

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: P247302

Luminaire Tested: **LD8B80D010 ER8B80850 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247302
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: LD8B80D010 ER8B80850 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.0 lumens
Efficiency: N/A
Efficacy: 108.4 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

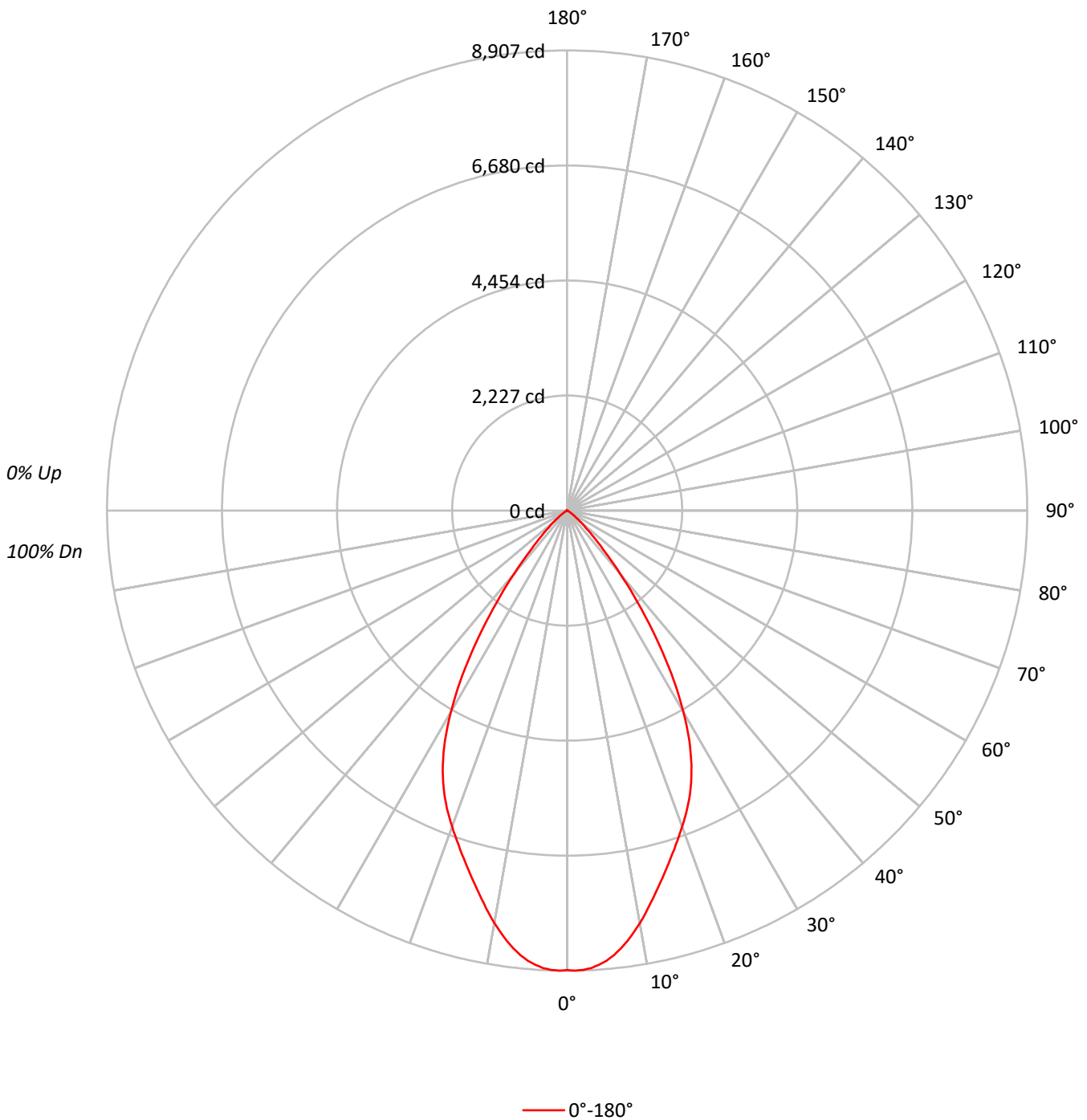
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	274267
5°	270734
10°	253815
15°	232098
20°	213670
25°	193611
30°	160312
35°	112428
40°	63980
45°	31399
50°	15486
55°	7027
60°	3330
65°	1802
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.9	10.1
10°-20°	2040.9	25.3
20°-30°	2576.3	32.0
30°-40°	1853.3	23.0
40°-50°	613.4	7.6
50°-60°	133.6	1.7
60°-70°	27.5	0.3
70°-80°	2.7	0.0
80°-90°	1.4	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°	5431.2	67.4
0°-40°	7284.4	90.3
0°-60°	8031.5	99.6
0°-90°	8063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8063.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8894	
5°	8746	814
15°	7270	2041
25°	5690	2576
35°	2987	1853
45°	720	613
55°	131	134
65°	25	27
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8894.3
1°	8906.8
2°	8896.4
3°	8867.1
4°	8812.5
5°	8746.3
6°	8655.3
7°	8536.9
8°	8406.1
9°	8263.2
10°	8106.0
11°	7945.5
12°	7770.7
13°	7602.3
14°	7432.9
15°	7270.3
16°	7110.3
17°	6956.9
18°	6804.8
19°	6658.6
20°	6511.3
21°	6360.5
22°	6213.2
23°	6052.9
24°	5880.2
25°	5690.4
26°	5491.1
27°	5269.2
28°	5034.6
29°	4773.9
30°	4502.3
31°	4216.7
32°	3916.1
33°	3600.6
34°	3292.1
35°	2986.6
37.5°	2242.9
40°	1589.4
42.5°	1076.7
45°	720.0
47.5°	483.1
50°	322.8
52.5°	194.9
55°	130.7
57.5°	91.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	54.0
62.5°	36.9
65°	24.7
67.5°	22.2
70°	2.0
72.5°	5.1
75°	2.0
77.5°	2.0
80°	0.0
82.5°	5.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)