

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: P250810

Luminaire Tested: **LSR8B60D010 EC8B60950 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60950 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6069.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

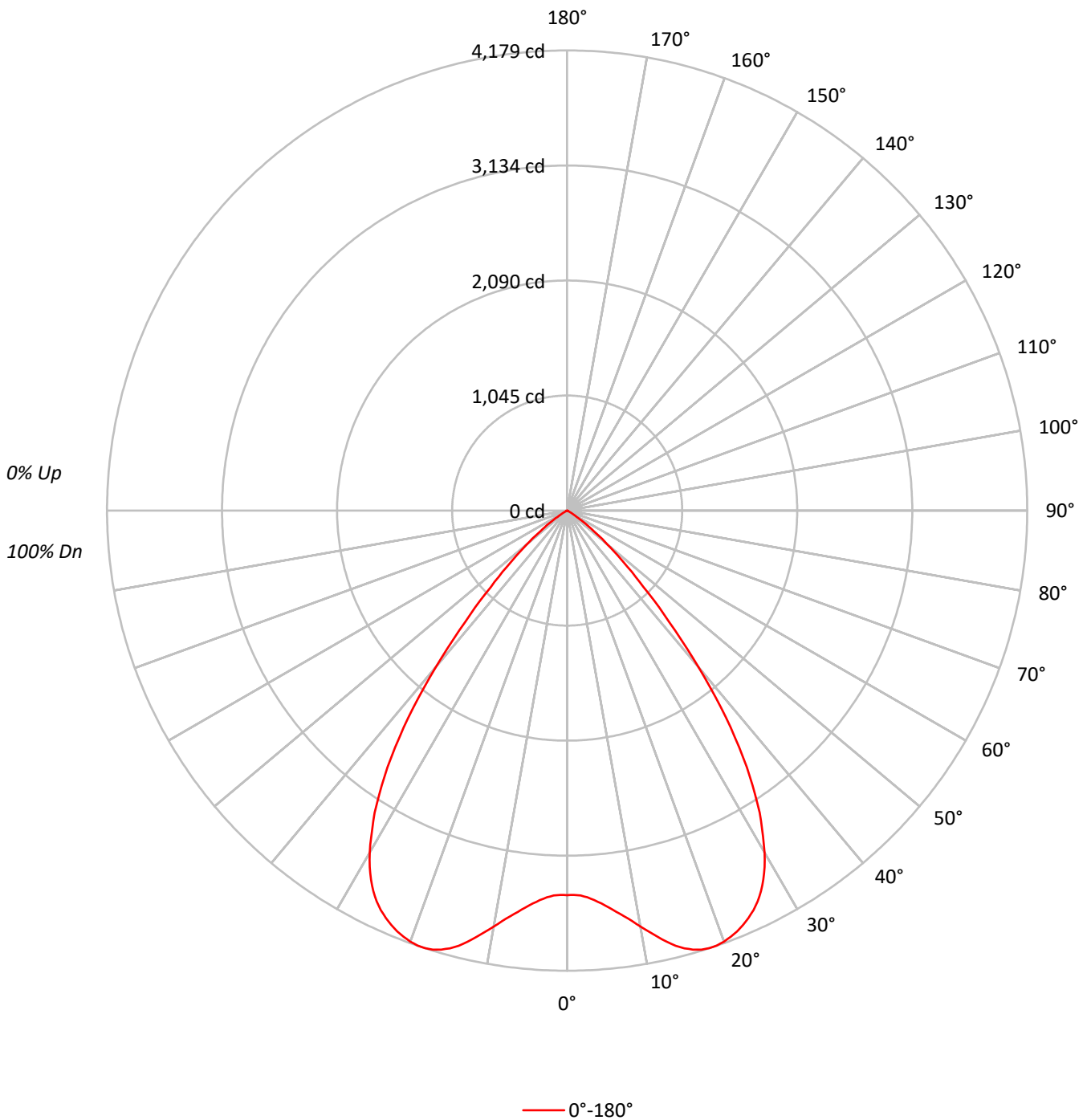
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107677
5°	110865
10°	120100
15°	131406
20°	136712
25°	136209
30°	127764
35°	107135
40°	74595
45°	42724
50°	22941
55°	9462
60°	2356
65°	606
70°	298
75°	203
80°	302
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.1	5.8
10°-20°	1160.1	19.1
20°-30°	1825.4	30.1
30°-40°	1736.4	28.6
40°-50°	800.5	13.2
50°-60°	181.9	3.0
60°-70°	12.0	0.2
70°-80°	2.4	0.0
80°-90°	0.2	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°	3335.7	55.0
0°-40°	5072.0	83.6
0°-60°	6054.4	99.8
0°-90°	6069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6069.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3492	
5°	3582	350
15°	4116	1160
25°	4003	1825
35°	2846	1736
45°	980	801
55°	176	182
65°	8	12
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3491.9
1°	3490.3
2°	3496.9
3°	3516.8
4°	3546.7
5°	3581.6
6°	3624.7
7°	3671.2
8°	3719.4
9°	3775.8
10°	3835.6
11°	3895.4
12°	3958.5
13°	4018.3
14°	4073.1
15°	4116.2
16°	4147.8
17°	4169.4
18°	4179.3
19°	4177.7
20°	4166.1
21°	4146.1
22°	4121.2
23°	4088.0
24°	4049.8
25°	4003.3
26°	3948.5
27°	3878.8
28°	3795.8
29°	3699.5
30°	3588.2
32.5°	3254.5
35°	2846.0
37.5°	2371.1
40°	1853.1
42.5°	1369.9
45°	979.7
47.5°	694.1
50°	478.2
52.5°	305.5
55°	176.0
57.5°	88.0
60°	38.2
62.5°	14.9
65°	8.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.0
70°	3.3
72.5°	3.3
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)