

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: P248020

Luminaire Tested: **LD8B200D010 ER8B200827 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200827 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19174.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

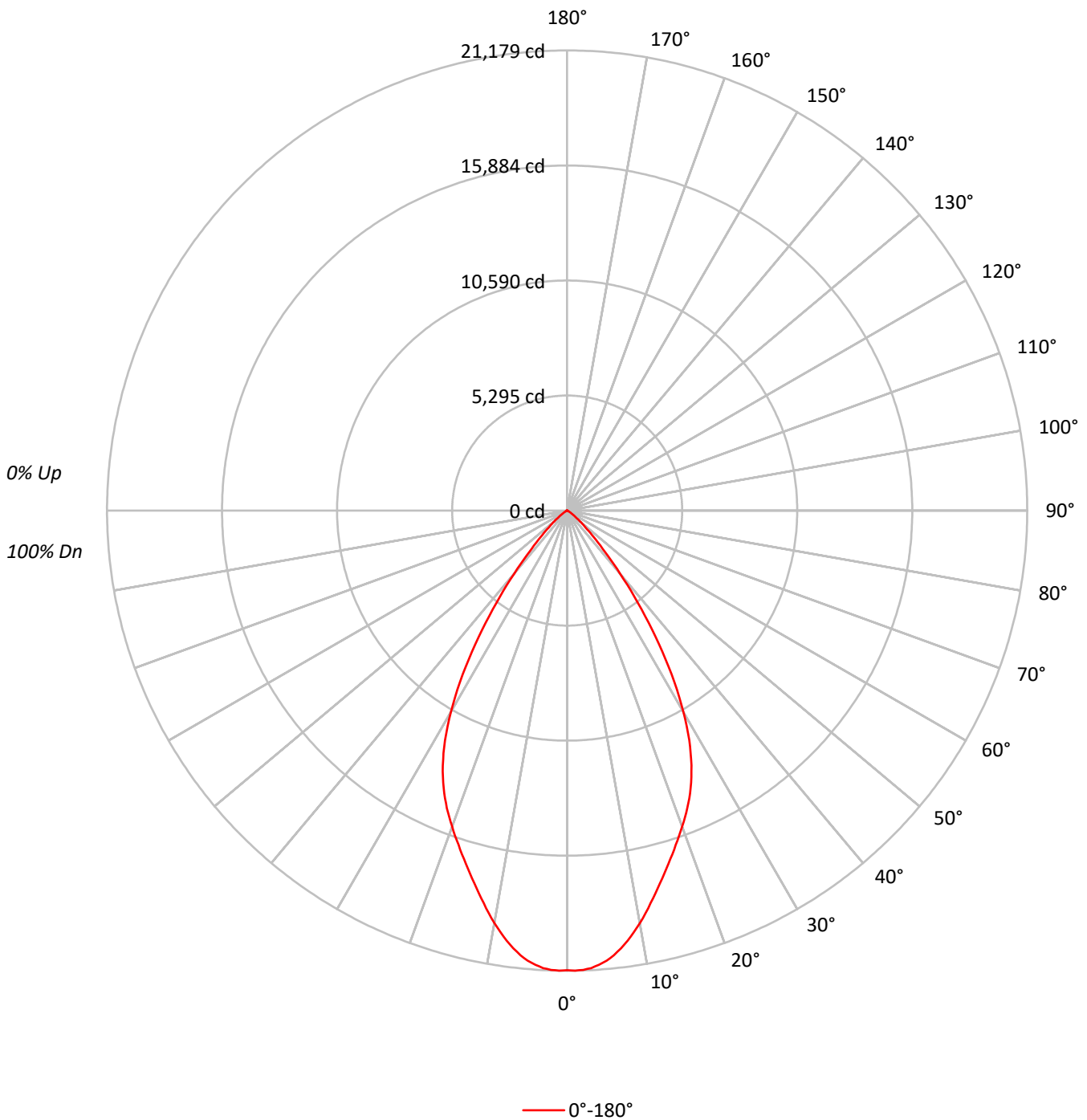
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	652188
5°	643793
10°	603527
15°	551904
20°	508080
25°	460397
30°	381234
35°	267375
40°	152160
45°	74624
50°	36829
55°	16698
60°	7950
65°	4276
70°	532
75°	703
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1935.5	10.1
10°-20°	4853.1	25.3
20°-30°	6126.3	32.0
30°-40°	4407.1	23.0
40°-50°	1458.6	7.6
50°-60°	317.7	1.7
60°-70°	65.5	0.3
70°-80°	7.0	0.0
80°-90°	3.2	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°	12914.9	67.4
0°-40°	17322.0	90.3
0°-60°	19098.3	99.6
0°-90°	19174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21150	
5°	20798	###
15°	17288	4853
25°	13532	6126
35°	7103	4407
45°	1711	1459
55°	311	318
65°	59	66
75°	6	7
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	21150.0
1°	21179.2
2°	21155.7
3°	21085.5
4°	20956.6
5°	20798.3
6°	20581.4
7°	20300.2
8°	19989.5
9°	19649.7
10°	19274.6
11°	18893.7
12°	18477.6
13°	18079.1
14°	17674.7
15°	17288.0
16°	16907.0
17°	16543.6
18°	16180.4
19°	15834.6
20°	15483.0
21°	15125.5
22°	14773.9
23°	14392.9
24°	13982.8
25°	13531.5
26°	13056.8
27°	12529.4
28°	11972.7
29°	11351.4
30°	10706.8
31°	10027.0
32°	9312.1
33°	8562.0
34°	7829.4
35°	7102.7
37.5°	5332.9
40°	3780.0
42.5°	2561.0
45°	1711.2
47.5°	1148.6
50°	767.7
52.5°	463.0
55°	310.6
57.5°	216.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	128.9
62.5°	87.9
65°	58.6
67.5°	52.8
70°	5.9
72.5°	11.8
75°	5.9
77.5°	5.9
80°	0.0
82.5°	11.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)