

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: P250784

Luminaire Tested: **LD8B200D010 ER8B2009727 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009727 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14901.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

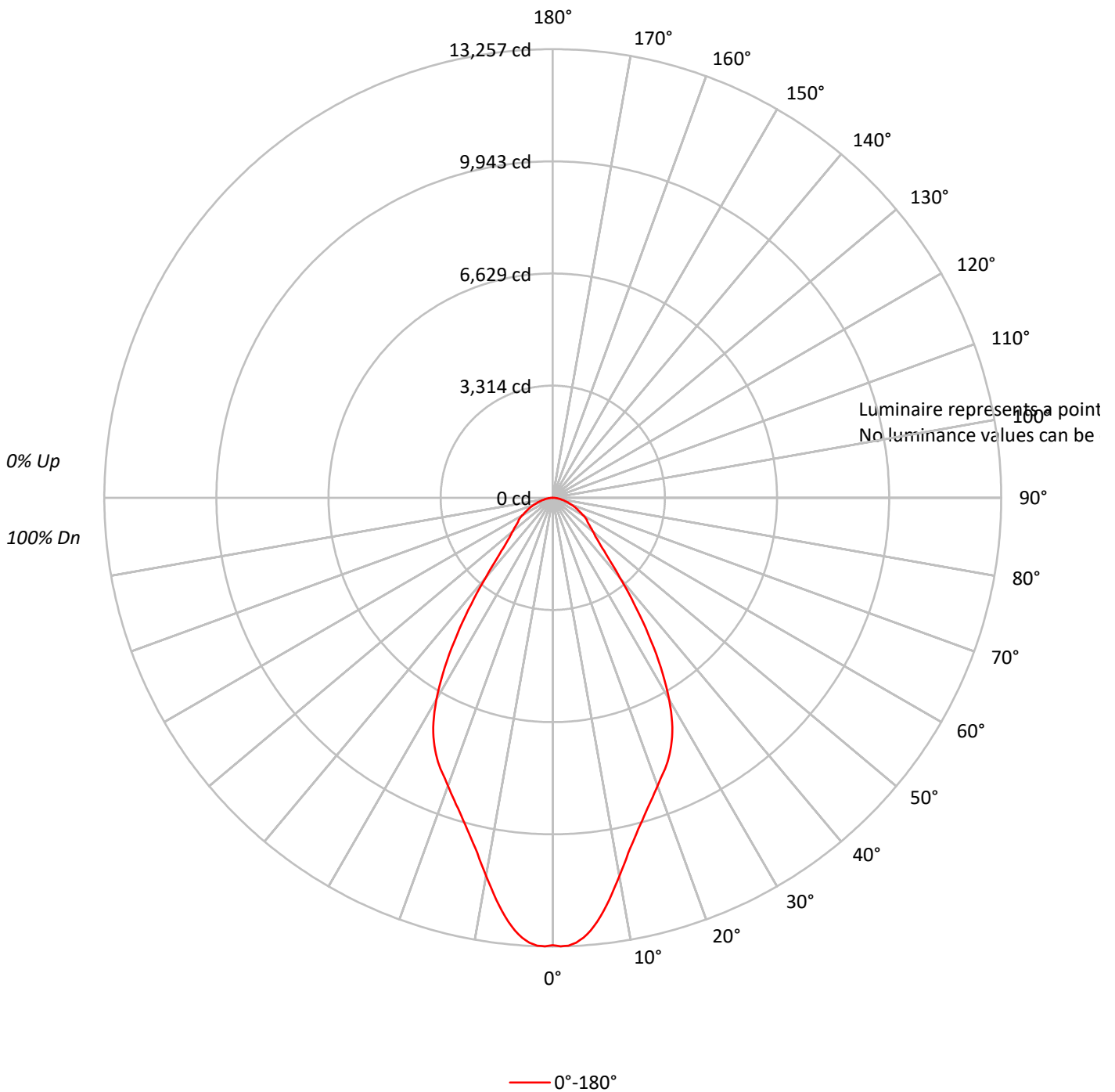
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250784

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBM0MW

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1174.7	7.9
10°-20°	2819.4	18.9
20°-30°	3736.3	25.1
30°-40°	3063.8	20.6
40°-50°	1631.8	11.0
50°-60°	1148.5	7.7
60°-70°	792.0	5.3
70°-80°	412.4	2.8
80°-90°	122.0	0.8
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°	7730.5	51.9
0°-40°	10794.3	72.4
0°-60°	13574.6	91.1
0°-90°	14901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14901.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13218	
5°	12834	###
15°	9998	2819
25°	8230	3736
35°	4928	3064
45°	2013	1632
55°	1263	1148
65°	793	792
75°	392	412
85°	112	122
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13217.9
1°	13256.8
2°	13239.5
3°	13161.8
4°	13028.3
5°	12834.2
6°	12592.8
7°	12304.0
8°	11993.6
9°	11661.6
10°	11342.6
11°	11036.5
12°	10726.0
13°	10467.4
14°	10221.7
15°	9997.6
16°	9786.3
17°	9592.3
18°	9411.2
19°	9230.1
20°	9057.7
21°	8889.5
22°	8743.0
23°	8592.1
24°	8415.4
25°	8229.9
26°	8018.7
27°	7781.6
28°	7514.3
29°	7216.8
30°	6876.2
31°	6518.4
32°	6143.4
33°	5742.5
34°	5341.5
35°	4927.6
37.5°	3949.0
40°	3095.4
42.5°	2444.4
45°	2013.3
47.5°	1728.8
50°	1552.0
52.5°	1396.8
55°	1263.2
57.5°	1181.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	1043.3
62.5°	909.6
65°	793.3
67.5°	689.8
70°	577.6
72.5°	482.8
75°	392.3
77.5°	284.5
80°	232.8
82.5°	168.1
85°	112.1
87.5°	51.7
90°	0.0

(END OF REPORT)