

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: P248049

Luminaire Tested: **LD8B175D010 ER8B175927 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248049
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 ER8B175927 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13582.1 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

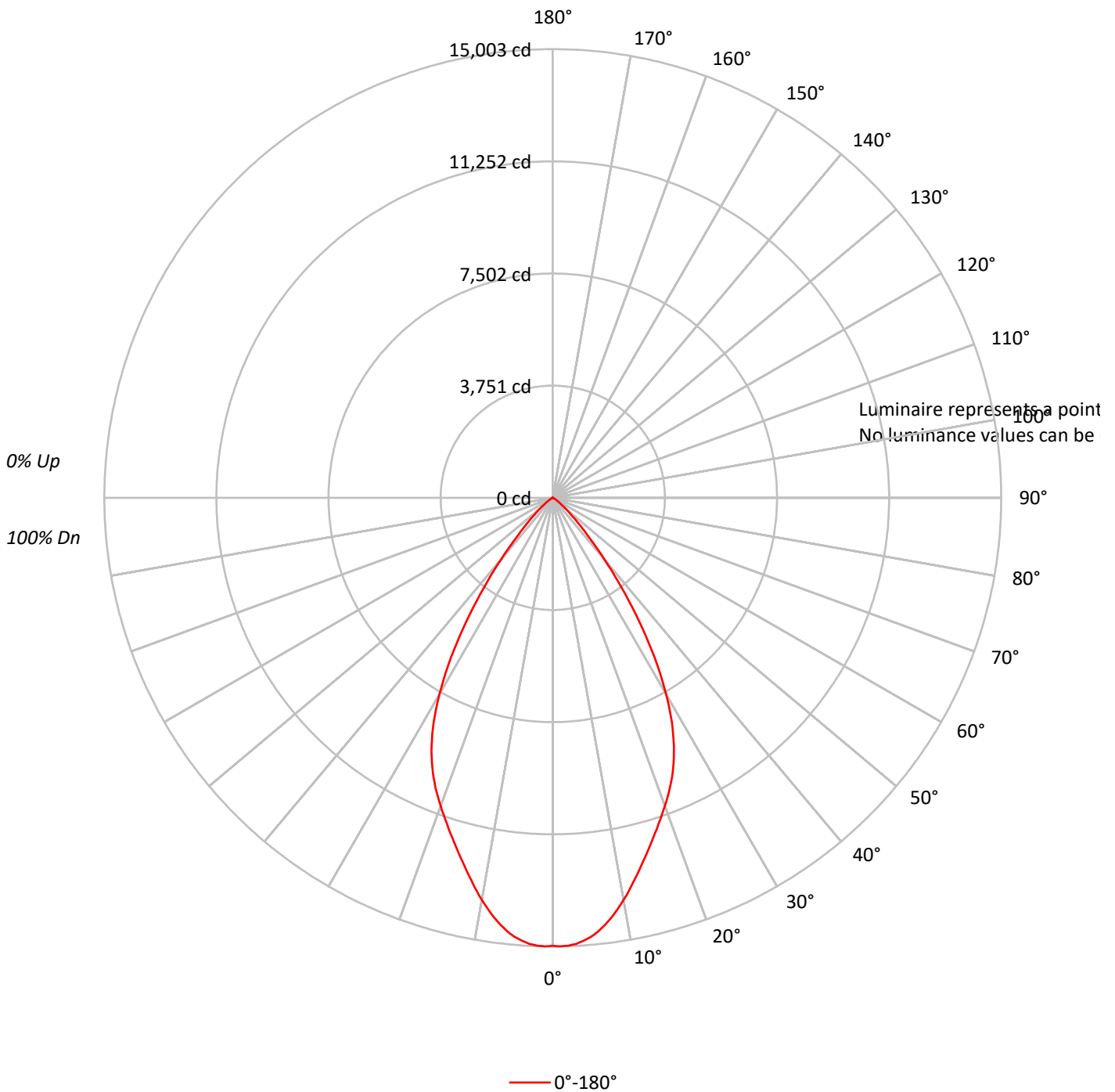
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1371.0	10.1
10°-20°	3437.7	25.3
20°-30°	4339.7	32.0
30°-40°	3121.8	23.0
40°-50°	1033.2	7.6
50°-60°	225.0	1.7
60°-70°	46.4	0.3
70°-80°	5.0	0.0
80°-90°	2.3	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°	9148.4	67.4
0°-40°	12270.2	90.3
0°-60°	13528.5	99.6
0°-90°	13582.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13582.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14982	
5°	14733	###
15°	12246	3438
25°	9585	4340
35°	5031	3122
45°	1212	1033
55°	220	225
65°	42	46
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14981.8
1°	15002.6
2°	14985.9
3°	14936.2
4°	14844.8
5°	14732.7
6°	14579.1
7°	14379.9
8°	14159.8
9°	13919.1
10°	13653.3
11°	13383.6
12°	13088.8
13°	12806.6
14°	12520.1
15°	12246.2
16°	11976.3
17°	11718.9
18°	11461.6
19°	11216.6
20°	10967.5
21°	10714.3
22°	10465.3
23°	10195.4
24°	9904.8
25°	9585.2
26°	9249.0
27°	8875.4
28°	8481.0
29°	8040.9
30°	7584.3
31°	7102.8
32°	6596.3
33°	6065.0
34°	5546.0
35°	5031.2
37.5°	3777.6
40°	2677.6
42.5°	1814.1
45°	1212.2
47.5°	813.6
50°	543.8
52.5°	327.9
55°	220.0
57.5°	153.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	91.4
62.5°	62.2
65°	41.5
67.5°	37.4
70°	4.2
72.5°	8.3
75°	4.2
77.5°	4.2
80°	0.0
82.5°	8.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)