

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: P249922

Luminaire Tested: **LD8B175D010 ER8B175935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249922
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 ER8B175935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15179.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

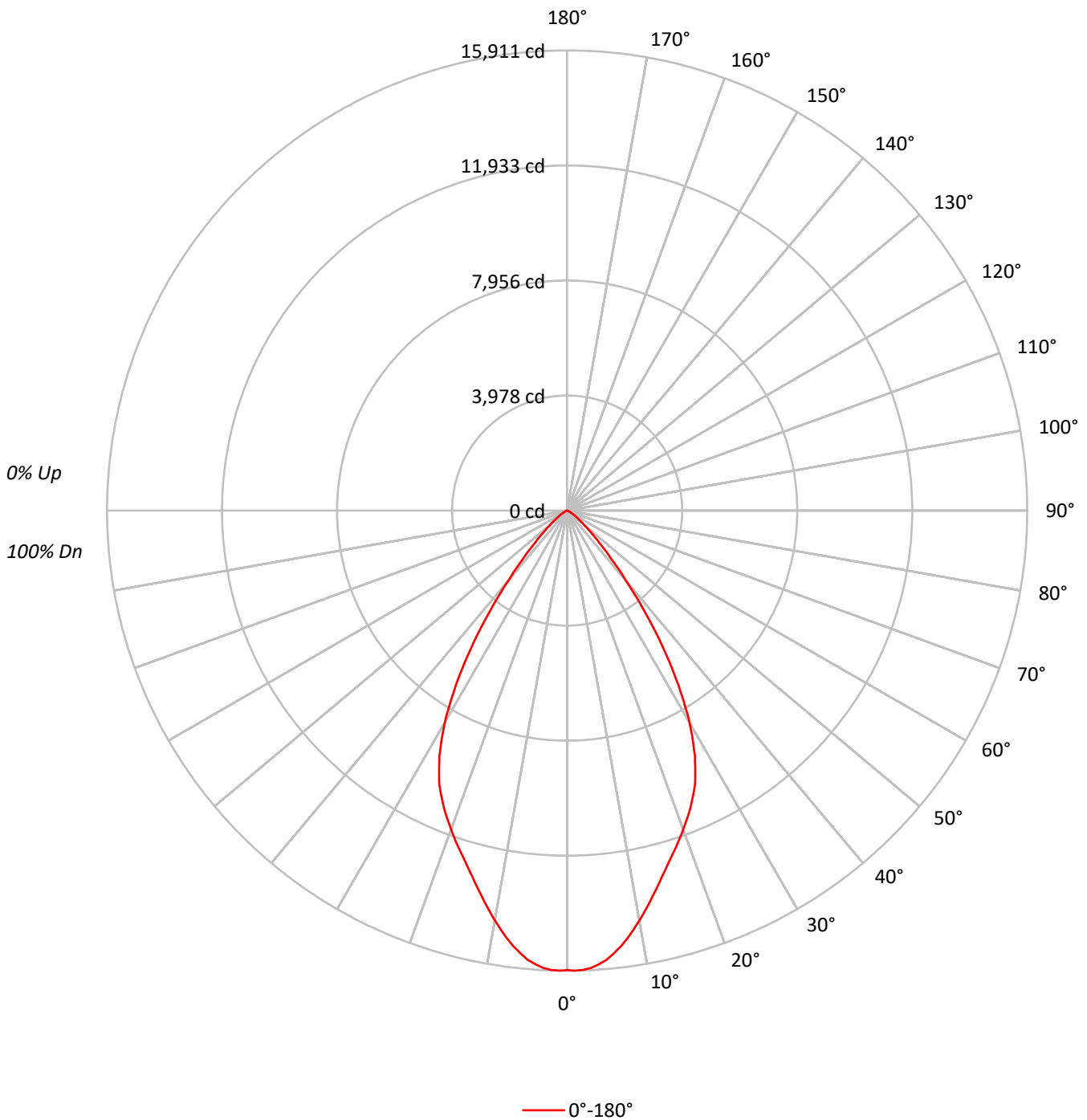
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	489912
5°	482698
10°	450480
15°	413494
20°	385114
25°	355811
30°	301731
35°	217060
40°	127871
45°	68336
50°	35653
55°	20107
60°	11095
65°	6560
70°	2984
75°	1692
80°	835
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1448.4	9.5
10°-20°	3644.2	24.0
20°-30°	4730.9	31.2
30°-40°	3570.8	23.5
40°-50°	1306.6	8.6
50°-60°	365.2	2.4
60°-70°	96.0	0.6
70°-80°	16.1	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°	9823.5	64.7
0°-40°	13394.4	88.2
0°-60°	15066.2	99.3
0°-90°	15179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15888	
5°	15594	###
15°	12952	3644
25°	10458	4731
35°	5766	3571
45°	1567	1307
55°	374	365
65°	90	96
75°	14	16
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15887.5
1°	15911.2
2°	15892.3
3°	15830.7
4°	15726.6
5°	15594.0
6°	15399.9
7°	15186.9
8°	14940.7
9°	14670.9
10°	14386.8
11°	14102.8
12°	13809.3
13°	13511.0
14°	13227.0
15°	12952.4
16°	12692.0
17°	12441.1
18°	12213.9
19°	11977.2
20°	11735.8
22.5°	11134.5
25°	10457.6
27.5°	9562.8
30°	8474.0
32.5°	7162.7
35°	5766.1
37.5°	4402.7
40°	3176.6
42.5°	2248.7
45°	1567.0
47.5°	1103.0
50°	743.2
52.5°	544.4
55°	374.0
57.5°	269.8
60°	179.9
62.5°	132.6
65°	89.9
67.5°	61.5
70°	33.1
72.5°	23.7
75°	14.2
77.5°	4.7
80°	4.7



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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)