

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: P249936

Luminaire Tested: **LD8B175D010 ER8B175950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249936
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 ER8B175950 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16414.0 lumens
Efficiency: N/A
Efficacy: 92.6 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

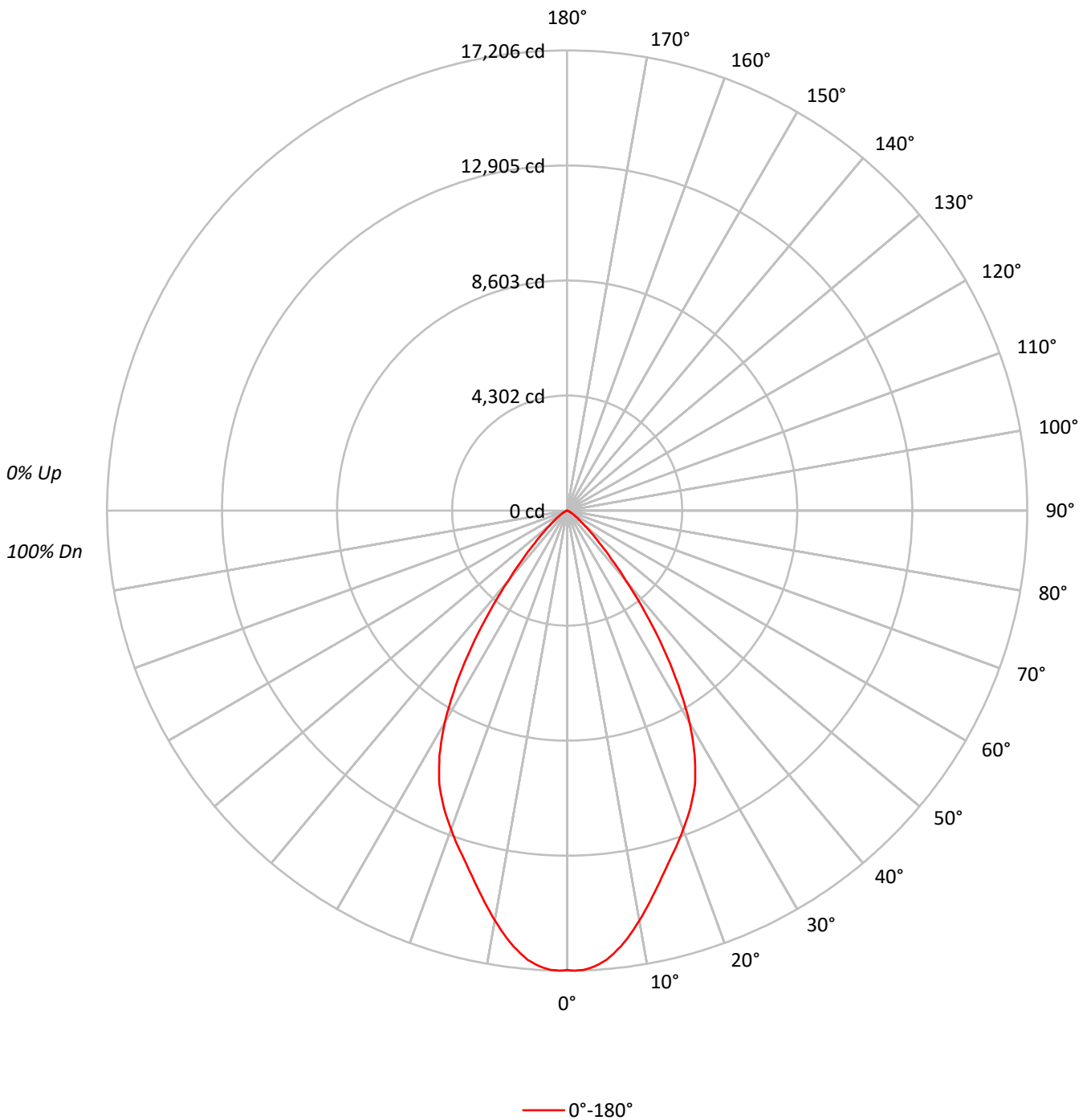
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	529774
5°	521973
10°	487134
15°	447139
20°	416446
25°	384758
30°	326282
35°	234719
40°	138272
45°	73896
50°	38556
55°	21741
60°	11995
65°	7099
70°	3228
75°	1835
80°	906
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1566.2	9.5
10°-20°	3940.7	24.0
20°-30°	5115.9	31.2
30°-40°	3861.3	23.5
40°-50°	1412.9	8.6
50°-60°	394.9	2.4
60°-70°	103.8	0.6
70°-80°	17.5	0.1
80°-90°	0.7	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°	10622.8	64.7
0°-40°	14484.2	88.2
0°-60°	16292.0	99.3
0°-90°	16414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16414.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17180	
5°	16863	###
15°	14006	3941
25°	11308	5116
35°	6235	3861
45°	1694	1413
55°	404	395
65°	97	104
75°	15	17
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17180.2
1°	17205.8
2°	17185.3
3°	17118.8
4°	17006.1
5°	16862.8
6°	16652.9
7°	16422.5
8°	16156.3
9°	15864.5
10°	15557.4
11°	15250.2
12°	14932.8
13°	14610.3
14°	14303.2
15°	14006.3
16°	13724.7
17°	13453.4
18°	13207.7
19°	12951.7
20°	12690.6
22.5°	12040.5
25°	11308.4
27.5°	10340.9
30°	9163.5
32.5°	7745.4
35°	6235.2
37.5°	4760.9
40°	3435.0
42.5°	2431.6
45°	1694.5
47.5°	1192.8
50°	803.7
52.5°	588.7
55°	404.4
57.5°	291.8
60°	194.5
62.5°	143.3
65°	97.3
67.5°	66.6
70°	35.8
72.5°	25.6
75°	15.4
77.5°	5.1
80°	5.1



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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)