

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: P246747

Luminaire Tested: **LD8B30D010 ER8B30930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246747
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 ER8B30930 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2560.4 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

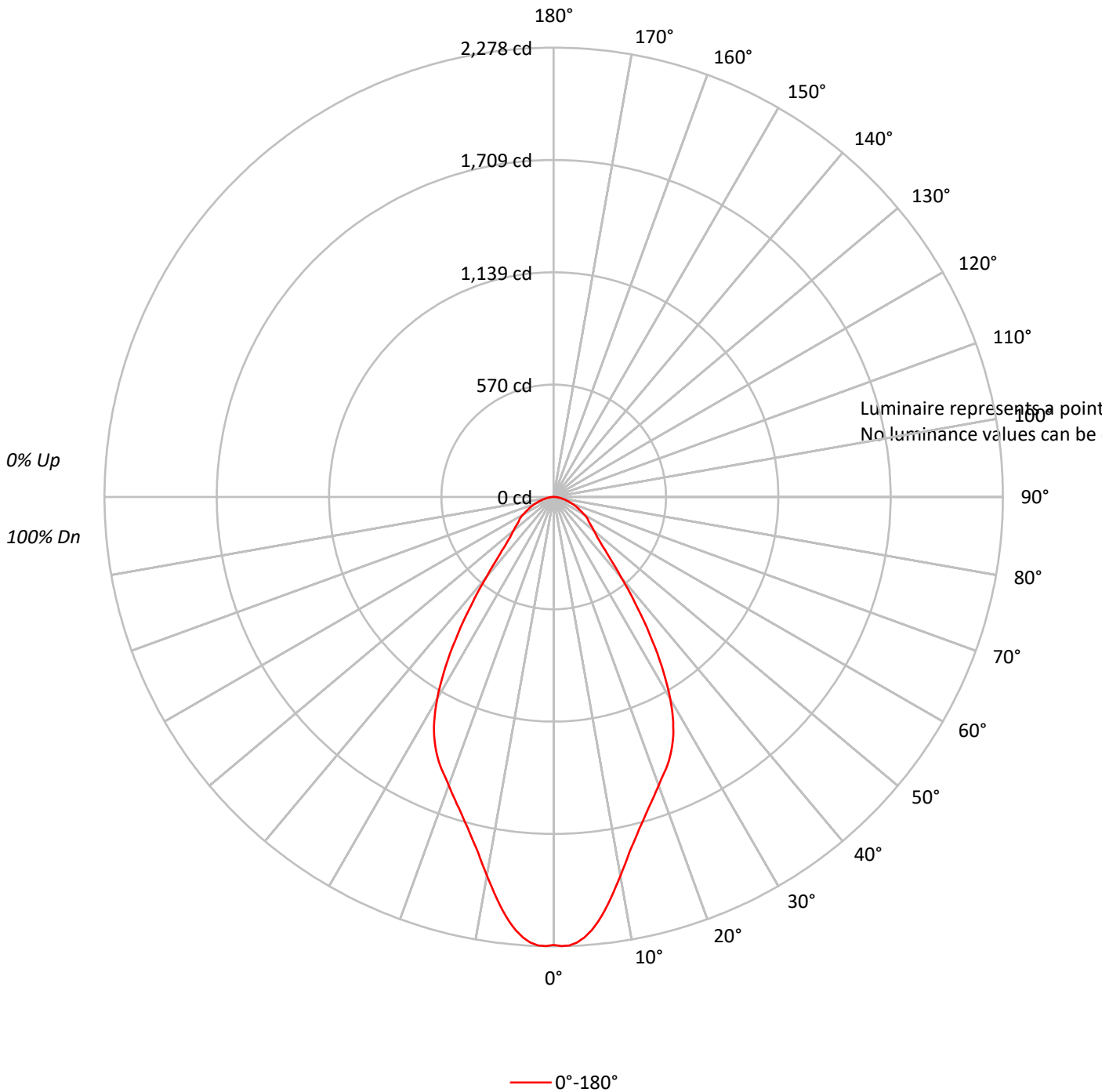
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	7.9
10°-20°	484.4	18.9
20°-30°	642.0	25.1
30°-40°	526.4	20.6
40°-50°	280.4	11.0
50°-60°	197.3	7.7
60°-70°	136.1	5.3
70°-80°	70.9	2.8
80°-90°	21.0	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°	1328.2	51.9
0°-40°	1854.6	72.4
0°-60°	2332.4	91.1
0°-90°	2560.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2271	
5°	2205	202
15°	1718	484
25°	1414	642
35°	847	526
45°	346	280
55°	217	197
65°	136	136
75°	68	71
85°	19	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2271.3
1°	2277.6
2°	2275.0
3°	2261.5
4°	2238.4
5°	2205.2
6°	2163.9
7°	2114.1
8°	2060.6
9°	2003.8
10°	1949.0
11°	1896.4
12°	1843.0
13°	1798.5
14°	1756.3
15°	1717.8
16°	1681.5
17°	1648.0
18°	1617.0
19°	1586.0
20°	1556.3
21°	1527.4
22°	1502.1
23°	1476.4
24°	1446.0
25°	1414.0
26°	1377.8
27°	1337.0
28°	1290.9
29°	1239.9
30°	1181.4
31°	1120.0
32°	1055.5
33°	986.7
34°	917.7
35°	846.7
37.5°	678.4
40°	531.8
42.5°	420.0
45°	346.1
47.5°	297.2
50°	266.8
52.5°	240.1
55°	217.0
57.5°	202.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	179.2
62.5°	156.3
65°	136.3
67.5°	118.6
70°	99.2
72.5°	82.8
75°	67.6
77.5°	48.9
80°	39.9
82.5°	28.9
85°	19.3
87.5°	9.0
90°	0.0

(END OF REPORT)