

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: P250357

Luminaire Tested: **LD8B200D010 ER8B200950 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200950 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15612.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

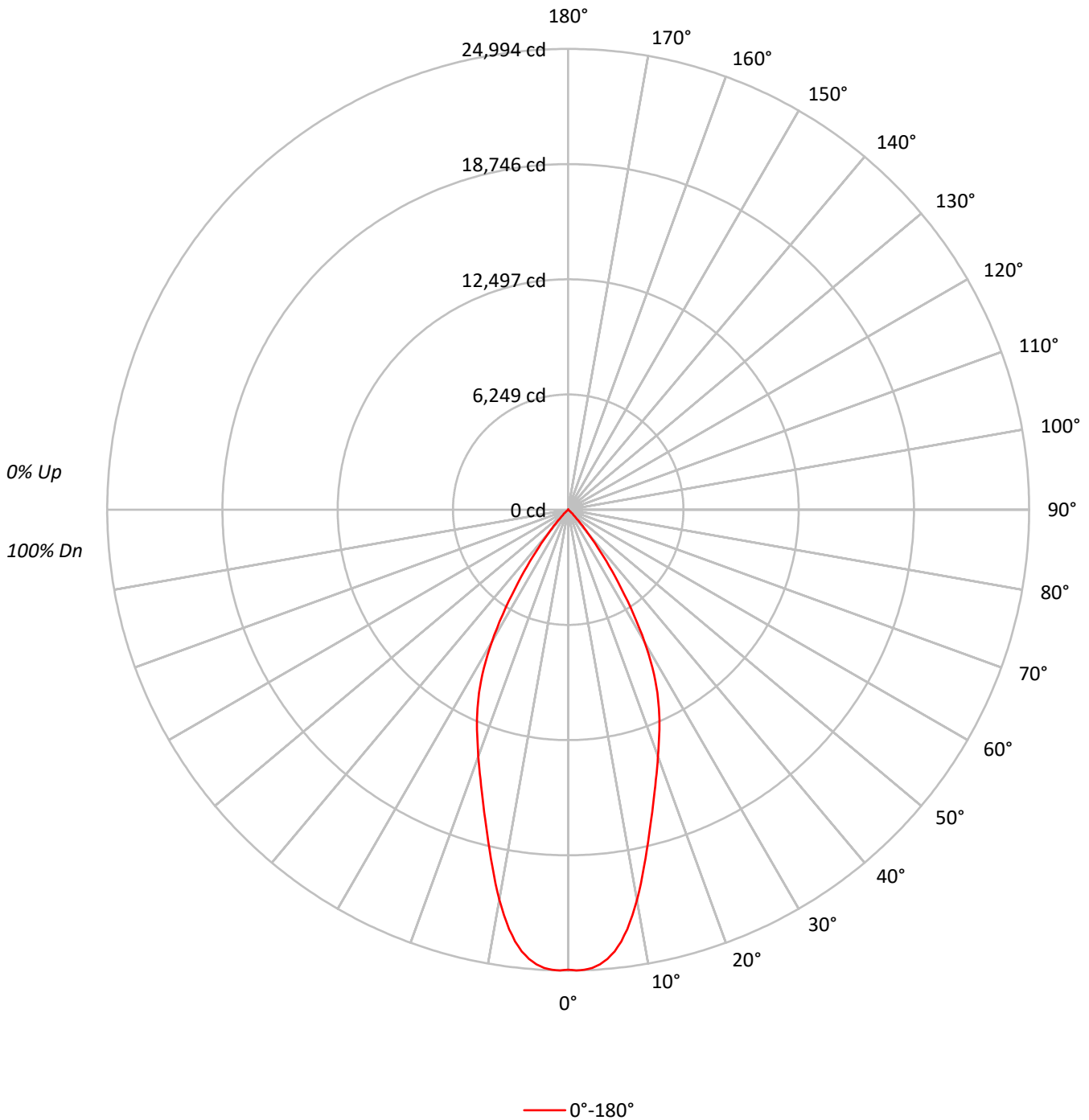
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250357

CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P250357

CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0GPH

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	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	769255
5°	756964
10°	672548
15°	554793
20°	467244
25°	394098
30°	295076
35°	166993
40°	66029
45°	17727
50°	3396
55°	0
60°	493
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P250357

CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2239.4	14.3
10°-20°	4867.3	31.2
20°-30°	5225.4	33.5
30°-40°	2824.2	18.1
40°-50°	440.6	2.8
50°-60°	12.1	0.1
60°-70°	3.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	12332.1	79.0
0°-40°	15156.3	97.1
0°-60°	15609.1	100.0
0°-90°	15612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24946	
5°	24454	###
15°	17378	4867
25°	11583	5225
35°	4436	2824
45°	406	441
55°	0	12
65°	0	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250357

CATALOG NUMBER: LD8B200D010 ER8B200950 8LBNOGPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	24946.4
1°	24993.8
2°	24970.3
3°	24884.8
4°	24720.5
5°	24454.4
6°	24088.1
7°	23595.3
8°	22978.4
9°	22268.4
10°	21478.9
11°	20650.7
12°	19791.6
13°	18933.3
14°	18135.8
15°	17378.5
16°	16683.2
17°	16011.4
18°	15386.5
19°	14801.4
20°	14238.6
21°	13691.7
22°	13175.8
23°	12661.2
24°	12122.2
25°	11582.9
26°	11036.0
27°	10411.5
28°	9723.8
29°	9021.7
30°	8287.1
31°	7498.4
32°	6708.8
33°	5928.1
34°	5139.3
35°	4436.1
37.5°	2835.2
40°	1640.3
42.5°	875.0
45°	406.5
47.5°	219.2
50°	70.8
52.5°	8.0
55°	0.0
57.5°	8.0



TEST NUMBER: P250357

CATALOG NUMBER: LD8B200D010 ER8B200950 8LBNOGPH

CANDELA DISTRIBUTION (continued):

	0°
60°	8.0
62.5°	0.0
65°	0.0
67.5°	8.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)