

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: P250609

Luminaire Tested: **LD8B200D010 ER8B200950 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200950 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12549.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

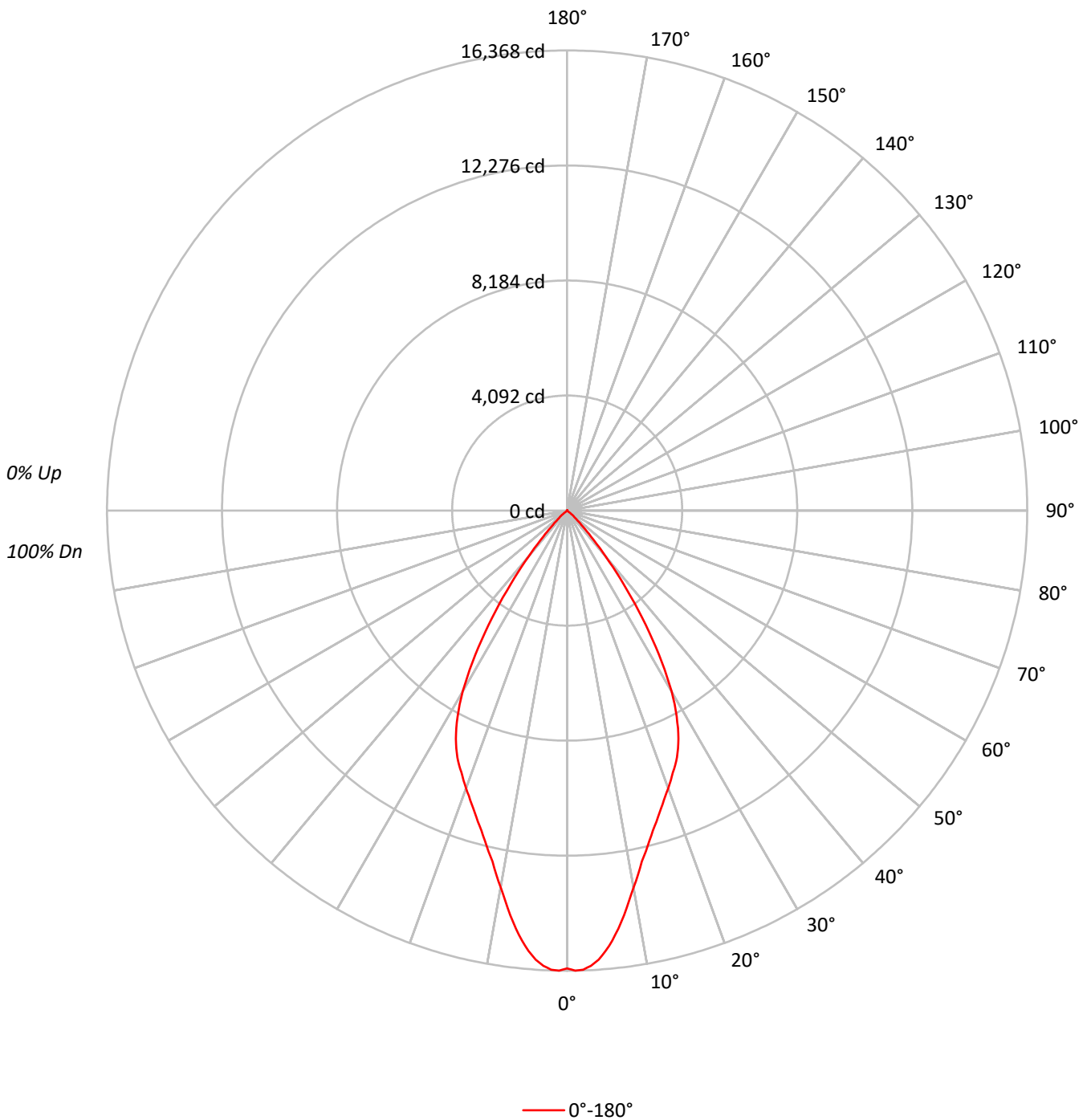
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502102
5°	486747
10°	426294
15°	376356
20°	344869
25°	317547
30°	264301
35°	175550
40°	85439
45°	30945
50°	9312
55°	656
60°	0
65°	445
70°	0
75°	0
80°	1083
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1430.2	11.4
10°-20°	3321.4	26.5
20°-30°	4213.7	33.6
30°-40°	2886.7	23.0
40°-50°	657.8	5.2
50°-60°	32.8	0.3
60°-70°	1.5	0.0
70°-80°	2.4	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°	8965.3	71.4
0°-40°	11852.0	94.4
0°-60°	12542.6	99.9
0°-90°	12549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12549.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16283	
5°	15725	###
15°	11789	3321
25°	9333	4214
35°	4663	2887
45°	710	658
55°	12	33
65°	6	2
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16282.8
1°	16367.6
2°	16337.2
3°	16216.0
4°	16009.7
5°	15724.8
6°	15379.1
7°	14978.9
8°	14536.1
9°	14063.1
10°	13614.4
11°	13202.0
12°	12759.4
13°	12438.0
14°	12098.3
15°	11789.1
16°	11510.1
17°	11237.1
18°	10982.5
19°	10733.8
20°	10509.4
21°	10279.0
22°	10042.5
23°	9836.4
24°	9605.9
25°	9333.0
26°	9029.8
27°	8678.1
28°	8302.1
29°	7883.6
30°	7422.8
31°	6901.2
32°	6361.5
33°	5797.5
34°	5221.3
35°	4663.4
37.5°	3292.9
40°	2122.5
42.5°	1249.2
45°	709.6
47.5°	382.1
50°	194.1
52.5°	36.4
55°	12.2
57.5°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	6.1
67.5°	0.0
70°	0.0
72.5°	6.1
75°	0.0
77.5°	0.0
80°	6.1
82.5°	0.0
85°	0.0
87.5°	6.1
90°	0.0

(END OF REPORT)