

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: P247326

Luminaire Tested: **LD8B80D010 ER8B809727 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247326
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 ER8B809727 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5543.0 lumens
Efficiency: N/A
Efficacy: 74.5 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

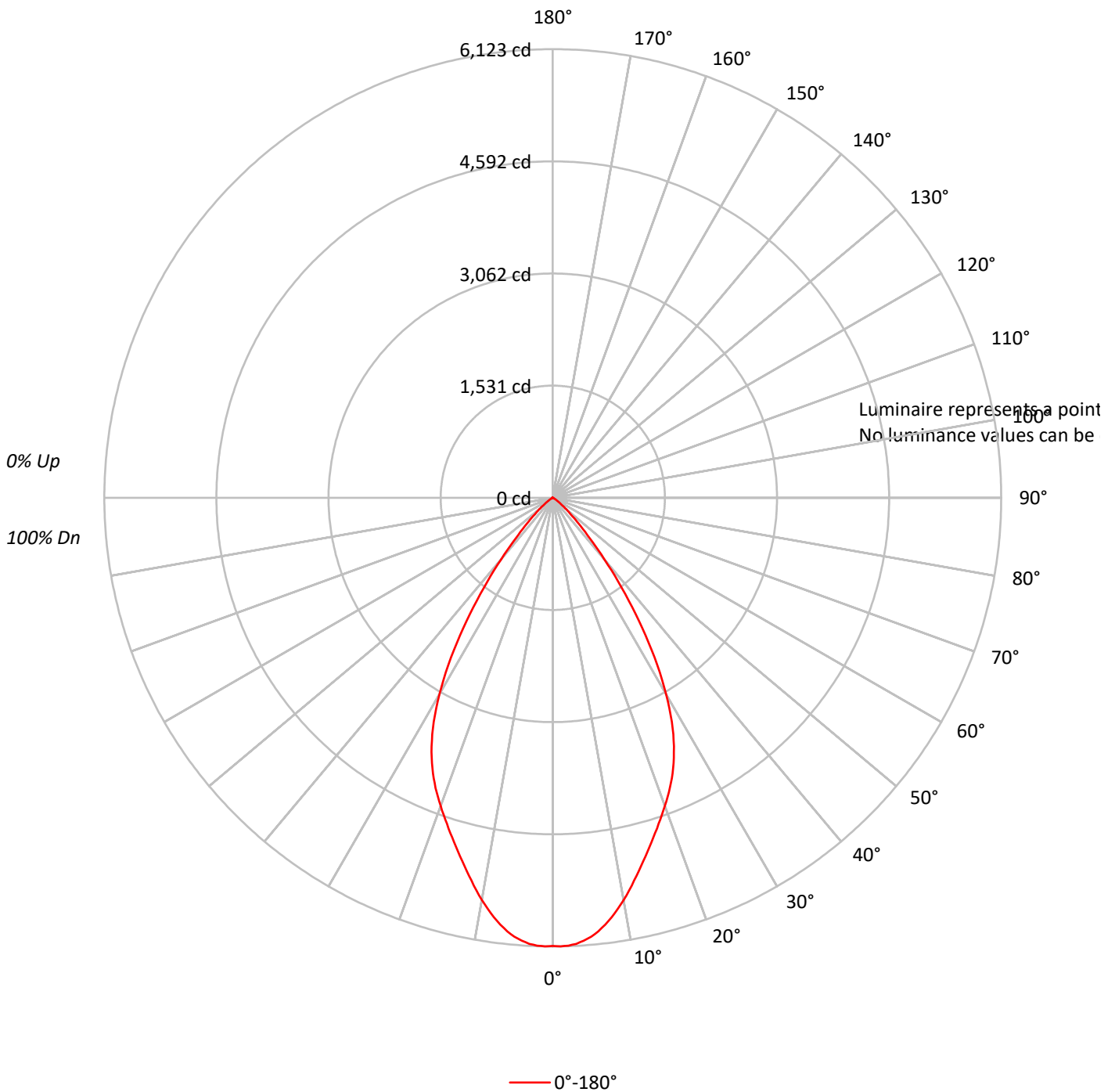
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247326

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBM0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P247326

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBM0WMH

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):





TEST NUMBER: P247326

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBM0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.5	10.1
10°-20°	1403.0	25.3
20°-30°	1771.1	32.0
30°-40°	1274.1	23.0
40°-50°	421.7	7.6
50°-60°	91.8	1.7
60°-70°	18.9	0.3
70°-80°	1.8	0.0
80°-90°	1.0	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°	3733.7	67.4
0°-40°	5007.8	90.3
0°-60°	5521.3	99.6
0°-90°	5543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6114	
5°	6013	560
15°	4998	1403
25°	3912	1771
35°	2053	1274
45°	495	422
55°	90	92
65°	17	19
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P247326

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBM0WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	6114.5
1°	6123.1
2°	6115.9
3°	6095.8
4°	6058.3
5°	6012.7
6°	5950.2
7°	5868.8
8°	5778.9
9°	5680.6
10°	5572.6
11°	5462.2
12°	5342.1
13°	5226.3
14°	5109.8
15°	4998.1
16°	4888.1
17°	4782.6
18°	4678.0
19°	4577.5
20°	4476.3
21°	4372.6
22°	4271.3
23°	4161.2
24°	4042.4
25°	3911.9
26°	3774.9
27°	3622.4
28°	3461.1
29°	3281.9
30°	3095.2
31°	2898.8
32°	2692.1
33°	2475.3
34°	2263.2
35°	2053.2
37.5°	1541.9
40°	1092.6
42.5°	740.2
45°	495.0
47.5°	332.1
50°	221.9
52.5°	134.0
55°	89.9
57.5°	62.5



TEST NUMBER: P247326

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBM0WMH

CANDELA DISTRIBUTION (continued):

	0°
60°	37.1
62.5°	25.4
65°	17.0
67.5°	15.2
70°	1.4
72.5°	3.5
75°	1.4
77.5°	1.4
80°	0.0
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)