

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: P251464

Luminaire Tested: **LD8B60D010 ER8B60835 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251464
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 ER8B60835 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6250.0 lumens
Efficiency: N/A
Efficacy: 105.0 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

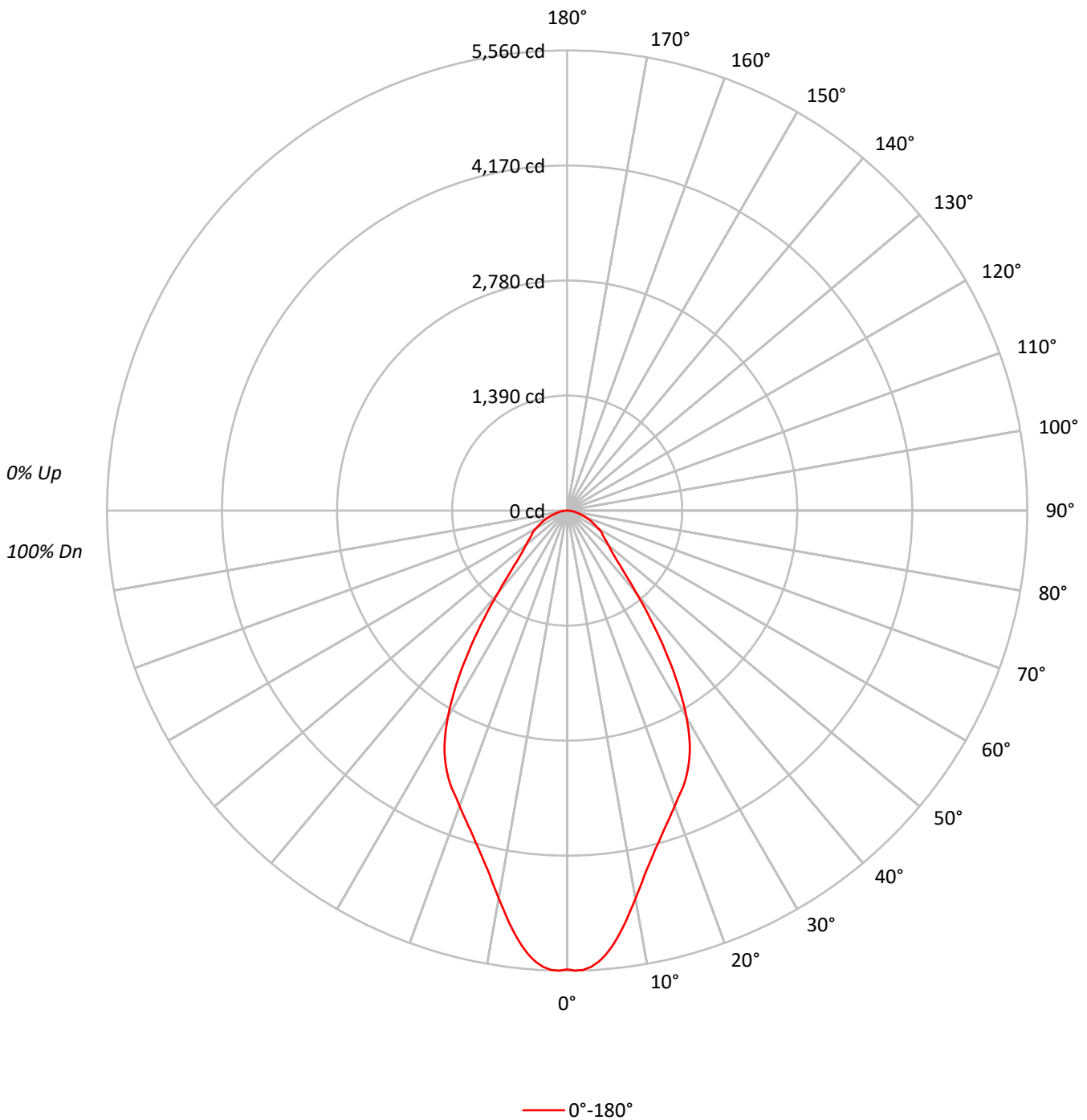
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	170966
5°	166632
10°	148964
15°	133864
20°	124665
25°	117444
30°	102686
35°	77807
40°	52258
45°	36832
50°	31235
55°	28483
60°	26988
65°	24283
70°	21846
75°	19647
80°	17296
85°	16664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.7	7.9
10°-20°	1182.5	18.9
20°-30°	1567.1	25.1
30°-40°	1285.0	20.6
40°-50°	684.5	11.0
50°-60°	481.8	7.7
60°-70°	332.2	5.3
70°-80°	173.0	2.8
80°-90°	51.2	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°	3242.3	51.9
0°-40°	4527.3	72.4
0°-60°	5693.6	91.1
0°-90°	6250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6250.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5544	
5°	5383	493
15°	4193	1183
25°	3452	1567
35°	2067	1285
45°	845	685
55°	530	482
65°	333	332
75°	165	173
85°	47	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5544.3
1°	5560.0
2°	5553.3
3°	5520.4
4°	5464.1
5°	5383.2
6°	5282.0
7°	5160.5
8°	5030.2
9°	4891.5
10°	4757.4
11°	4629.2
12°	4498.9
13°	4390.3
14°	4287.3
15°	4193.2
16°	4104.6
17°	4022.9
18°	3947.2
19°	3871.5
20°	3799.0
21°	3728.3
22°	3666.8
23°	3603.8
24°	3529.8
25°	3451.8
26°	3363.4
27°	3263.7
28°	3151.4
29°	3026.9
30°	2883.9
31°	2733.9
32°	2576.5
33°	2408.6
34°	2240.0
35°	2066.9
37.5°	1656.2
40°	1298.2
42.5°	1025.2
45°	844.6
47.5°	725.4
50°	651.1
52.5°	586.1
55°	529.8
57.5°	495.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	437.6
62.5°	381.6
65°	332.8
67.5°	289.4
70°	242.3
72.5°	202.3
75°	164.9
77.5°	119.3
80°	97.4
82.5°	70.5
85°	47.1
87.5°	21.9
90°	0.0

(END OF REPORT)