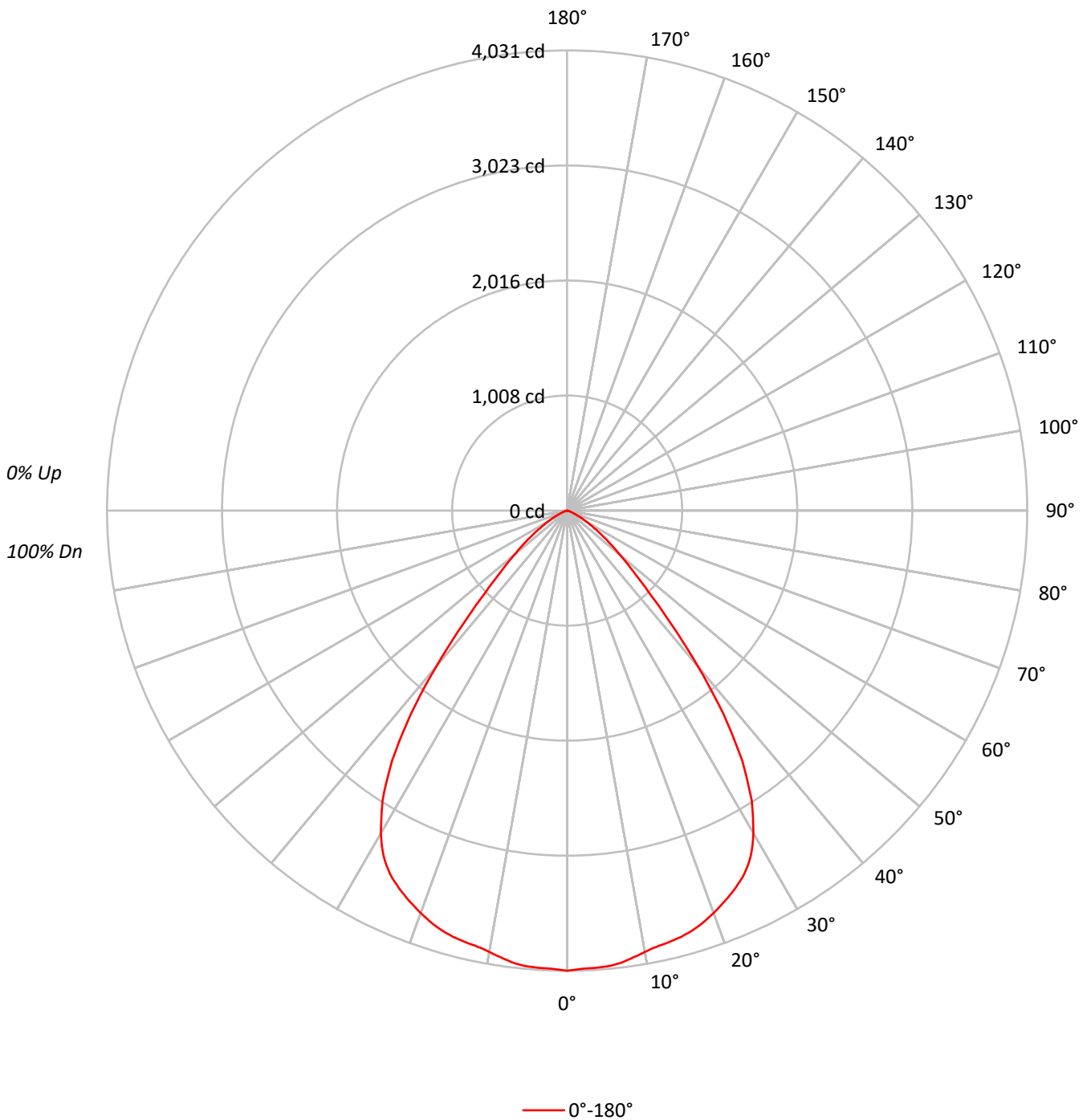
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124310
5°	124033
10°	122909
15°	123371
20°	123107
25°	121908
30°	116195
35°	100604
40°	71765
45°	44102
50°	29091
55°	19247
60°	12322
65°	6720
70°	3291
75°	1656
80°	923
85°	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.9	6.3
10°-20°	1090.0	18.1
20°-30°	1640.3	27.3
30°-40°	1624.0	27.0
40°-50°	825.2	13.7
50°-60°	332.5	5.5
60°-70°	100.7	1.7
70°-80°	17.4	0.3
80°-90°	2.1	0.0
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°	3110.2	51.7
0°-40°	4734.2	78.7
0°-60°	5891.9	98.0
0°-90°	6012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6012.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4031	
5°	4007	380
15°	3864	1090
25°	3583	1640
35°	2672	1624
45°	1011	825
55°	358	332
65°	92	101
75°	14	17
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4031.3
1°	4022.6
2°	4015.6
3°	4013.9
4°	4012.2
5°	4007.0
6°	4000.0
7°	3986.1
8°	3965.3
9°	3946.1
10°	3925.3
11°	3907.9
12°	3895.8
13°	3887.1
14°	3876.6
15°	3864.5
16°	3848.8
17°	3829.7
18°	3807.1
19°	3781.1
20°	3751.5
21°	3720.3
22°	3689.0
23°	3656.0
24°	3621.2
25°	3583.0
26°	3541.3
27°	3487.4
28°	3424.9
29°	3350.1
30°	3263.3
32.5°	3009.6
35°	2672.5
37.5°	2252.0
40°	1782.8
42.5°	1346.7
45°	1011.3
47.5°	773.2
50°	606.4
52.5°	470.9
55°	358.0
57.5°	265.9
60°	199.8
62.5°	142.5
65°	92.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	57.3
70°	36.5
72.5°	22.6
75°	13.9
77.5°	8.7
80°	5.2
82.5°	3.5
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)