

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: P251466

Luminaire Tested: **LD8B60D010 ER8B60840 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251466
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 ER8B60840 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6209.0 lumens
Efficiency: N/A
Efficacy: 104.4 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

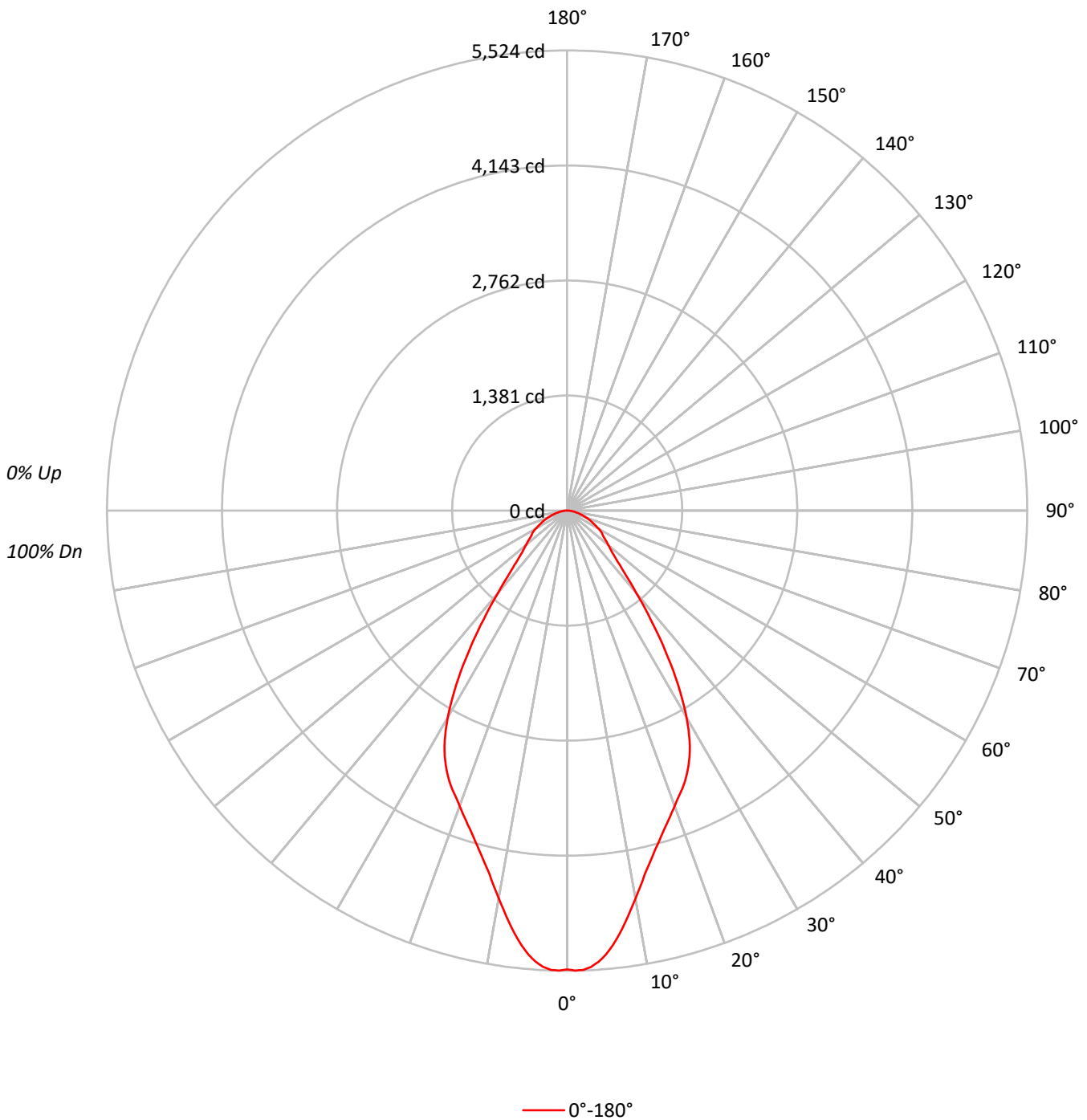
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	169843
5°	165536
10°	147987
15°	132986
20°	123845
25°	116675
30°	102010
35°	77295
40°	51911
45°	36592
50°	31034
55°	28295
60°	26815
65°	24122
70°	21701
75°	19516
80°	17190
85°	16558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	7.9
10°-20°	1174.8	18.9
20°-30°	1556.8	25.1
30°-40°	1276.5	20.6
40°-50°	680.0	11.0
50°-60°	478.6	7.7
60°-70°	330.1	5.3
70°-80°	171.9	2.8
80°-90°	50.9	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°	3221.0	51.9
0°-40°	4497.6	72.4
0°-60°	5656.2	91.1
0°-90°	6209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6209.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5508	
5°	5348	489
15°	4166	1175
25°	3429	1557
35°	2053	1277
45°	839	680
55°	526	479
65°	331	330
75°	164	172
85°	47	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5507.9
1°	5523.5
2°	5516.8
3°	5484.2
4°	5428.3
5°	5347.8
6°	5247.4
7°	5126.6
8°	4997.2
9°	4859.4
10°	4726.2
11°	4598.8
12°	4469.4
13°	4361.5
14°	4259.1
15°	4165.7
16°	4077.7
17°	3996.5
18°	3921.3
19°	3846.1
20°	3774.0
21°	3703.8
22°	3642.7
23°	3580.1
24°	3506.6
25°	3429.2
26°	3341.3
27°	3242.3
28°	3130.7
29°	3007.0
30°	2864.9
31°	2716.0
32°	2559.6
33°	2392.8
34°	2225.3
35°	2053.3
37.5°	1645.3
40°	1289.6
42.5°	1018.5
45°	839.1
47.5°	720.6
50°	646.9
52.5°	582.2
55°	526.3
57.5°	492.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	434.8
62.5°	379.1
65°	330.6
67.5°	287.5
70°	240.7
72.5°	201.0
75°	163.8
77.5°	118.5
80°	96.8
82.5°	70.0
85°	46.8
87.5°	21.7
90°	0.0

(END OF REPORT)