

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: P248029

Luminaire Tested: **LD8B200D010 ER8B200840 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248029
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 ER8B200840 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20304.9 lumens
Efficiency: N/A
Efficacy: 90.9 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

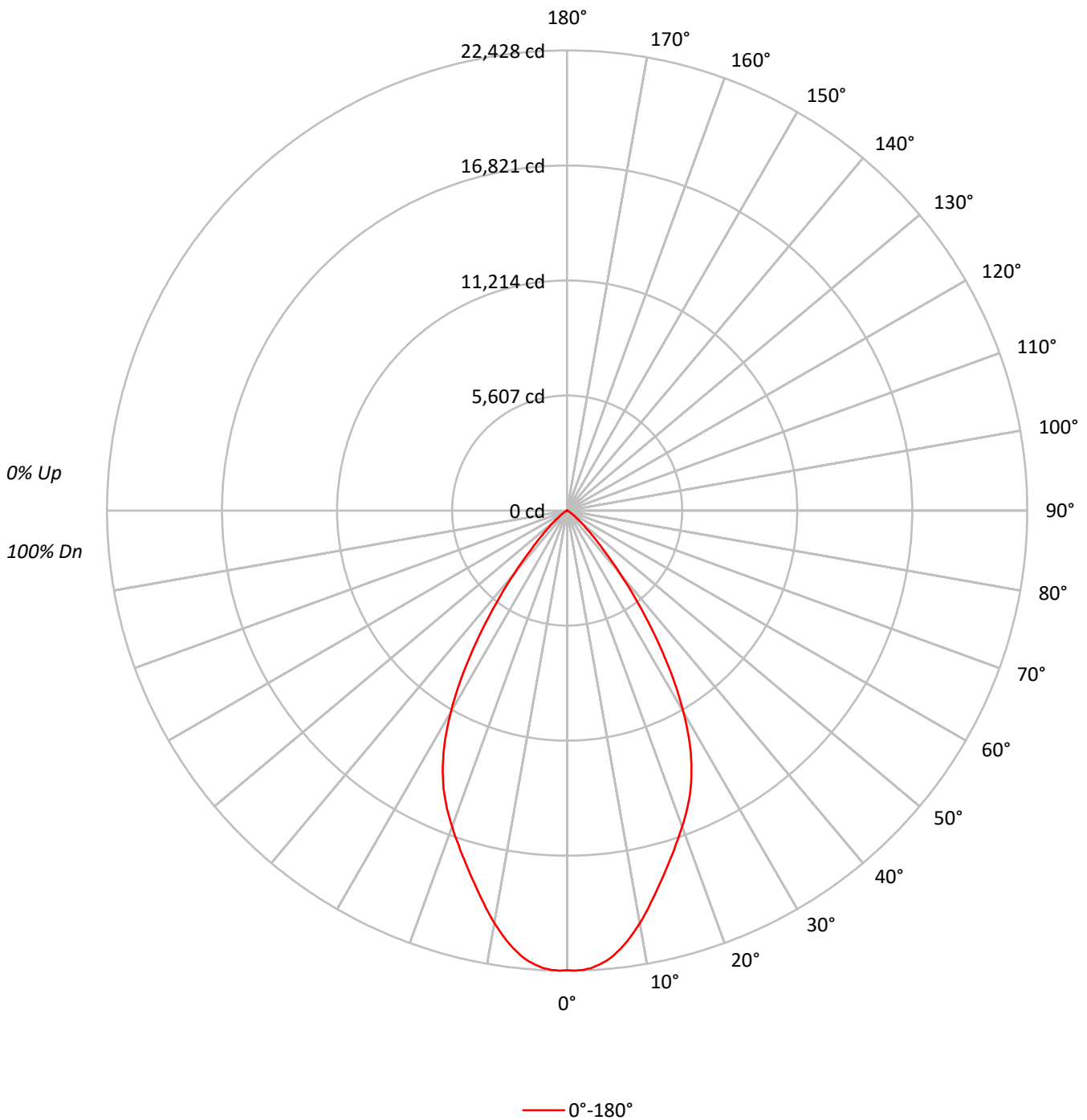
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	690656
5°	681767
10°	639125
15°	584457
20°	538050
25°	487555
30°	403723
35°	283145
40°	161133
45°	79028
50°	39002
55°	17682
60°	8418
65°	4531
70°	559
75°	739
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2049.6	10.1
10°-20°	5139.3	25.3
20°-30°	6487.7	32.0
30°-40°	4667.1	23.0
40°-50°	1544.7	7.6
50°-60°	336.4	1.7
60°-70°	69.4	0.3
70°-80°	7.3	0.0
80°-90°	3.4	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°	13676.7	67.4
0°-40°	18343.7	90.3
0°-60°	20224.8	99.6
0°-90°	20304.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20304.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22398	
5°	22025	###
15°	18308	5139
25°	14330	6488
35°	7522	4667
45°	1812	1545
55°	329	336
65°	62	69
75°	6	7
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22397.5
1°	22428.5
2°	22403.6
3°	22329.2
4°	22192.7
5°	22025.1
6°	21795.5
7°	21497.7
8°	21168.6
9°	20808.7
10°	20411.5
11°	20008.2
12°	19567.5
13°	19145.5
14°	18717.3
15°	18307.7
16°	17904.3
17°	17519.5
18°	17134.9
19°	16768.6
20°	16396.3
21°	16017.7
22°	15645.3
23°	15241.9
24°	14807.6
25°	14329.7
26°	13826.9
27°	13268.4
28°	12678.9
29°	12021.0
30°	11338.4
31°	10618.5
32°	9861.3
33°	9067.0
34°	8291.2
35°	7521.6
37.5°	5647.5
40°	4002.9
42.5°	2712.1
45°	1812.2
47.5°	1216.3
50°	813.0
52.5°	490.3
55°	328.9
57.5°	229.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	136.5
62.5°	93.1
65°	62.1
67.5°	55.9
70°	6.2
72.5°	12.4
75°	6.2
77.5°	6.2
80°	0.0
82.5°	12.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)