

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: P250574

Luminaire Tested: **LD8B200D010 ER8B200850 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250574
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 ER8B200850 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13784.1 lumens
Efficiency: N/A
Efficacy: 61.7 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

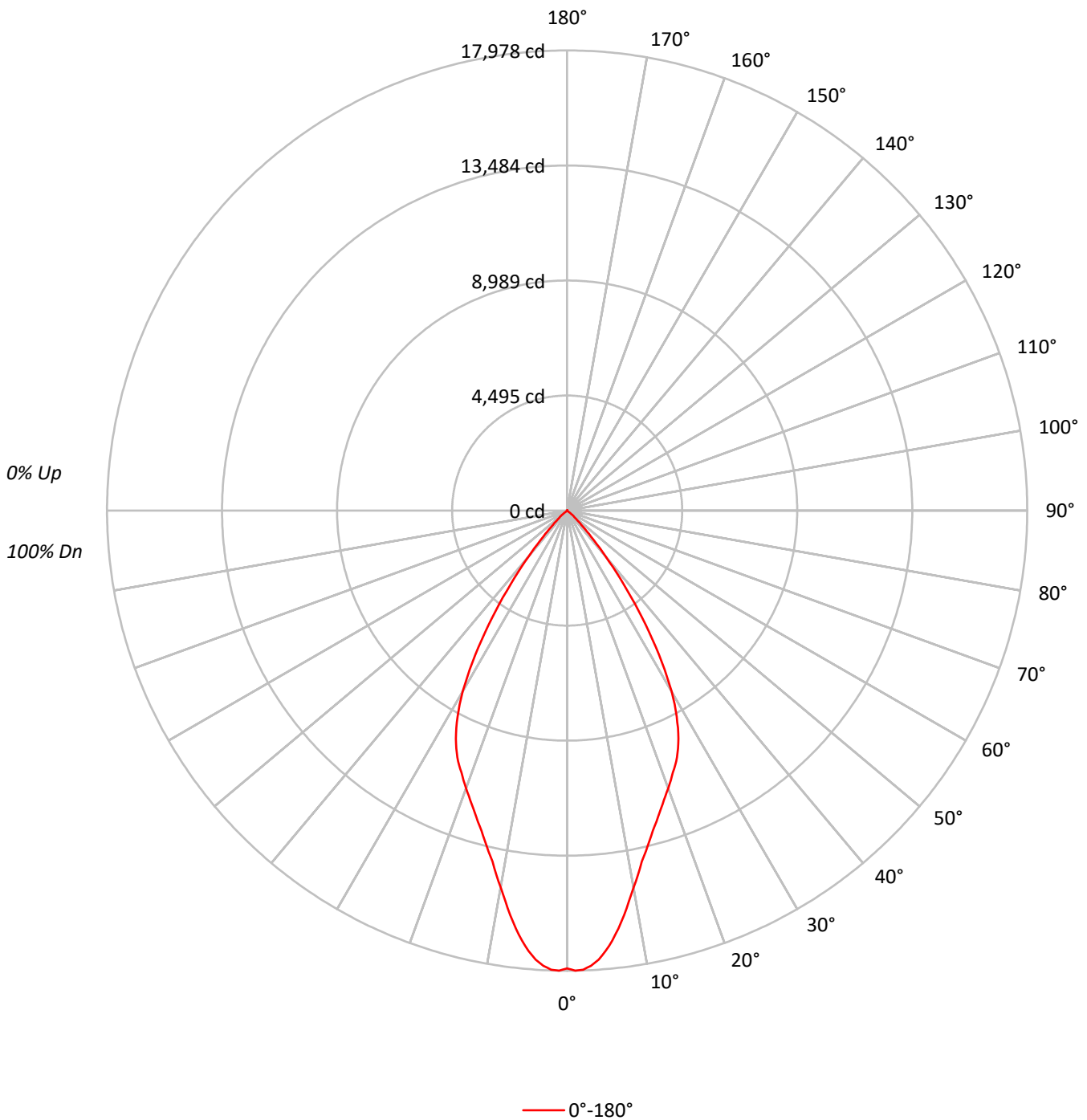
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	551514
5°	534652
10°	468246
15°	413395
20°	378810
25°	348802
30°	290312
35°	192829
40°	93848
45°	33989
50°	10228
55°	720
60°	0
65°	489
70°	0
75°	0
80°	1190
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1570.9	11.4
10°-20°	3648.3	26.5
20°-30°	4628.4	33.6
30°-40°	3170.8	23.0
40°-50°	722.6	5.2
50°-60°	36.0	0.3
60°-70°	1.7	0.0
70°-80°	2.7	0.0
80°-90°	2.7	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°	9847.6	71.4
0°-40°	13018.4	94.4
0°-60°	13777.0	99.9
0°-90°	13784.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13784.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17885	
5°	17272	###
15°	12949	3648
25°	10252	4628
35°	5122	3171
45°	779	723
55°	13	36
65°	7	2
75°	0	3
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17885.2
1°	17978.4
2°	17945.0
3°	17811.9
4°	17585.3
5°	17272.4
6°	16892.6
7°	16453.0
8°	15966.7
9°	15447.1
10°	14954.2
11°	14501.3
12°	14015.1
13°	13662.1
14°	13289.0
15°	12949.3
16°	12642.9
17°	12343.0
18°	12063.3
19°	11790.2
20°	11543.7
21°	11290.6
22°	11030.8
23°	10804.4
24°	10551.3
25°	10251.6
26°	9918.4
27°	9532.1
28°	9119.1
29°	8659.5
30°	8153.3
31°	7580.4
32°	6987.6
33°	6368.1
34°	5735.2
35°	5122.4
37.5°	3617.0
40°	2331.4
42.5°	1372.2
45°	779.4
47.5°	419.7
50°	213.2
52.5°	39.9
55°	13.4
57.5°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	6.7
67.5°	0.0
70°	0.0
72.5°	6.7
75°	0.0
77.5°	0.0
80°	6.7
82.5°	0.0
85°	0.0
87.5°	6.7
90°	0.0

(END OF REPORT)