

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: P250560

Luminaire Tested: **LD8B200D010 ER8B200835 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250560
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 ER8B200835 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13608.0 lumens
Efficiency: N/A
Efficacy: 60.9 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

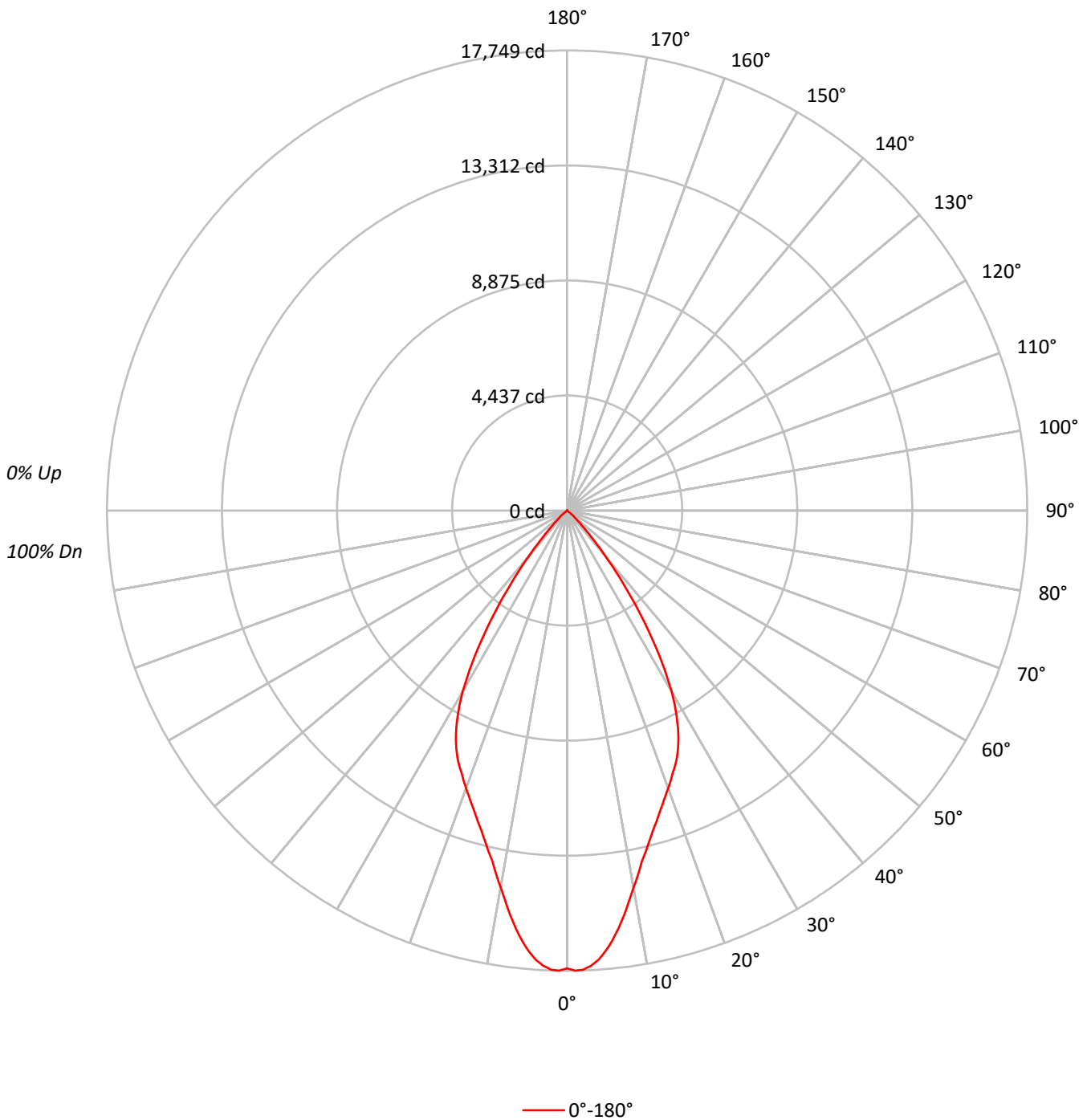
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	544471
5°	527823
10°	462269
15°	408118
20°	373973
25°	344348
30°	286606
35°	190367
40°	92648
45°	33553
50°	10098
55°	710
60°	0
65°	482
70°	0
75°	0
80°	1172
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1550.9	11.4
10°-20°	3601.7	26.5
20°-30°	4569.3	33.6
30°-40°	3130.3	23.0
40°-50°	713.4	5.2
50°-60°	35.6	0.3
60°-70°	1.6	0.0
70°-80°	2.6	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°	9721.8	71.4
0°-40°	12852.2	94.4
0°-60°	13601.1	99.9
0°-90°	13608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13608.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17657	
5°	17052	###
15°	12784	3602
25°	10121	4569
35°	5057	3130
45°	769	713
55°	13	36
65°	7	2
75°	0	3
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17656.8
1°	17748.9
2°	17715.9
3°	17584.4
4°	17360.8
5°	17051.8
6°	16676.9
7°	16243.0
8°	15762.8
9°	15249.9
10°	14763.3
11°	14316.1
12°	13836.1
13°	13487.6
14°	13119.3
15°	12784.0
16°	12481.5
17°	12185.4
18°	11909.3
19°	11639.6
20°	11396.3
21°	11146.4
22°	10890.0
23°	10666.4
24°	10416.6
25°	10120.7
26°	9791.8
27°	9410.4
28°	9002.7
29°	8548.9
30°	8049.2
31°	7483.6
32°	6898.4
33°	6286.8
34°	5662.0
35°	5057.0
37.5°	3570.8
40°	2301.6
42.5°	1354.7
45°	769.4
47.5°	414.3
50°	210.5
52.5°	39.4
55°	13.2
57.5°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	6.6
67.5°	0.0
70°	0.0
72.5°	6.6
75°	0.0
77.5°	0.0
80°	6.6
82.5°	0.0
85°	0.0
87.5°	6.6
90°	0.0

(END OF REPORT)