

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: P251450

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201839)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60930 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5320.3 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

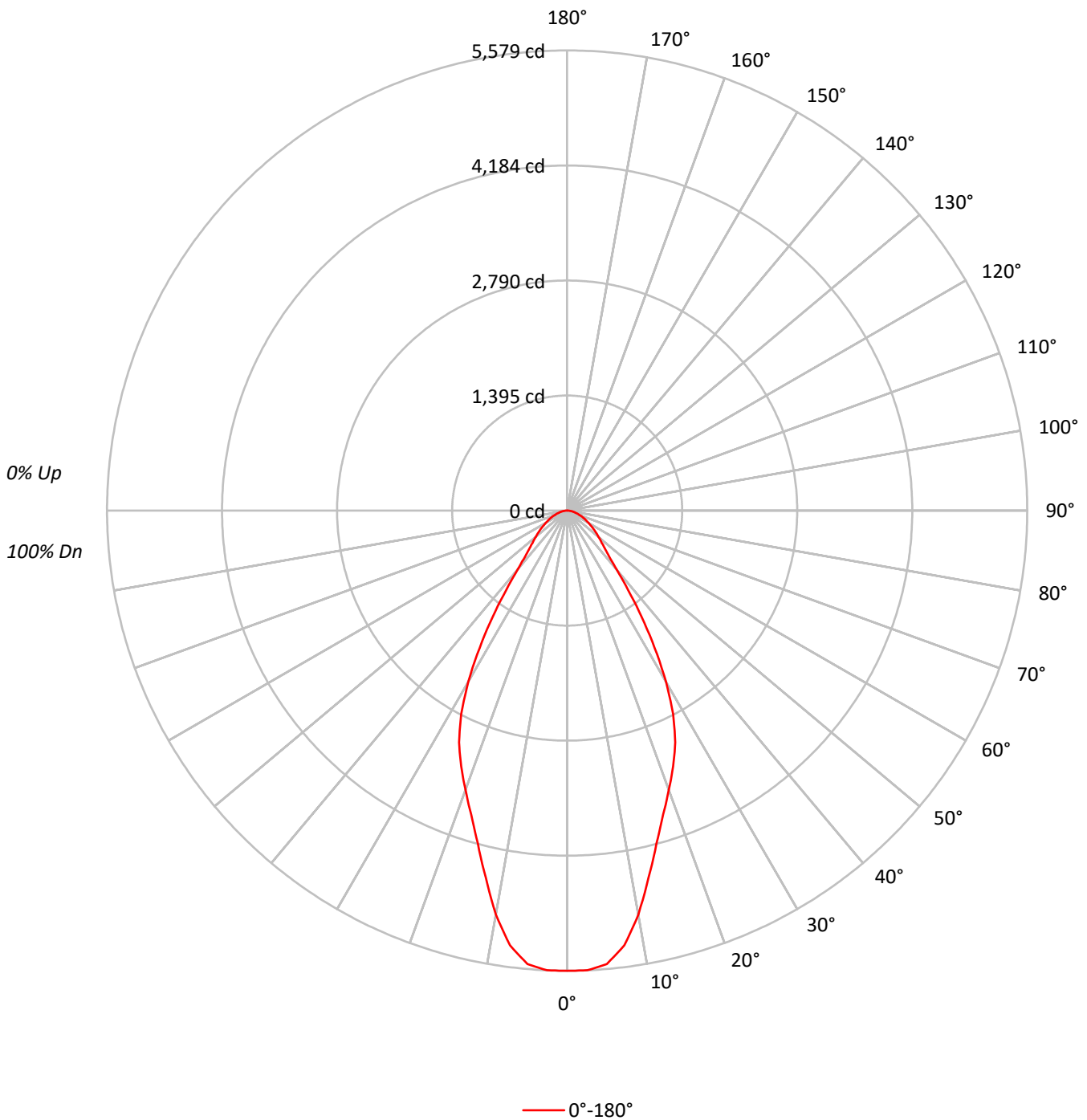
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90				90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67				67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62				62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53				53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49				49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46				46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43				43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172045
5°	170811
10°	155658
15°	133420
20°	118243
25°	105512
30°	85214
35°	59124
40°	37513
45°	27866
50°	23785
55°	20854
60°	18662
65°	16672
70°	14371
75°	13213
80°	12306
85°	10862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.0	9.6
10°-20°	1177.3	22.1
20°-30°	1400.0	26.3
30°-40°	989.7	18.6
40°-50°	510.9	9.6
50°-60°	350.3	6.6
60°-70°	227.4	4.3
70°-80°	119.2	2.2
80°-90°	36.6	0.7
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°	3086.2	58.0
0°-40°	4075.9	76.6
0°-60°	4937.1	92.8
0°-90°	5320.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5320.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5579	
5°	5518	509
15°	4179	1177
25°	3101	1400
35°	1571	990
45°	639	511
55°	388	350
65°	228	227
75°	111	119
85°	31	34
90°	0	2
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5579.3
2.5°	5579.3
5°	5518.2
7.5°	5315.3
10°	4971.2
12.5°	4560.7
15°	4179.3
17.5°	3865.5
20°	3603.3
22.5°	3355.3
25°	3101.1
27.5°	2782.3
30°	2393.2
32.5°	1974.6
35°	1570.6
37.5°	1210.1
40°	931.9
42.5°	749.9
45°	639.0
47.5°	558.5
50°	495.8
52.5°	440.9
55°	387.9
57.5°	341.2
60°	302.6
62.5°	262.2
65°	228.5
67.5°	198.0
70°	159.4
72.5°	136.9
75°	110.9
77.5°	90.0
80°	69.3
82.5°	51.6
85°	30.7
87.5°	17.7
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)