

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: P250546

Luminaire Tested: **LD8B200D010 ER8B200827 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250546
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 ER8B200827 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12766.0 lumens
Efficiency: N/A
Efficacy: 57.2 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

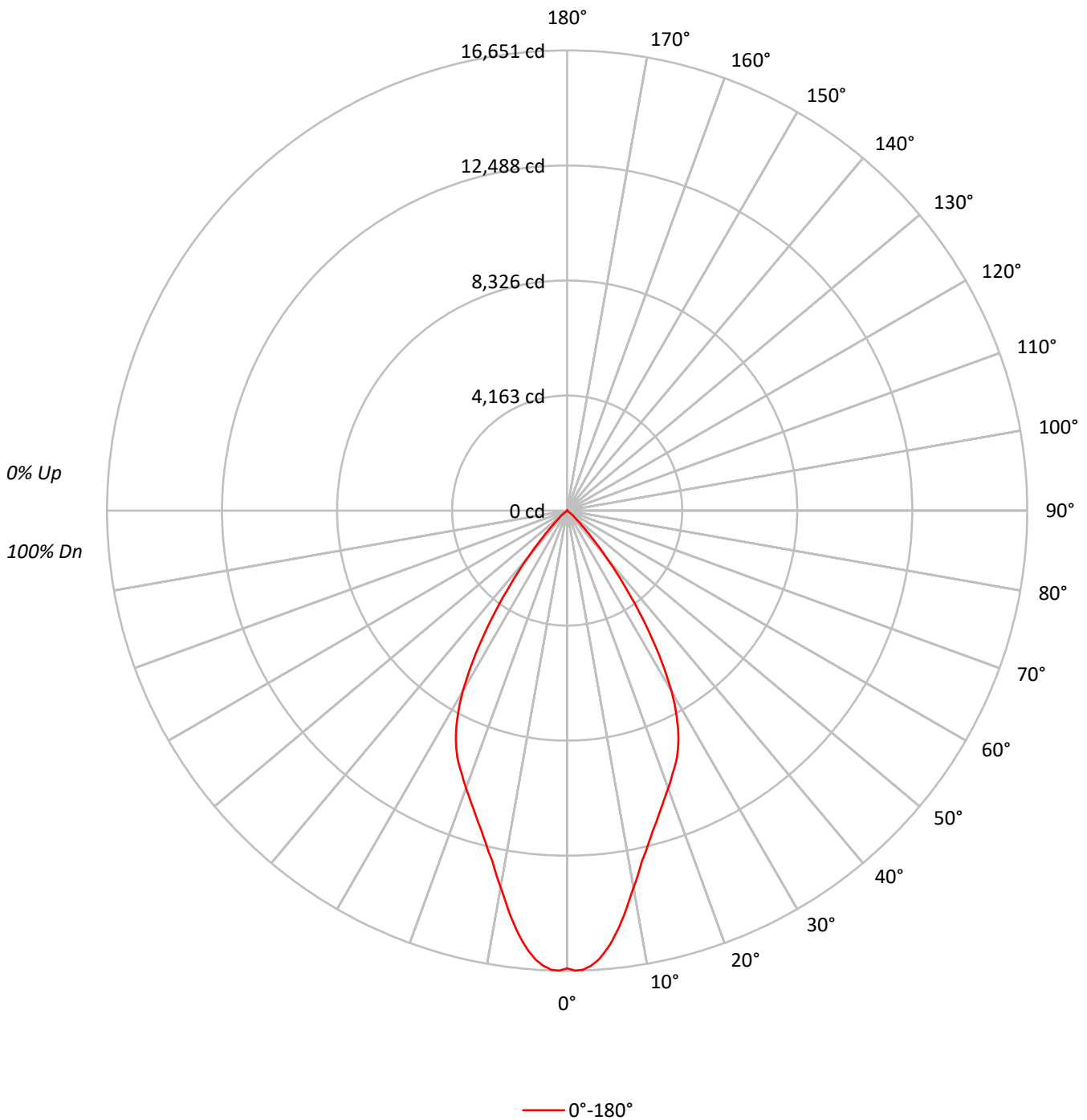
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250546

CATALOG NUMBER: LD8B200D010 ER8B200827 8LBM0B

Luminous Intensity Polar Plot





TEST NUMBER: P250546

CATALOG NUMBER: LD8B200D010 ER8B200827 8LBM0B

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°	510782
5°	495164
10°	433665
15°	382866
20°	350835
25°	323038
30°	268870
35°	178588
40°	86916
45°	31477
50°	9470
55°	667
60°	0
65°	452
70°	0
75°	0
80°	1101
85°	0



TEST NUMBER: P250546

CATALOG NUMBER: LD8B200D010 ER8B200827 8LBM0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1454.9	11.4
10°-20°	3378.8	26.5
20°-30°	4286.5	33.6
30°-40°	2936.6	23.0
40°-50°	669.2	5.2
50°-60°	33.4	0.3
60°-70°	1.5	0.0
70°-80°	2.5	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°	9120.3	71.4
0°-40°	12056.9	94.4
0°-60°	12759.5	99.9
0°-90°	12766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16564	
5°	15997	###
15°	11993	3379
25°	9494	4287
35°	4744	2937
45°	722	669
55°	12	33
65°	6	2
75°	0	2
85°	0	3
90°	0	



TEST NUMBER: P250546

CATALOG NUMBER: LD8B200D010 ER8B200827 8LBM0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	16564.3
1°	16650.7
2°	16619.7
3°	16496.4
4°	16286.6
5°	15996.7
6°	15645.0
7°	15237.9
8°	14787.5
9°	14306.3
10°	13849.8
11°	13430.3
12°	12980.0
13°	12653.1
14°	12307.5
15°	11993.0
16°	11709.2
17°	11431.4
18°	11172.4
19°	10919.4
20°	10691.2
21°	10456.7
22°	10216.1
23°	10006.5
24°	9772.0
25°	9494.4
26°	9185.9
27°	8828.1
28°	8445.6
29°	8020.0
30°	7551.1
31°	7020.5
32°	6471.5
33°	5897.8
34°	5311.6
35°	4744.1
37.5°	3349.9
40°	2159.2
42.5°	1270.8
45°	721.8
47.5°	388.7
50°	197.4
52.5°	37.0
55°	12.4
57.5°	6.2



TEST NUMBER: P250546

CATALOG NUMBER: LD8B200D010 ER8B200827 8LBM0B

CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	6.2
67.5°	0.0
70°	0.0
72.5°	6.2
75°	0.0
77.5°	0.0
80°	6.2
82.5°	0.0
85°	0.0
87.5°	6.2
90°	0.0

(END OF REPORT)