

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: P248053

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15056.0 lumens
Efficiency: N/A
Efficacy: 67.4 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

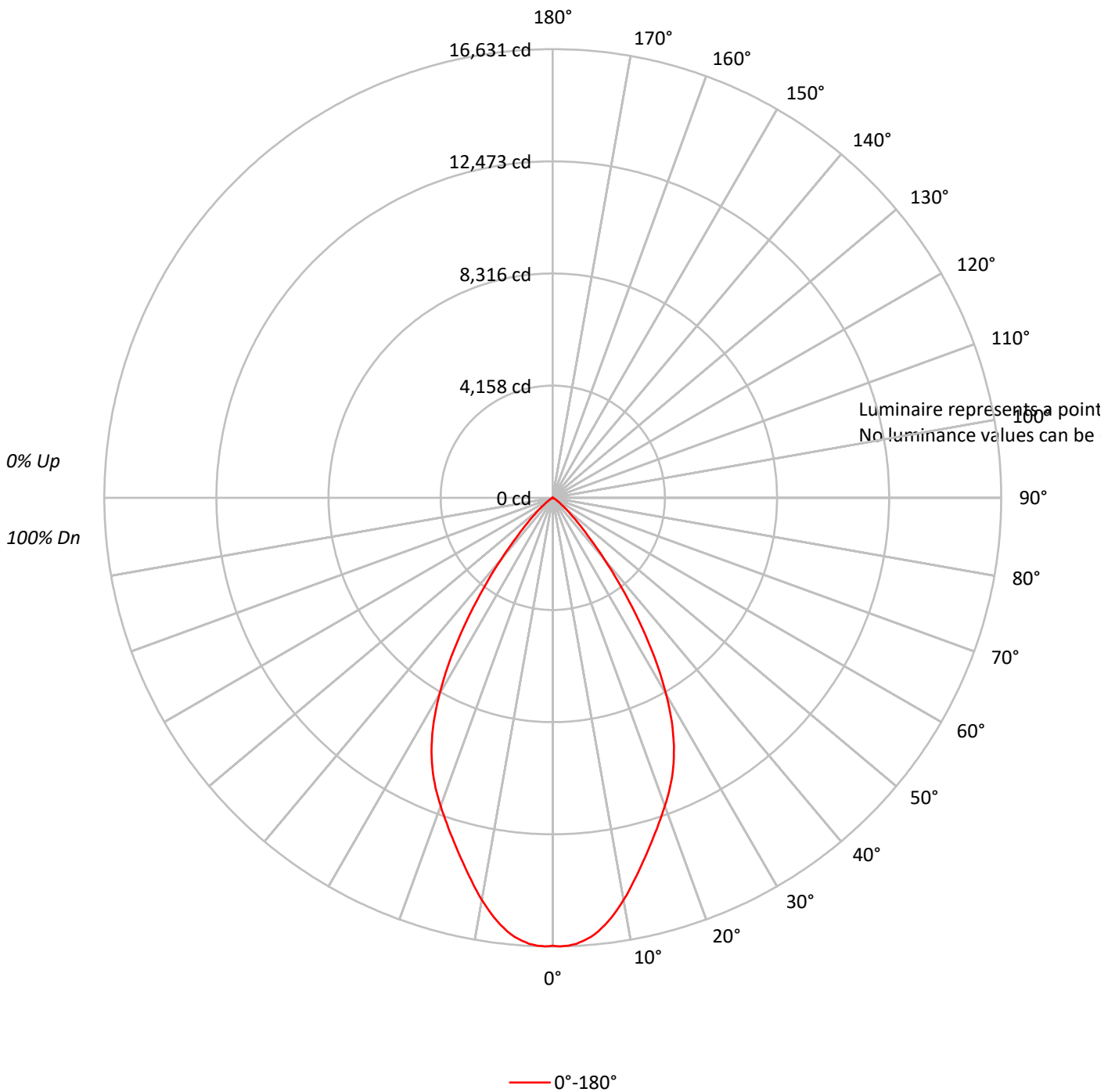
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65	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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1519.8	10.1
10°-20°	3810.8	25.3
20°-30°	4810.6	32.0
30°-40°	3460.6	23.0
40°-50°	1145.4	7.6
50°-60°	249.5	1.7
60°-70°	51.5	0.3
70°-80°	5.5	0.0
80°-90°	2.5	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°	10141.1	67.4
0°-40°	13601.7	90.3
0°-60°	14996.5	99.6
0°-90°	15056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16608	
5°	16331	###
15°	13575	3811
25°	10625	4811
35°	5577	3461
45°	1344	1145
55°	244	249
65°	46	51
75°	5	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16607.6
1°	16630.6
2°	16612.1
3°	16556.9
4°	16455.7
5°	16331.4
6°	16161.2
7°	15940.4
8°	15696.4
9°	15429.5
10°	15135.0
11°	14835.9
12°	14509.2
13°	14196.2
14°	13878.7
15°	13575.1
16°	13275.9
17°	12990.6
18°	12705.4
19°	12433.8
20°	12157.7
21°	11877.0
22°	11600.9
23°	11301.7
24°	10979.7
25°	10625.4
26°	10252.6
27°	9838.4
28°	9401.3
29°	8913.5
30°	8407.3
31°	7873.5
32°	7312.1
33°	6723.1
34°	6147.9
35°	5577.2
37.5°	4187.6
40°	2968.1
42.5°	2011.0
45°	1343.7
47.5°	901.9
50°	602.8
52.5°	363.6
55°	243.9
57.5°	170.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	101.2
62.5°	69.0
65°	46.1
67.5°	41.4
70°	4.6
72.5°	9.2
75°	4.6
77.5°	4.6
80°	0.0
82.5°	9.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)