

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: P249950

Luminaire Tested: **LD8B175D010 ER8B175930 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175930 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14698.6 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

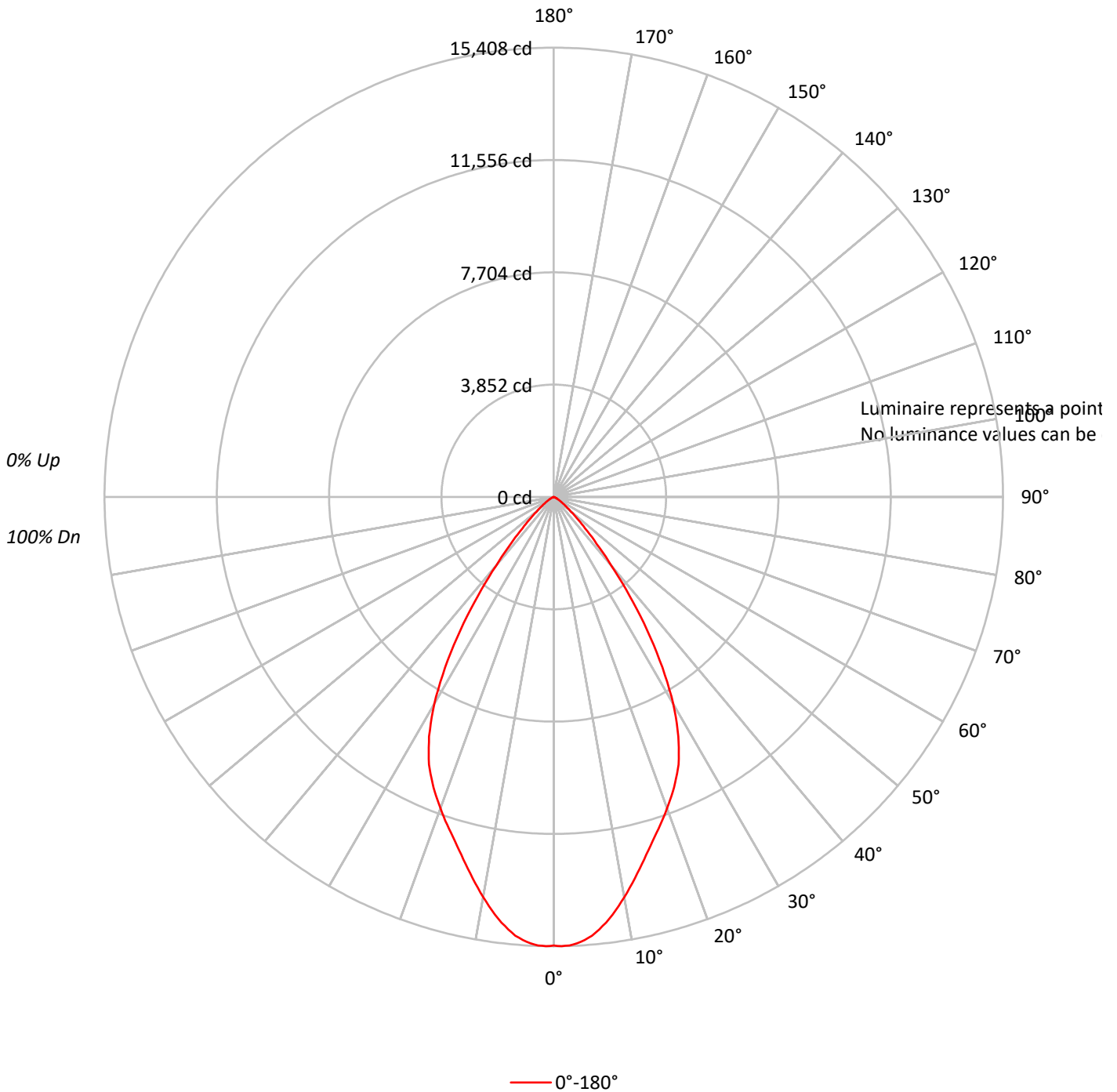
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249950

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBM0H

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	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1402.6	9.5
10°-20°	3528.9	24.0
20°-30°	4581.2	31.2
30°-40°	3457.8	23.5
40°-50°	1265.2	8.6
50°-60°	353.7	2.4
60°-70°	93.0	0.6
70°-80°	15.7	0.1
80°-90°	0.6	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°	9512.6	64.7
0°-40°	12970.4	88.2
0°-60°	14589.3	99.3
0°-90°	14698.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14698.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15385	
5°	15100	###
15°	12542	3529
25°	10127	4581
35°	5584	3458
45°	1517	1265
55°	362	354
65°	87	93
75°	14	16
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15384.7
1°	15407.6
2°	15389.2
3°	15329.7
4°	15228.8
5°	15100.4
6°	14912.6
7°	14706.2
8°	14467.9
9°	14206.5
10°	13931.5
11°	13656.5
12°	13372.2
13°	13083.4
14°	12808.3
15°	12542.4
16°	12290.3
17°	12047.4
18°	11827.3
19°	11598.1
20°	11364.2
22.5°	10782.1
25°	10126.6
27.5°	9260.1
30°	8205.7
32.5°	6936.0
35°	5583.6
37.5°	4263.4
40°	3076.0
42.5°	2177.5
45°	1517.4
47.5°	1068.1
50°	719.7
52.5°	527.2
55°	362.2
57.5°	261.3
60°	174.2
62.5°	128.4
65°	87.1
67.5°	59.6
70°	32.1
72.5°	22.9
75°	13.8
77.5°	4.6
80°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)