

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: P246723

Luminaire Tested: **LD8B30D010 ER8B30935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246723
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: LD8B30D010 ER8B30935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 97.6 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

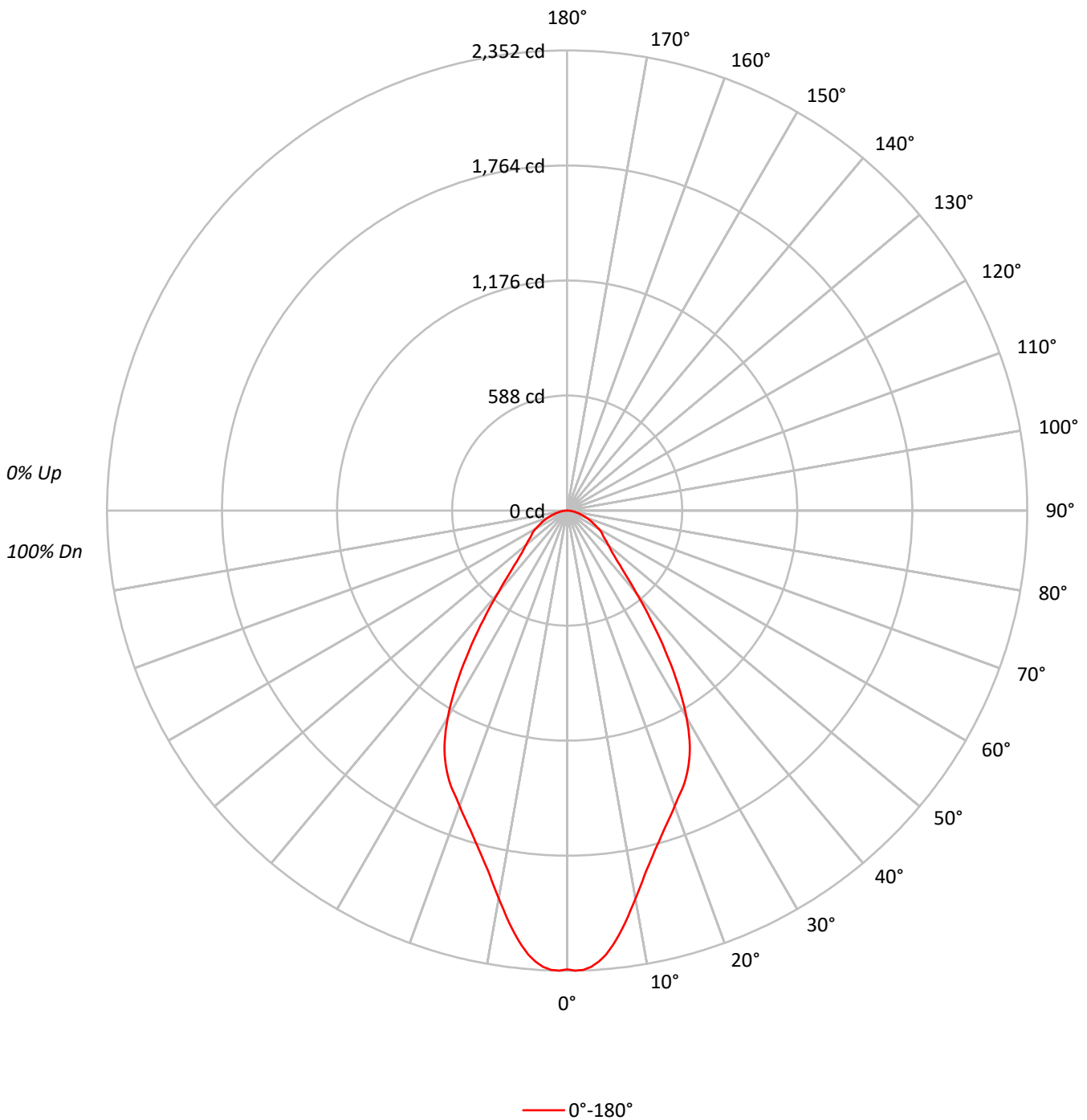
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	72327
5°	70492
10°	63019
15°	56630
20°	52738
25°	49682
30°	43440
35°	32916
40°	22107
45°	15582
50°	13217
55°	12048
60°	11416
65°	10273
70°	9241
75°	8316
80°	7316
85°	7041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	7.9
10°-20°	500.3	18.9
20°-30°	662.9	25.1
30°-40°	543.6	20.6
40°-50°	289.6	11.0
50°-60°	203.8	7.7
60°-70°	140.5	5.3
70°-80°	73.2	2.8
80°-90°	21.7	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°	1371.6	51.9
0°-40°	1915.2	72.4
0°-60°	2408.6	91.1
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2346	
5°	2277	208
15°	1774	500
25°	1460	663
35°	874	544
45°	357	290
55°	224	204
65°	141	141
75°	70	73
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2345.5
1°	2352.1
2°	2349.3
3°	2335.3
4°	2311.5
5°	2277.3
6°	2234.5
7°	2183.1
8°	2128.0
9°	2069.3
10°	2012.6
11°	1958.3
12°	1903.2
13°	1857.3
14°	1813.7
15°	1773.9
16°	1736.4
17°	1701.9
18°	1669.8
19°	1637.8
20°	1607.1
21°	1577.2
22°	1551.2
23°	1524.5
24°	1493.2
25°	1460.2
26°	1422.8
27°	1380.7
28°	1333.2
29°	1280.5
30°	1220.0
31°	1156.6
32°	1090.0
33°	1018.9
34°	947.6
35°	874.4
37.5°	700.6
40°	549.2
42.5°	433.7
45°	357.3
47.5°	306.9
50°	275.5
52.5°	247.9
55°	224.1
57.5°	209.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	185.1
62.5°	161.4
65°	140.8
67.5°	122.4
70°	102.5
72.5°	85.6
75°	69.8
77.5°	50.5
80°	41.2
82.5°	29.8
85°	19.9
87.5°	9.3
90°	0.0

(END OF REPORT)