

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: P250962

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60830 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 5911.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

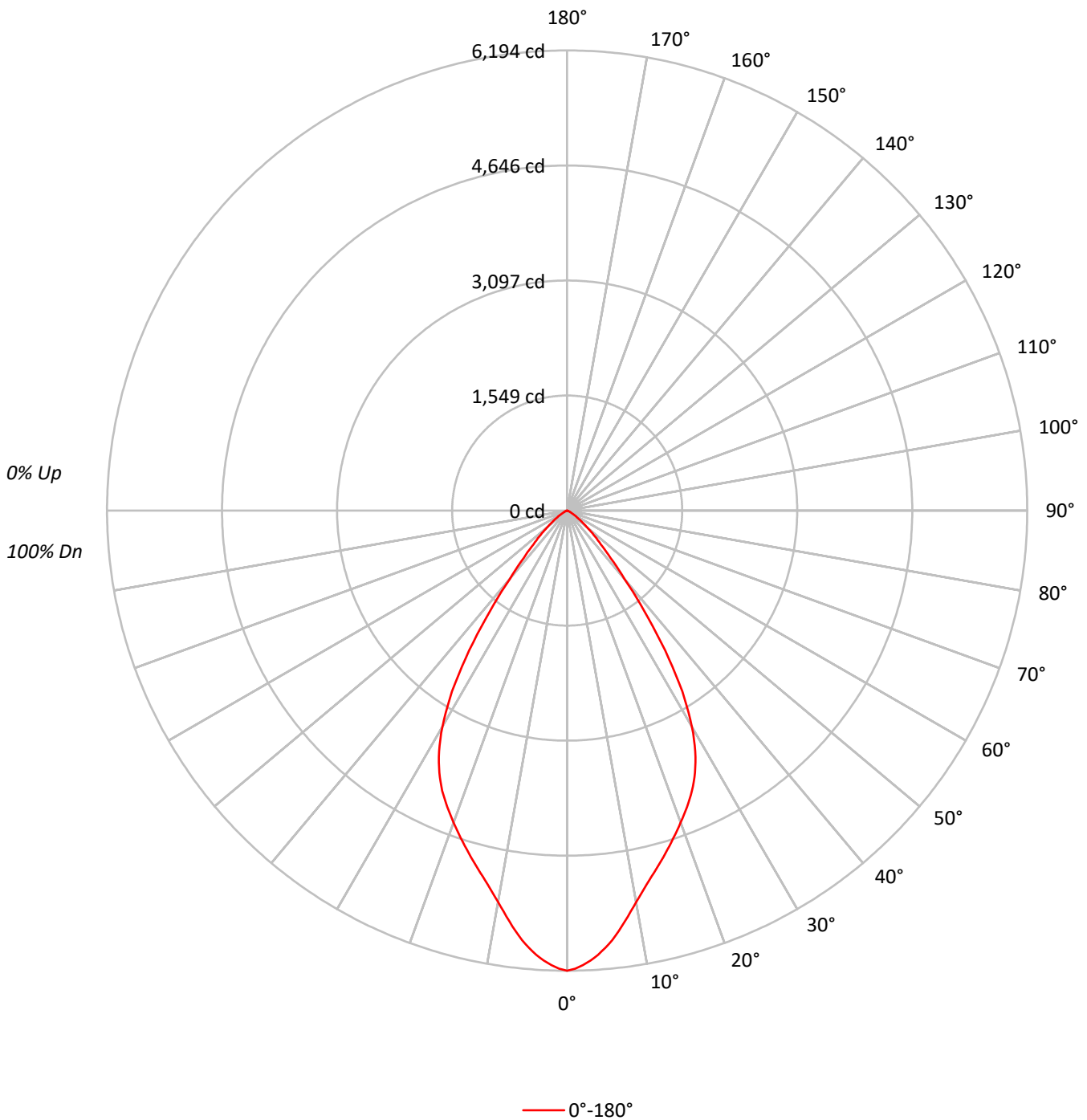
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190997
5°	182899
10°	167591
15°	155943
20°	146671
25°	137229
30°	119678
35°	86495
40°	48490
45°	27897
50°	17074
55°	9720
60°	5051
65°	2576
70°	1397
75°	846
80°	497
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.5	9.2
10°-20°	1373.2	23.2
20°-30°	1832.3	31.0
30°-40°	1412.3	23.9
40°-50°	526.6	8.9
50°-60°	172.2	2.9
60°-70°	39.7	0.7
70°-80°	8.0	0.1
80°-90°	1.1	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°	3751.0	63.5
0°-40°	5163.3	87.4
0°-60°	5862.2	99.2
0°-90°	5911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6194	
5°	5909	546
15°	4885	1373
25°	4033	1832
35°	2298	1412
45°	640	527
55°	181	172
65°	35	40
75°	7	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6193.9
1°	6167.1
2°	6121.9
3°	6064.0
4°	5993.4
5°	5908.7
6°	5812.6
7°	5702.5
8°	5585.3
9°	5463.8
10°	5352.3
11°	5244.9
12°	5144.7
13°	5052.9
14°	4968.1
15°	4884.8
16°	4800.1
17°	4718.2
18°	4633.5
19°	4550.1
20°	4469.6
21°	4386.3
22°	4305.8
23°	4221.1
24°	4132.1
25°	4033.3
26°	3924.5
27°	3804.5
28°	3671.7
29°	3523.5
30°	3361.1
32.5°	2885.1
35°	2297.7
37.5°	1701.7
40°	1204.6
42.5°	862.9
45°	639.7
47.5°	481.6
50°	355.9
52.5°	254.2
55°	180.8
57.5°	124.3
60°	81.9
62.5°	53.7
65°	35.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.0
70°	15.5
72.5°	9.9
75°	7.1
77.5°	4.2
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)