

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: P249958

Luminaire Tested: **LD8B200D010 ER8B200827 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200827 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17333.1 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

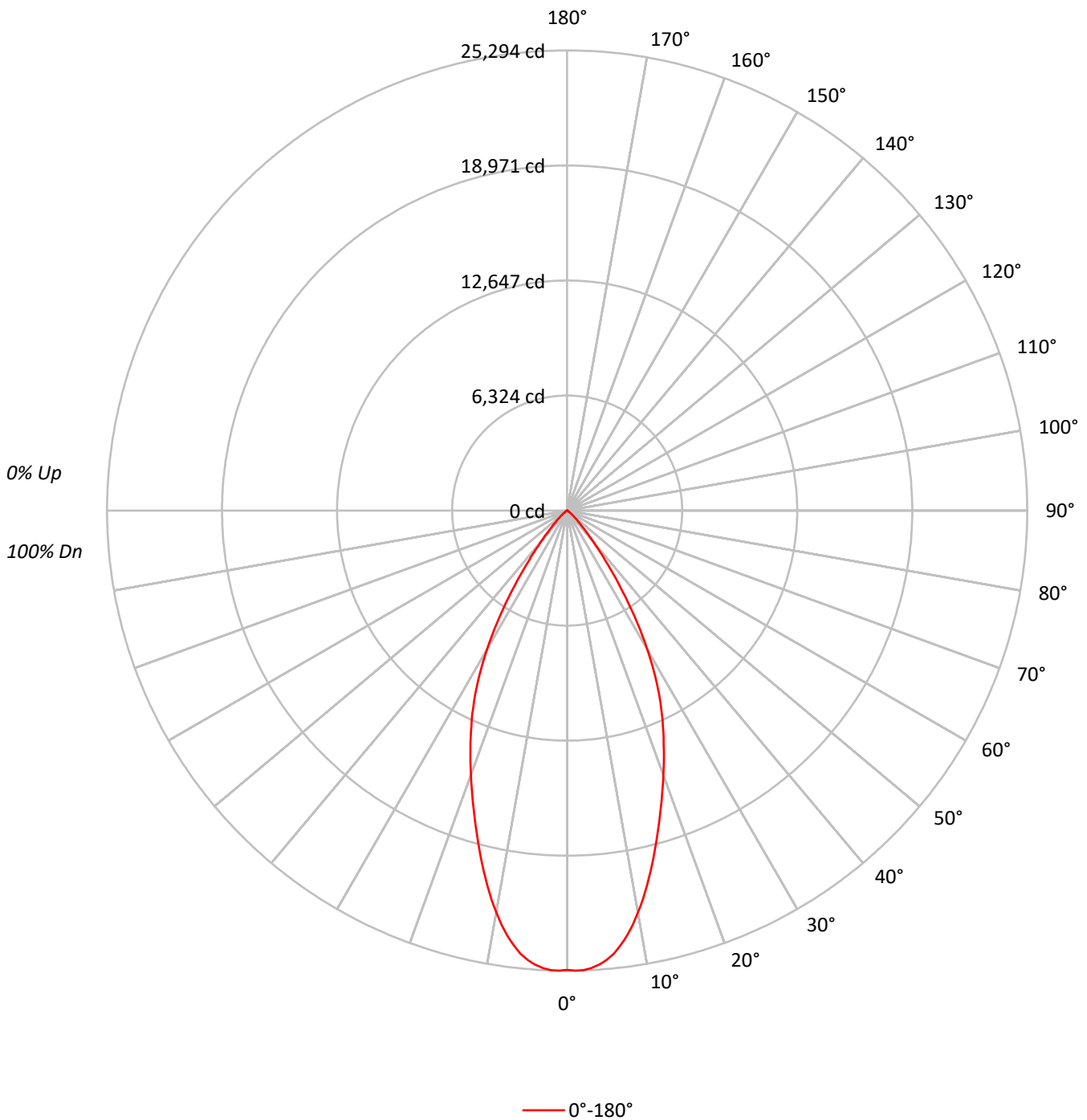
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	778491
5°	767646
10°	702288
15°	602973
20°	507765
25°	419527
30°	314681
35°	187573
40°	89368
45°	38934
50°	17654
55°	7779
60°	4459
65°	2649
70°	2732
75°	0
80°	1083
85°	4281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2291.4	13.2
10°-20°	5257.3	30.3
20°-30°	5585.2	32.2
30°-40°	3186.6	18.4
40°-50°	790.1	4.6
50°-60°	155.4	0.9
60°-70°	46.9	0.3
70°-80°	11.1	0.1
80°-90°	9.1	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°	13133.8	75.8
0°-40°	16320.5	94.2
0°-60°	17266.0	99.6
0°-90°	17333.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17333.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25246	
5°	24800	###
15°	18888	5257
25°	12330	5585
35°	4983	3187
45°	893	790
55°	145	155
65°	36	47
75°	0	11
85°	12	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25245.9
1°	25294.3
2°	25276.2
3°	25185.7
4°	25028.9
5°	24799.5
6°	24498.1
7°	24081.7
8°	23605.1
9°	23044.3
10°	22428.7
11°	21777.5
12°	21077.5
13°	20365.7
14°	19635.8
15°	18887.7
16°	18181.9
17°	17470.1
18°	16800.4
19°	16118.9
20°	15473.4
22.5°	13874.6
25°	12330.3
27.5°	10671.6
30°	8837.7
32.5°	6870.9
35°	4982.8
37.5°	3432.4
40°	2220.1
42.5°	1405.7
45°	892.8
47.5°	585.3
50°	368.0
52.5°	223.3
55°	144.7
57.5°	114.7
60°	72.3
62.5°	66.3
65°	36.3
67.5°	36.3
70°	30.3
72.5°	18.2
75°	0.0
77.5°	6.1
80°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	12.1
85°	12.1
87.5°	6.1
90°	0.0

(END OF REPORT)