

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: P250699

Luminaire Tested: **LD8B175D010 ER8B175927 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175927 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12855.3 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

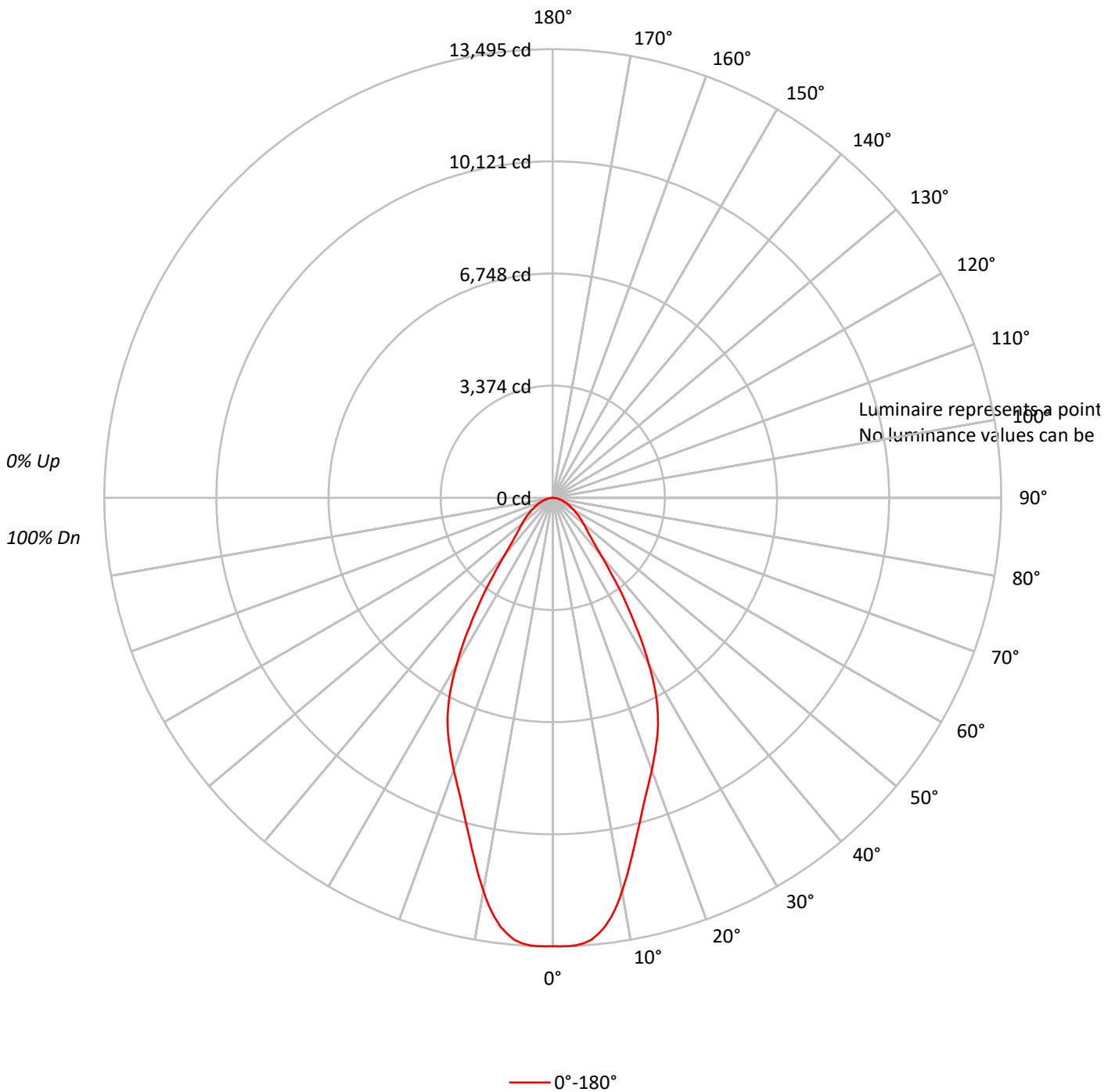
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1231.2	9.6
10°-20°	2840.8	22.1
20°-30°	3385.8	26.3
30°-40°	2389.9	18.6
40°-50°	1234.2	9.6
50°-60°	847.0	6.6
60°-70°	550.6	4.3
70°-80°	288.3	2.2
80°-90°	87.6	0.7
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°	7457.7	58.0
0°-40°	9847.7	76.6
0°-60°	11928.8	92.8
0°-90°	12855.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12855.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13487	
5°	13339	###
15°	10103	2841
25°	7494	3386
35°	3798	2390
45°	1542	1234
55°	939	847
65°	554	551
75°	267	288
85°	74	88
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13487.1
1°	13495.3
2°	13495.3
3°	13474.7
4°	13429.6
5°	13339.2
6°	13179.4
7°	12982.5
8°	12711.7
9°	12383.7
10°	12014.4
11°	11624.7
12°	11218.5
13°	10829.0
14°	10451.6
15°	10103.1
16°	9778.9
17°	9479.5
18°	9208.7
19°	8954.3
20°	8708.3
21°	8466.3
22°	8228.4
23°	7990.5
24°	7748.6
25°	7494.2
26°	7207.0
27°	6895.1
28°	6554.8
29°	6193.9
30°	5783.6
31°	5385.8
32°	4979.6
33°	4561.2
34°	4175.7
35°	3798.4
37.5°	2924.7
40°	2252.0
42.5°	1813.0
45°	1542.3
47.5°	1349.4
50°	1197.8
52.5°	1066.5
55°	939.4
57.5°	824.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	730.1
62.5°	635.8
65°	553.7
67.5°	479.9
70°	385.7
72.5°	332.3
75°	266.6
77.5°	217.4
80°	168.1
82.5°	123.1
85°	73.9
87.5°	40.9
90°	0.0

(END OF REPORT)