

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: P248025

Luminaire Tested: **LD8B175D010 ER8B175835 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248025
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: LD8B175D010 ER8B175835 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17339.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

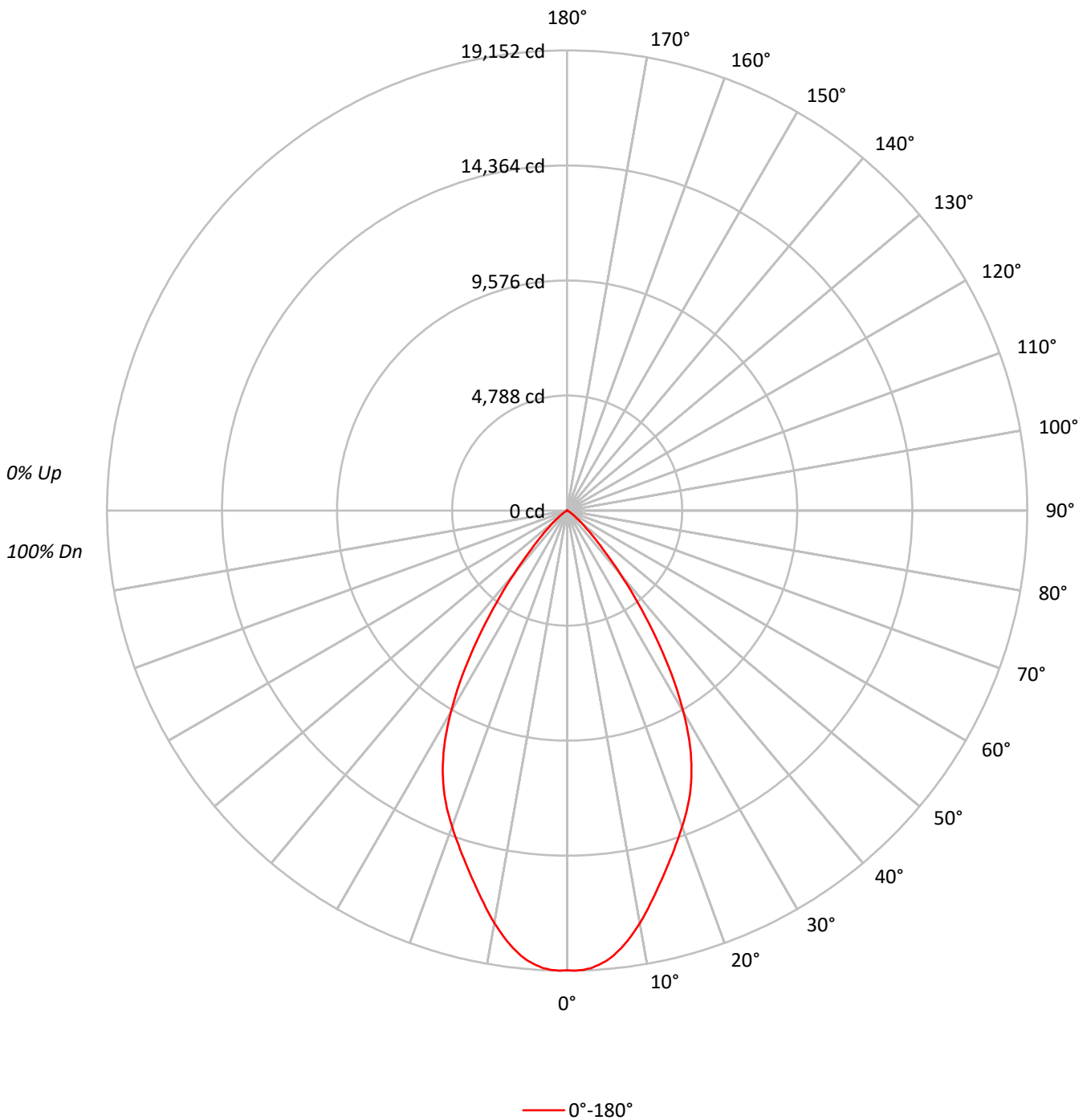
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	589772
5°	582179
10°	545765
15°	499085
20°	459454
25°	416336
30°	344751
35°	241785
40°	137596
45°	67485
50°	33308
55°	15102
60°	7191
65°	3867
70°	478
75°	631
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1750.2	10.1
10°-20°	4388.6	25.3
20°-30°	5540.0	32.0
30°-40°	3985.3	23.0
40°-50°	1319.1	7.6
50°-60°	287.3	1.7
60°-70°	59.3	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°	11678.9	67.4
0°-40°	15664.2	90.3
0°-60°	17270.6	99.6
0°-90°	17339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17339.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19126	
5°	18808	###
15°	15634	4389
25°	12236	5540
35°	6423	3985
45°	1548	1319
55°	281	287
65°	53	59
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19125.9
1°	19152.3
2°	19131.1
3°	19067.5
4°	18951.0
5°	18807.8
6°	18611.7
7°	18357.5
8°	18076.5
9°	17769.2
10°	17429.9
11°	17085.5
12°	16709.2
13°	16348.9
14°	15983.2
15°	15633.5
16°	15289.0
17°	14960.4
18°	14631.9
19°	14319.2
20°	14001.2
21°	13677.9
22°	13360.0
23°	13015.5
24°	12644.6
25°	12236.5
26°	11807.2
27°	11330.3
28°	10826.9
29°	10265.0
30°	9682.2
31°	9067.4
32°	8420.9
33°	7742.6
34°	7080.1
35°	6422.9
37.5°	4822.5
40°	3418.2
42.5°	2315.9
45°	1547.5
47.5°	1038.7
50°	694.3
52.5°	418.7
55°	280.9
57.5°	196.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	116.6
62.5°	79.5
65°	53.0
67.5°	47.7
70°	5.3
72.5°	10.6
75°	5.3
77.5°	5.3
80°	0.0
82.5°	10.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)