

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: P251462

Luminaire Tested: **LD8B60D010 ER8B60830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6010.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

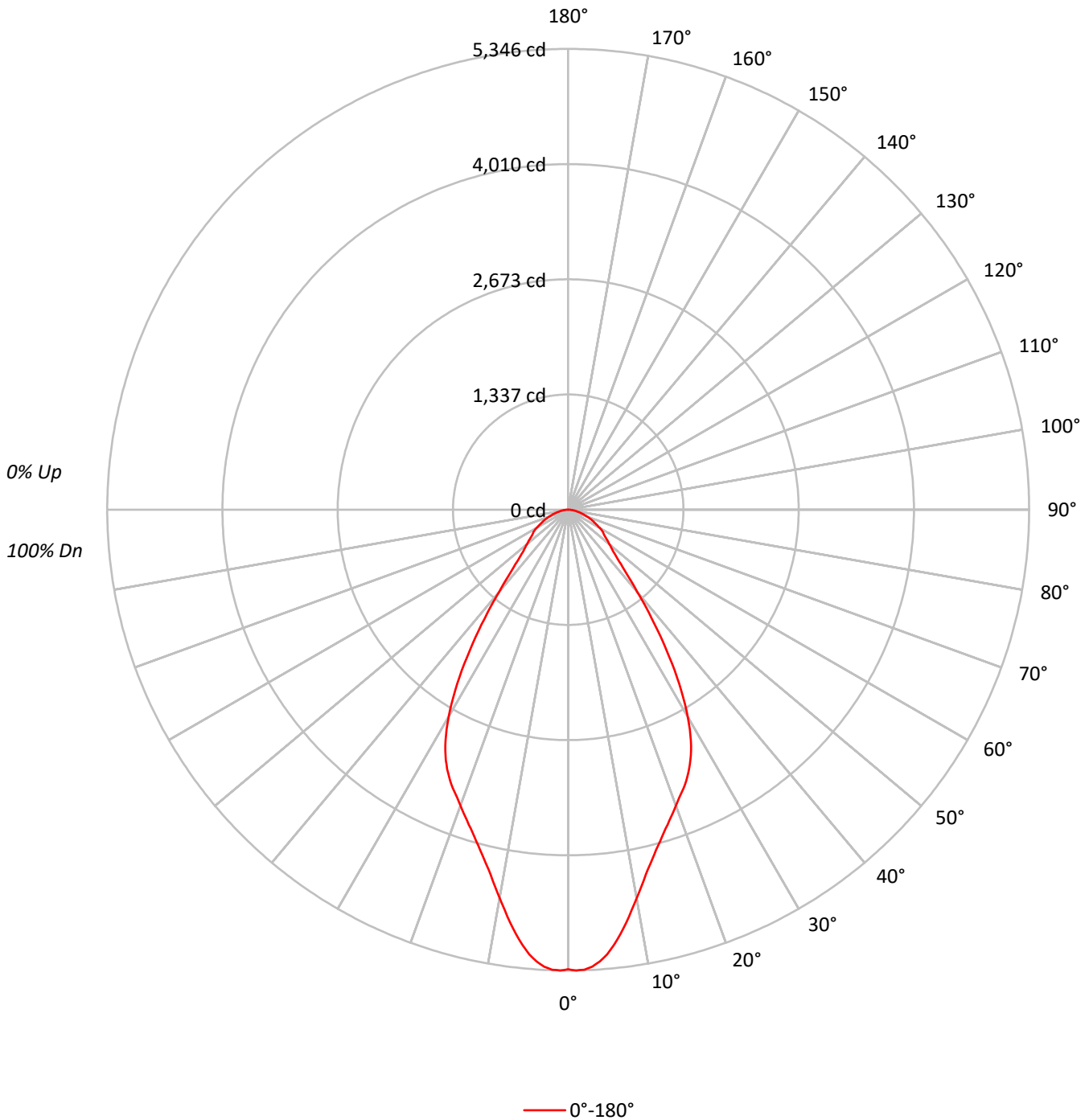
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164401
5°	160231
10°	143246
15°	128724
20°	119878
25°	112936
30°	98741
35°	74818
40°	50249
45°	35419
50°	30036
55°	27391
60°	25952
65°	23349
70°	21007
75°	18896
80°	16639
85°	16027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	7.9
10°-20°	1137.1	18.9
20°-30°	1506.9	25.1
30°-40°	1235.6	20.6
40°-50°	658.2	11.0
50°-60°	463.3	7.7
60°-70°	319.5	5.3
70°-80°	166.4	2.8
80°-90°	49.2	0.8
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°	3117.8	51.9
0°-40°	4353.5	72.4
0°-60°	5475.0	91.1
0°-90°	6010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6010.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5331	
5°	5176	474
15°	4032	1137
25°	3319	1507
35°	1988	1236
45°	812	658
55°	510	463
65°	320	319
75°	159	166
85°	45	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5331.4
1°	5346.5
2°	5340.0
3°	5308.4
4°	5254.3
5°	5176.4
6°	5079.2
7°	4962.3
8°	4837.0
9°	4703.7
10°	4574.8
11°	4451.4
12°	4326.1
13°	4221.7
14°	4122.6
15°	4032.2
16°	3947.0
17°	3868.4
18°	3795.6
19°	3722.8
20°	3653.1
21°	3585.1
22°	3526.0
23°	3465.4
24°	3394.2
25°	3319.3
26°	3234.2
27°	3138.4
28°	3030.4
29°	2910.6
30°	2773.1
31°	2628.9
32°	2477.6
33°	2316.1
34°	2154.0
35°	1987.5
37.5°	1592.6
40°	1248.3
42.5°	985.9
45°	812.2
47.5°	697.5
50°	626.1
52.5°	563.6
55°	509.5
57.5°	476.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	420.8
62.5°	366.9
65°	320.0
67.5°	278.3
70°	233.0
72.5°	194.5
75°	158.6
77.5°	114.7
80°	93.7
82.5°	67.8
85°	45.3
87.5°	21.0
90°	0.0

(END OF REPORT)