

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: P250091

Luminaire Tested: **LD8B200D010 ER8B200935 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200935 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16592.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

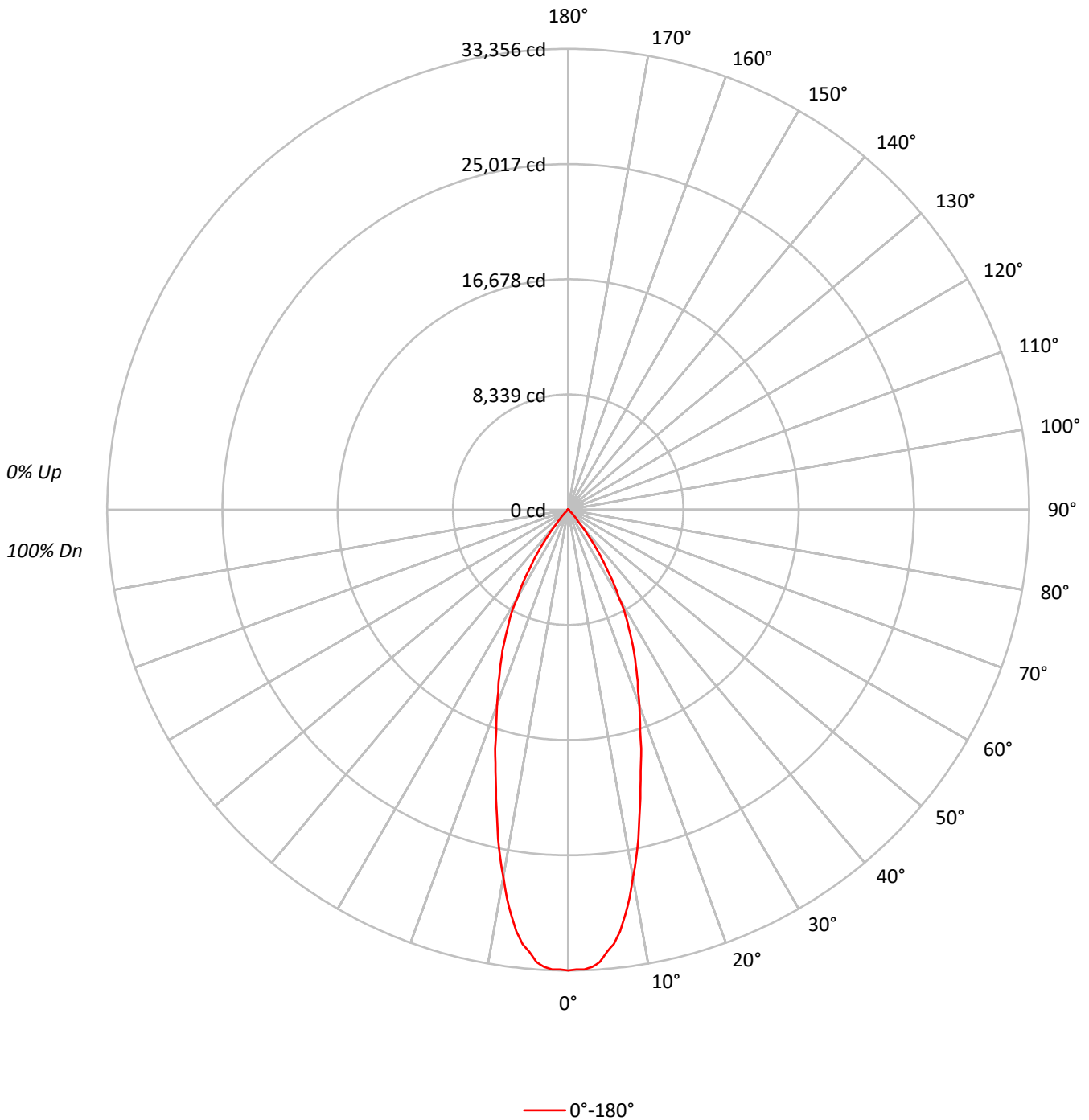
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1028576
5°	994688
10°	845919
15°	645639
20°	493431
25°	382370
30°	260794
35°	153219
40°	46852
45°	18429
50°	278
55°	312
60°	358
65°	846
70°	1569
75°	1382
80°	1030
85°	6156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2913.2	17.6
10°-20°	5645.0	34.0
20°-30°	5082.3	30.6
30°-40°	2514.5	15.2
40°-50°	382.5	2.3
50°-60°	15.7	0.1
60°-70°	20.2	0.1
70°-80°	7.6	0.0
80°-90°	11.8	0.1
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°	13640.5	82.2
0°-40°	16155.1	97.4
0°-60°	16553.3	99.8
0°-90°	16592.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16592.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33356	
5°	32134	###
15°	20224	5645
25°	11238	5082
35°	4070	2515
45°	423	383
55°	6	16
65°	12	20
75°	12	8
85°	17	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	33356.0
1°	33286.5
2°	33303.7
3°	33135.8
4°	32829.1
5°	32134.3
6°	31601.6
7°	30756.3
8°	29621.5
9°	28440.2
10°	27015.8
11°	25742.1
12°	24375.8
13°	22864.5
14°	21561.8
15°	20224.2
16°	19083.6
17°	18076.3
18°	16837.2
19°	15928.0
20°	15036.6
21°	14110.0
22°	13432.7
23°	12645.2
24°	11921.4
25°	11238.2
26°	10433.4
27°	9709.8
28°	9061.2
29°	8349.0
30°	7324.3
31°	6745.4
32°	6015.7
33°	5216.7
34°	4608.8
35°	4070.2
37.5°	2576.4
40°	1163.9
42.5°	793.2
45°	422.6
47.5°	237.3
50°	5.8
52.5°	23.2
55°	5.8
57.5°	34.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.8
62.5°	29.0
65°	11.6
67.5°	29.0
70°	17.4
72.5°	5.8
75°	11.6
77.5°	0.0
80°	5.8
82.5°	23.2
85°	17.4
87.5°	0.0
90°	0.0

(END OF REPORT)