

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: P250700

Luminaire Tested: **LD8B200D010 ER8B2009727 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250700
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: LD8B200D010 ER8B2009727 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: 13470.0 lumens
Efficiency: N/A
Efficacy: 60.3 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

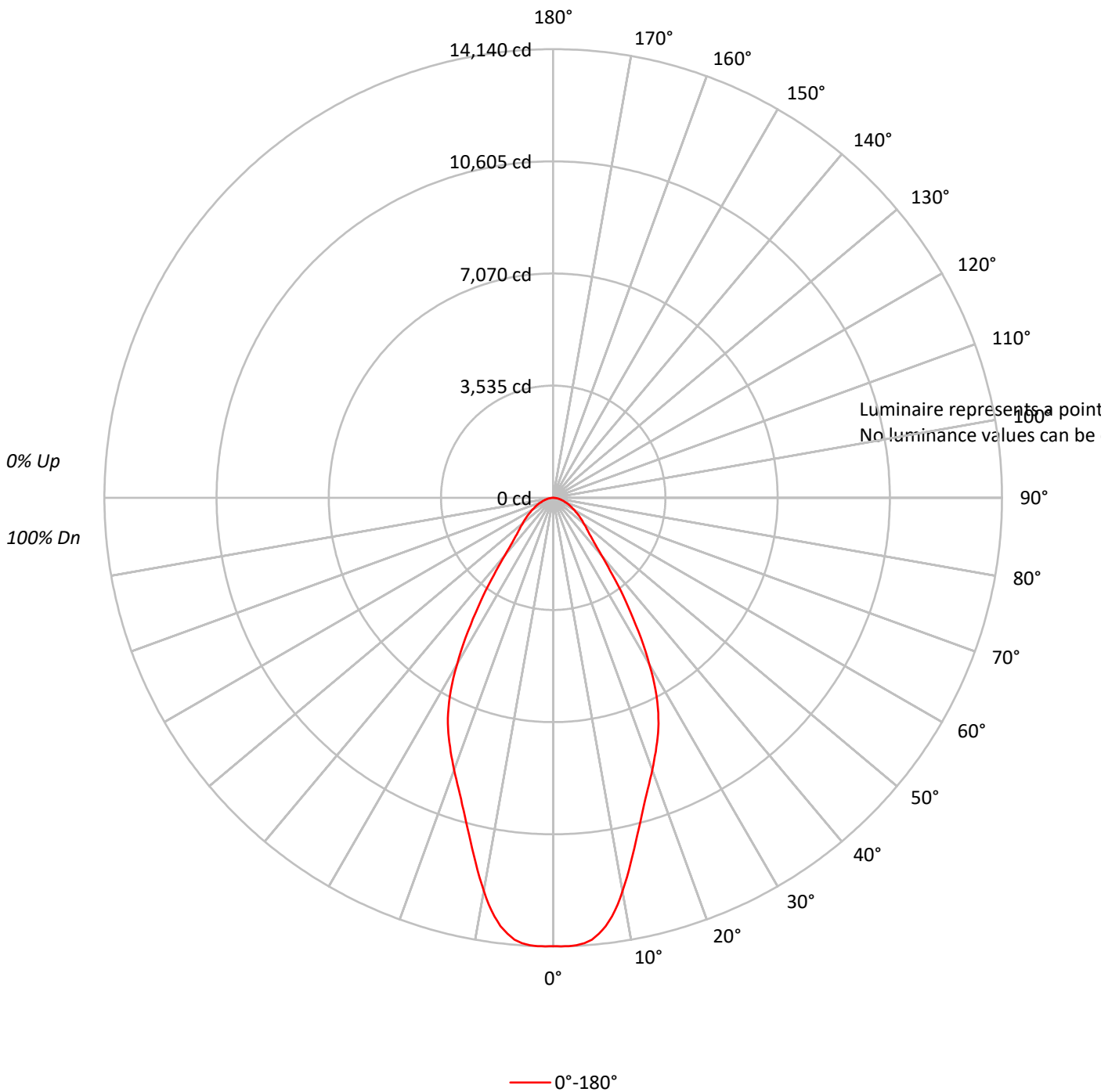
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250700

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0MW

Luminous Intensity Polar Plot





TEST NUMBER: P250700

CATALOG NUMBER: LD8B200D010 ER8B2009727 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: P250700

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1290.0	9.6
10°-20°	2976.6	22.1
20°-30°	3547.6	26.3
30°-40°	2504.2	18.6
40°-50°	1293.3	9.6
50°-60°	887.5	6.6
60°-70°	576.9	4.3
70°-80°	302.0	2.2
80°-90°	91.8	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°	7814.3	58.0
0°-40°	10318.5	76.6
0°-60°	12499.2	92.8
0°-90°	13470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13470.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14132	
5°	13977	###
15°	10586	2977
25°	7852	3548
35°	3980	2504
45°	1616	1293
55°	984	887
65°	580	577
75°	279	302
85°	77	92
90°	0	



TEST NUMBER: P250700

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	14131.8
1°	14140.5
2°	14140.5
3°	14118.9
4°	14071.7
5°	13977.0
6°	13809.5
7°	13603.2
8°	13319.4
9°	12975.7
10°	12588.9
11°	12180.5
12°	11754.9
13°	11346.7
14°	10951.3
15°	10586.0
16°	10246.5
17°	9932.7
18°	9649.0
19°	9382.5
20°	9124.6
21°	8871.1
22°	8621.8
23°	8372.5
24°	8119.0
25°	7852.5
26°	7551.5
27°	7224.8
28°	6868.2
29°	6490.0
30°	6060.1
31°	5643.3
32°	5217.7
33°	4779.3
34°	4375.3
35°	3980.0
37.5°	3064.5
40°	2359.7
42.5°	1899.8
45°	1616.0
47.5°	1414.0
50°	1255.1
52.5°	1117.5
55°	984.3
57.5°	864.0



TEST NUMBER: P250700

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	765.0
62.5°	666.2
65°	580.2
67.5°	502.8
70°	404.1
72.5°	348.2
75°	279.4
77.5°	227.7
80°	176.2
82.5°	128.9
85°	77.4
87.5°	42.9
90°	0.0

(END OF REPORT)