

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: P247333

Luminaire Tested: **LD8B120D010 ER8B120930 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120930 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9684.5 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

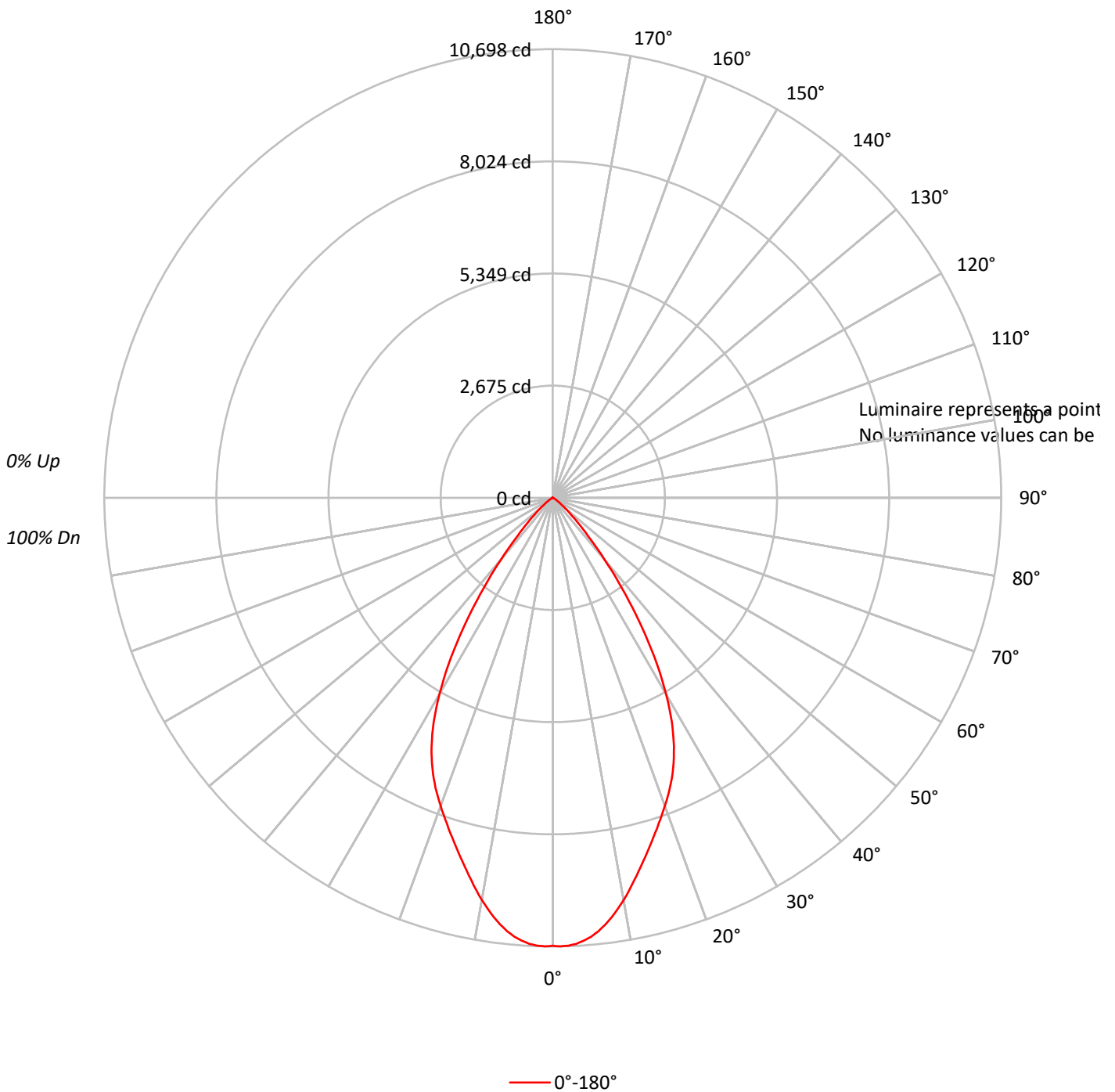
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	977.6	10.1
10°-20°	2451.3	25.3
20°-30°	3094.4	32.0
30°-40°	2226.0	23.0
40°-50°	736.8	7.6
50°-60°	160.4	1.7
60°-70°	33.0	0.3
70°-80°	3.3	0.0
80°-90°	1.7	0.0
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°	6523.3	67.4
0°-40°	8749.2	90.3
0°-60°	9646.5	99.6
0°-90°	9684.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9684.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10683	
5°	10505	978
15°	8732	2451
25°	6835	3094
35°	3587	2226
45°	865	737
55°	157	160
65°	30	33
75°	2	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10682.8
1°	10697.8
2°	10685.3
3°	10650.1
4°	10584.6
5°	10505.0
6°	10395.7
7°	10253.5
8°	10096.5
9°	9924.8
10°	9736.0
11°	9543.2
12°	9333.2
13°	9131.0
14°	8927.5
15°	8732.3
16°	8540.0
17°	8355.8
18°	8173.1
19°	7997.4
20°	7820.7
21°	7639.4
22°	7462.6
23°	7270.1
24°	7062.6
25°	6834.6
26°	6595.3
27°	6328.7
28°	6046.9
29°	5733.9
30°	5407.7
31°	5064.6
32°	4703.5
33°	4324.7
34°	3954.1
35°	3587.2
37.5°	2693.9
40°	1909.0
42.5°	1293.2
45°	864.9
47.5°	580.2
50°	387.8
52.5°	234.1
55°	156.9
57.5°	109.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	64.9
62.5°	44.4
65°	29.7
67.5°	26.6
70°	2.5
72.5°	6.2
75°	2.5
77.5°	2.5
80°	0.0
82.5°	6.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)