

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: P247320

Luminaire Tested: **LD8B100D010 ER8B100940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247320
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: LD8B100D010 ER8B100940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9213.9 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

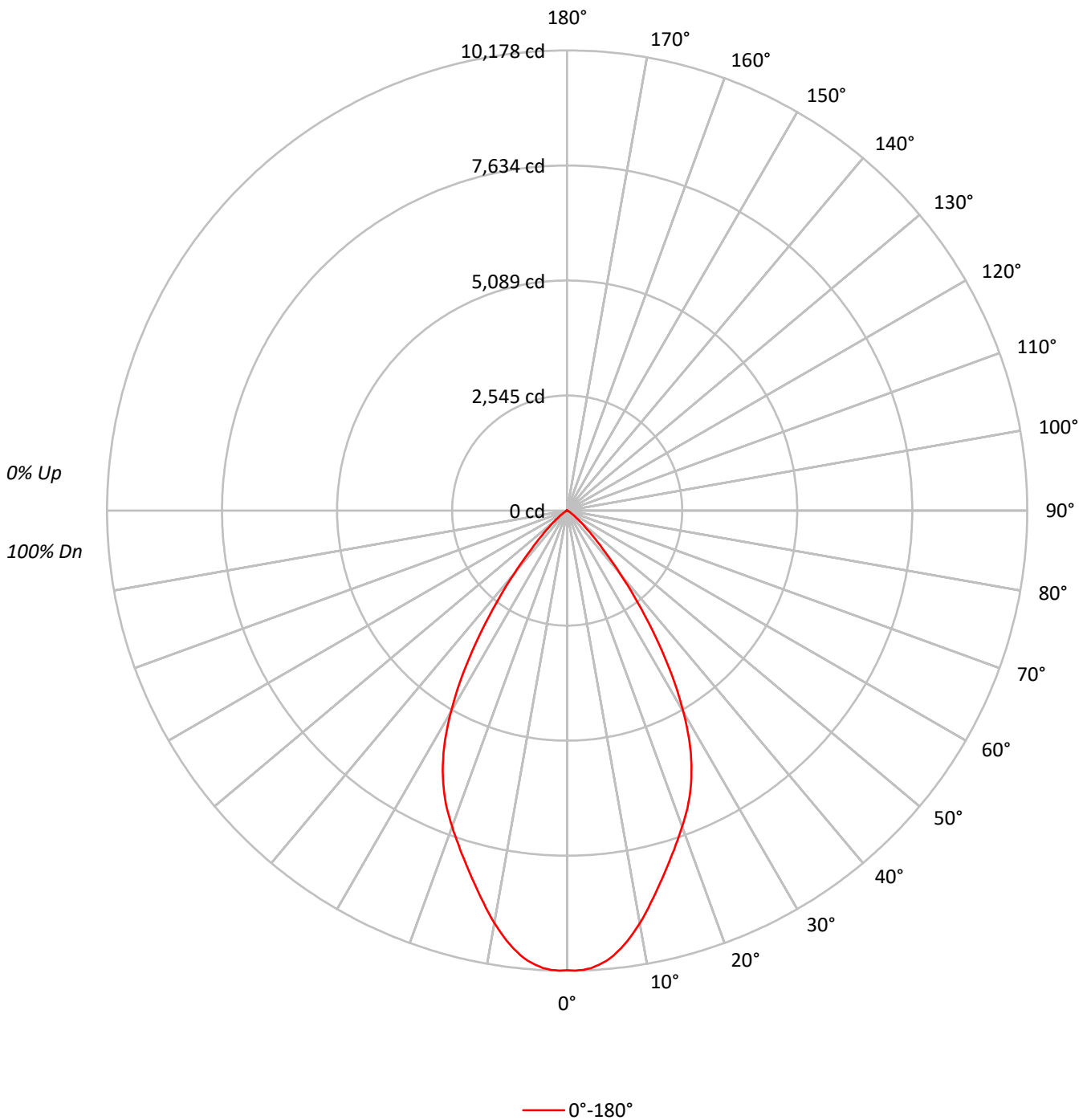
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	66	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):

	0°
0°	313420
5°	309380
10°	290046
15°	265232
20°	244172
25°	221249
30°	183197
35°	128476
40°	73109
45°	35882
50°	17697
55°	8032
60°	3805
65°	2058
70°	207
75°	274
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.1	10.1
10°-20°	2332.2	25.3
20°-30°	2944.1	32.0
30°-40°	2117.8	23.0
40°-50°	701.0	7.6
50°-60°	152.6	1.7
60°-70°	31.4	0.3
70°-80°	3.0	0.0
80°-90°	1.6	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°	6206.5	67.4
0°-40°	8324.3	90.3
0°-60°	9177.9	99.6
0°-90°	9213.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9213.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10164	
5°	9995	930
15°	8308	2332
25°	6503	2944
35°	3413	2118
45°	823	701
55°	149	153
65°	28	31
75°	2	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10164.0
1°	10178.3
2°	10166.3
3°	10132.8
4°	10070.5
5°	9994.8
6°	9890.9
7°	9755.5
8°	9606.1
9°	9442.8
10°	9263.1
11°	9079.7
12°	8880.0
13°	8687.5
14°	8493.9
15°	8308.2
16°	8125.3
17°	7950.0
18°	7776.2
19°	7609.1
20°	7440.8
21°	7268.4
22°	7100.1
23°	6917.0
24°	6719.6
25°	6502.7
26°	6275.0
27°	6021.4
28°	5753.3
29°	5455.4
30°	5145.0
31°	4818.6
32°	4475.1
33°	4114.6
34°	3762.0
35°	3412.9
37.5°	2563.1
40°	1816.2
42.5°	1230.4
45°	822.8
47.5°	552.0
50°	368.9
52.5°	222.7
55°	149.4
57.5°	103.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	61.7
62.5°	42.2
65°	28.2
67.5°	25.3
70°	2.3
72.5°	5.8
75°	2.3
77.5°	2.3
80°	0.0
82.5°	5.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)