

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: P251460

Luminaire Tested: **LD8B60D010 ER8B60827 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251460
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 ER8B60827 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5863.0 lumens
Efficiency: N/A
Efficacy: 98.5 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

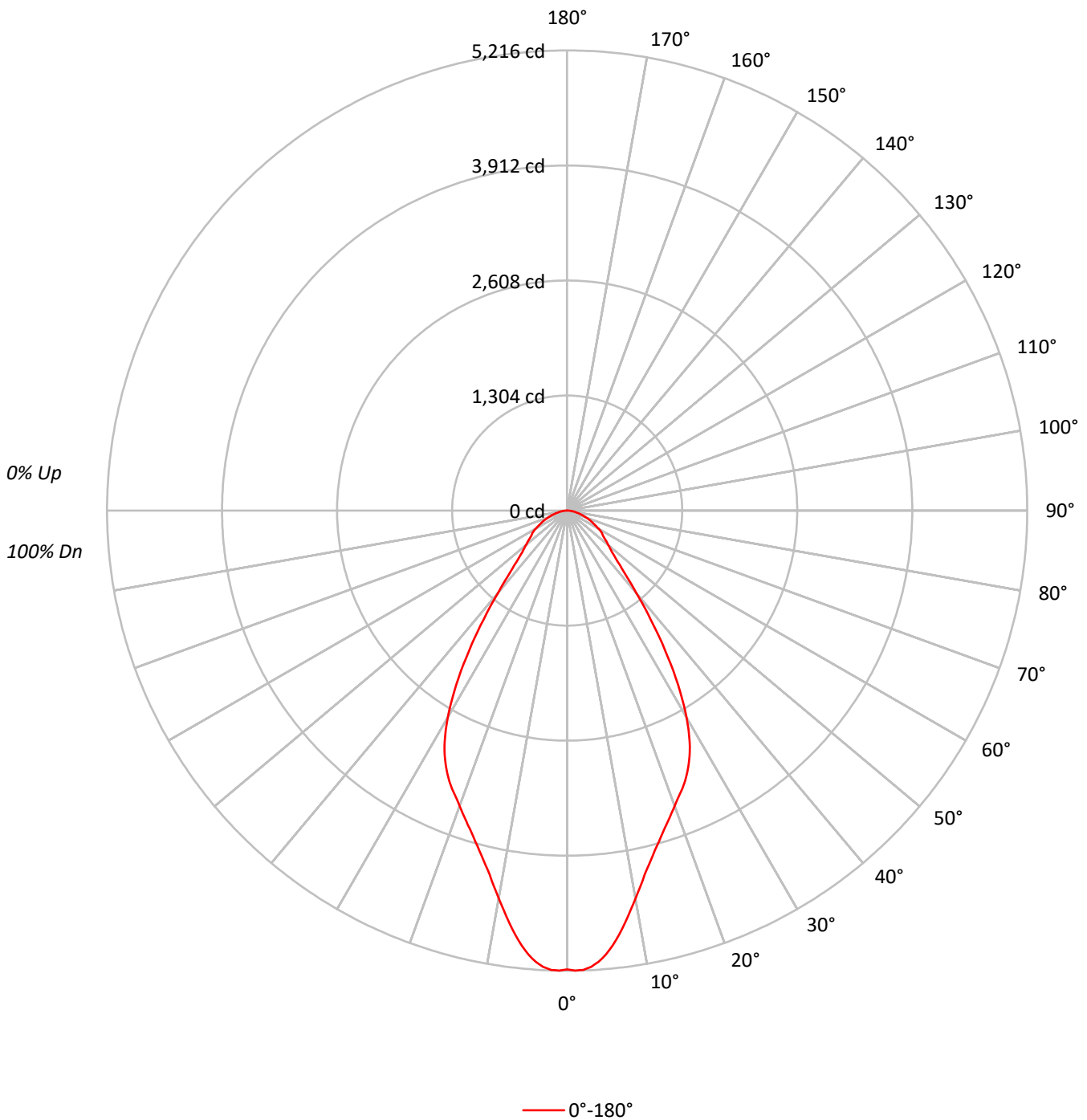
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	160380
5°	156312
10°	139742
15°	125577
20°	116944
25°	110173
30°	96327
35°	72988
40°	49021
45°	34552
50°	29302
55°	26719
60°	25317
65°	22780
70°	20493
75°	18431
80°	16231
85°	15638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.2	7.9
10°-20°	1109.3	18.9
20°-30°	1470.0	25.1
30°-40°	1205.4	20.6
40°-50°	642.1	11.0
50°-60°	451.9	7.7
60°-70°	311.7	5.3
70°-80°	162.3	2.8
80°-90°	48.0	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°	3041.5	51.9
0°-40°	4247.0	72.4
0°-60°	5341.0	91.1
0°-90°	5863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5201	
5°	5050	462
15°	3934	1109
25°	3238	1470
35°	1939	1205
45°	792	642
55°	497	452
65°	312	312
75°	155	162
85°	44	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5201.0
1°	5215.7
2°	5209.4
3°	5178.6
4°	5125.8
5°	5049.8
6°	4955.0
7°	4841.0
8°	4718.7
9°	4588.6
10°	4462.9
11°	4342.6
12°	4220.3
13°	4118.4
14°	4021.8
15°	3933.6
16°	3850.5
17°	3773.8
18°	3702.8
19°	3631.8
20°	3563.7
21°	3497.4
22°	3439.7
23°	3380.6
24°	3311.2
25°	3238.1
26°	3155.1
27°	3061.6
28°	2956.2
29°	2839.4
30°	2705.3
31°	2564.6
32°	2417.0
33°	2259.5
34°	2101.3
35°	1938.9
37.5°	1553.6
40°	1217.8
42.5°	961.7
45°	792.3
47.5°	680.4
50°	610.8
52.5°	549.8
55°	497.0
57.5°	464.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	410.5
62.5°	357.9
65°	312.2
67.5°	271.5
70°	227.3
72.5°	189.8
75°	154.7
77.5°	111.9
80°	91.4
82.5°	66.1
85°	44.2
87.5°	20.5
90°	0.0

(END OF REPORT)