

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: P248041

Luminaire Tested: **LD8B200D010 ER8B200935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248041
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 ER8B200935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17430.0 lumens
Efficiency: N/A
Efficacy: 78.1 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

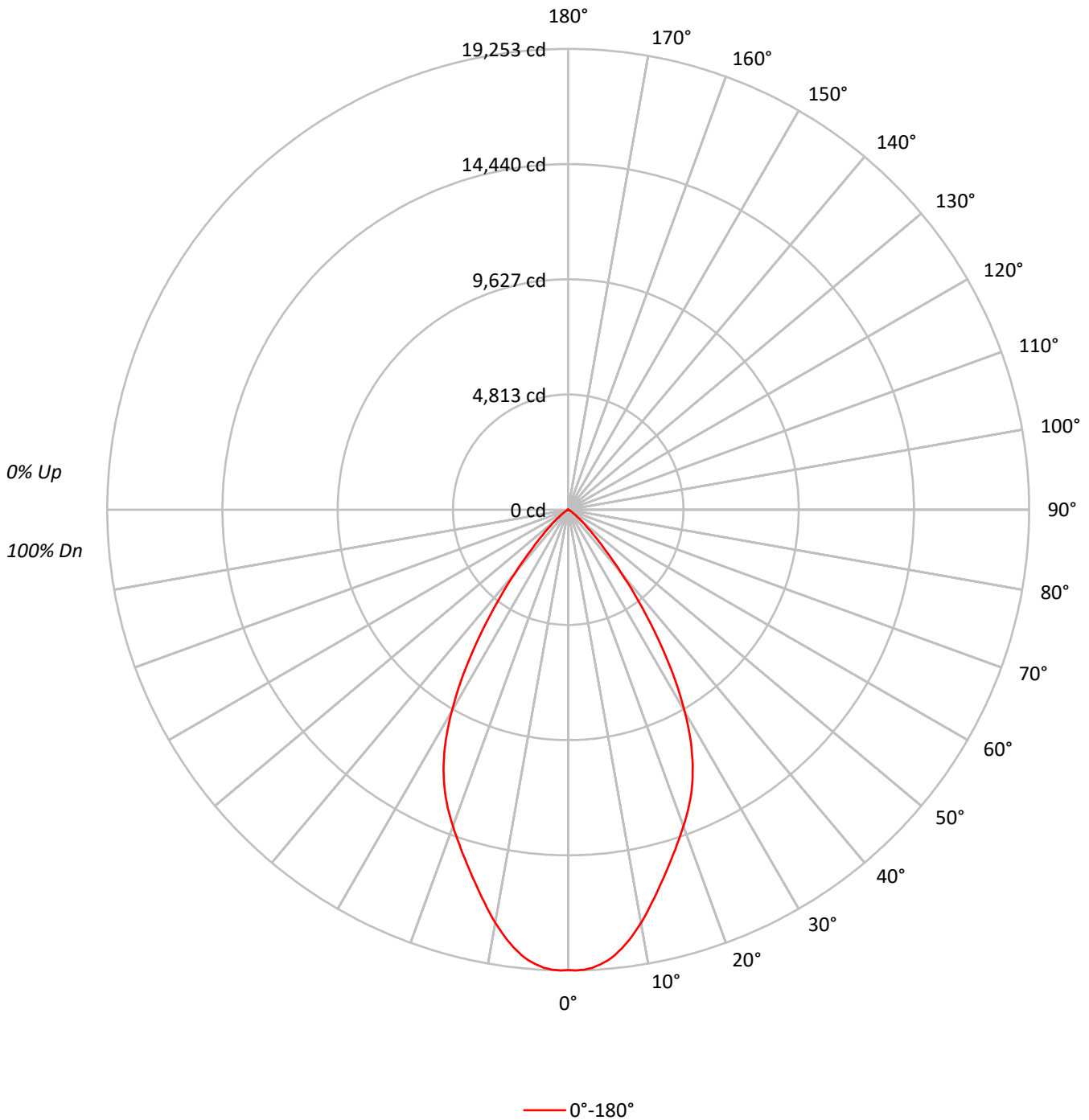
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	592868
5°	585234
10°	548630
15°	501703
20°	461866
25°	418524
30°	346560
35°	243053
40°	138321
45°	67838
50°	33480
55°	15177
60°	7228
65°	3889
70°	478
75°	631
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1759.4	10.1
10°-20°	4411.7	25.3
20°-30°	5569.1	32.0
30°-40°	4006.3	23.0
40°-50°	1326.0	7.6
50°-60°	288.8	1.7
60°-70°	59.6	0.3
70°-80°	6.3	0.0
80°-90°	2.9	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°	11740.2	67.4
0°-40°	15746.4	90.3
0°-60°	17361.2	99.6
0°-90°	17430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17430.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19226	
5°	18906	###
15°	15716	4412
25°	12301	5569
35°	6457	4006
45°	1556	1326
55°	282	289
65°	53	60
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19226.3
1°	19252.9
2°	19231.5
3°	19167.6
4°	19050.4
5°	18906.5
6°	18709.4
7°	18453.8
8°	18171.3
9°	17862.4
10°	17521.4
11°	17175.2
12°	16796.9
13°	16434.7
14°	16067.1
15°	15715.5
16°	15369.2
17°	15038.9
18°	14708.7
19°	14394.3
20°	14074.7
21°	13749.7
22°	13430.1
23°	13083.8
24°	12711.0
25°	12300.8
26°	11869.2
27°	11389.7
28°	10883.7
29°	10318.9
30°	9733.0
31°	9115.0
32°	8465.1
33°	7783.2
34°	7117.3
35°	6456.6
37.5°	4847.9
40°	3436.2
42.5°	2328.1
45°	1555.6
47.5°	1044.1
50°	697.9
52.5°	420.9
55°	282.3
57.5°	197.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	117.2
62.5°	79.9
65°	53.3
67.5°	48.0
70°	5.3
72.5°	10.7
75°	5.3
77.5°	5.3
80°	0.0
82.5°	10.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)