

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: P250699

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759727 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11427.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

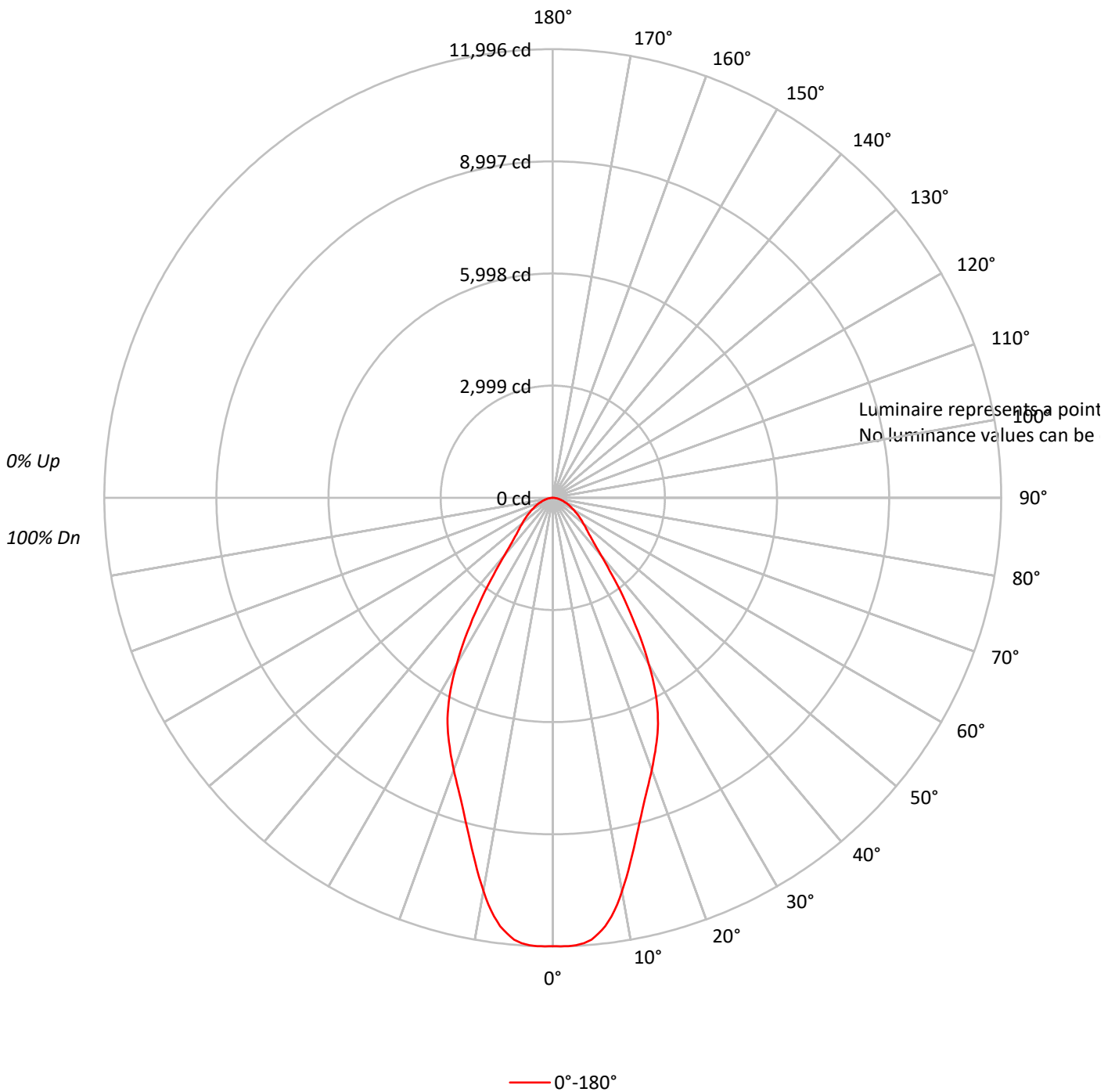
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250699

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBN0MW

Luminous Intensity Polar Plot





TEST NUMBER: P250699

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBN0MW

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	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P250699

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBN0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1094.4	9.6
10°-20°	2525.1	22.1
20°-30°	3009.6	26.3
30°-40°	2124.4	18.6
40°-50°	1097.1	9.6
50°-60°	752.9	6.6
60°-70°	489.5	4.3
70°-80°	256.2	2.2
80°-90°	77.9	0.7
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°	6629.1	58.0
0°-40°	8753.5	76.6
0°-60°	10603.4	92.8
0°-90°	11427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11427.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11988	
5°	11857	###
15°	8980	2525
25°	6662	3010
35°	3376	2124
45°	1371	1097
55°	835	753
65°	492	489
75°	237	256
85°	66	78
90°	0	



TEST NUMBER: P250699

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBN0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	11988.5
1°	11995.8
2°	11995.8
3°	11977.5
4°	11937.4
5°	11857.1
6°	11715.0
7°	11540.0
8°	11299.3
9°	11007.7
10°	10679.5
11°	10333.1
12°	9972.0
13°	9625.8
14°	9290.3
15°	8980.5
16°	8692.4
17°	8426.2
18°	8185.5
19°	7959.4
20°	7740.7
21°	7525.6
22°	7314.1
23°	7102.7
24°	6887.6
25°	6661.5
26°	6406.2
27°	6129.0
28°	5826.5
29°	5505.7
30°	5141.0
31°	4787.4
32°	4426.3
33°	4054.4
34°	3711.7
35°	3376.4
37.5°	2599.7
40°	2001.8
42.5°	1611.6
45°	1370.9
47.5°	1199.5
50°	1064.7
52.5°	948.0
55°	835.0
57.5°	732.9



TEST NUMBER: P250699

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBN0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	649.0
62.5°	565.2
65°	492.2
67.5°	426.6
70°	342.8
72.5°	295.4
75°	237.0
77.5°	193.2
80°	149.4
82.5°	109.4
85°	65.7
87.5°	36.4
90°	0.0

(END OF REPORT)