

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: P250940

Luminaire Tested: **LD8B60D010 ER8B60835 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60835 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5649.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

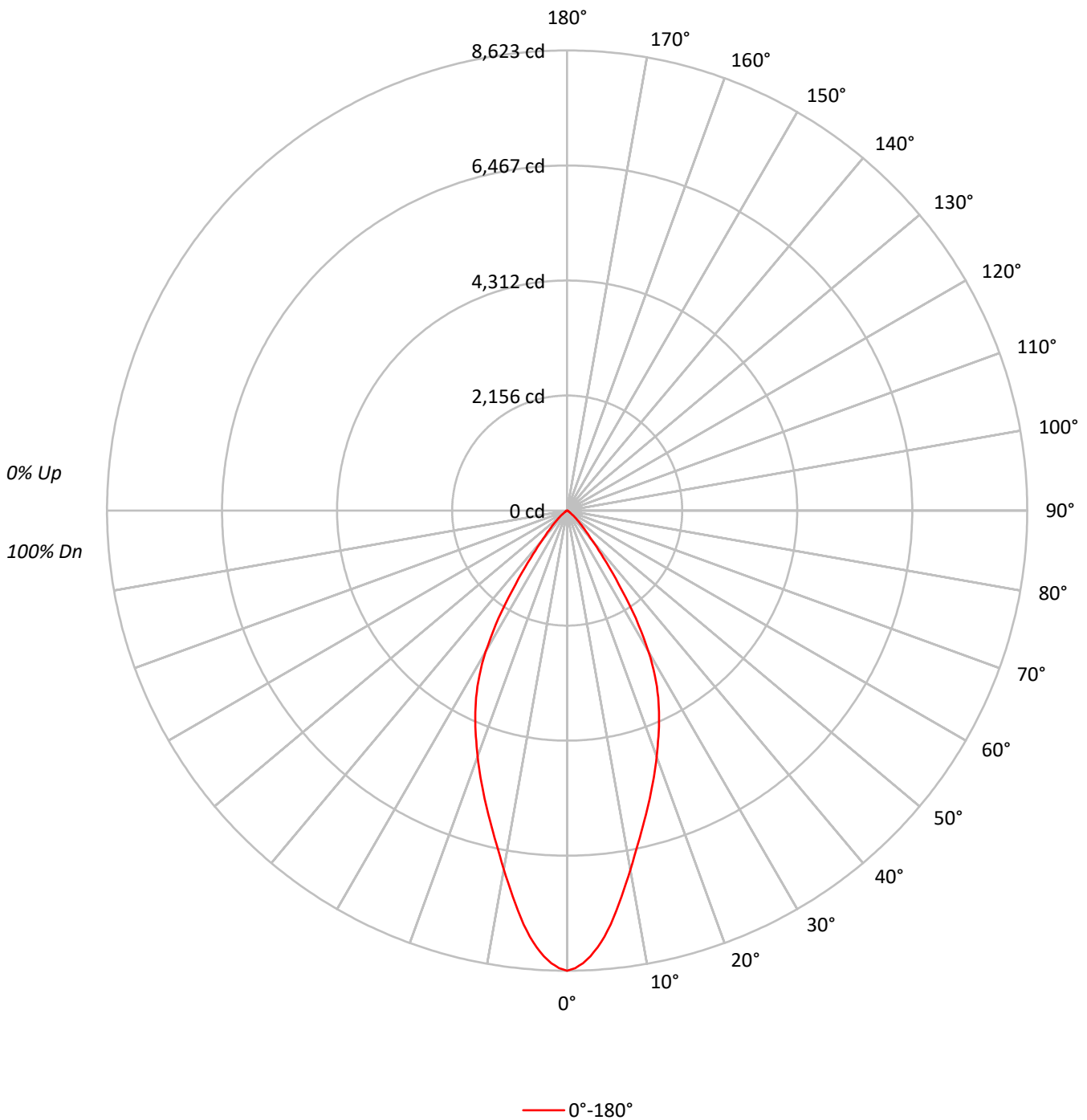
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265911
5°	248029
10°	213798
15°	185029
20°	160959
25°	138325
30°	108689
35°	63415
40°	29261
45°	15141
50°	7594
55°	3693
60°	1881
65°	1116
70°	514
75°	453
80°	337
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.1	12.8
10°-20°	1620.5	28.7
20°-30°	1842.5	32.6
30°-40°	1082.1	19.2
40°-50°	290.4	5.1
50°-60°	68.9	1.2
60°-70°	15.7	0.3
70°-80°	3.5	0.1
80°-90°	0.3	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°	4188.2	74.1
0°-40°	5270.2	93.3
0°-60°	5629.5	99.7
0°-90°	5649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8623	
5°	8013	725
15°	5796	1621
25°	4066	1842
35°	1685	1082
45°	347	290
55°	69	69
65°	15	16
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8623.3
1°	8575.6
2°	8487.8
3°	8363.8
4°	8203.5
5°	8012.8
6°	7797.2
7°	7553.0
8°	7308.8
9°	7062.7
10°	6828.0
11°	6599.1
12°	6383.5
13°	6183.2
14°	5982.9
15°	5795.9
16°	5612.7
17°	5431.5
18°	5256.0
19°	5078.6
20°	4905.0
21°	4731.3
22°	4565.4
23°	4401.3
24°	4233.4
25°	4065.5
26°	3891.9
27°	3703.0
28°	3504.6
29°	3287.1
30°	3052.5
32.5°	2394.3
35°	1684.6
37.5°	1110.3
40°	726.9
42.5°	501.8
45°	347.2
47.5°	238.5
50°	158.3
52.5°	103.0
55°	68.7
57.5°	45.8
60°	30.5
62.5°	21.0
65°	15.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.5
70°	5.7
72.5°	3.8
75°	3.8
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)