

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: P250363

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759727 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10000.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

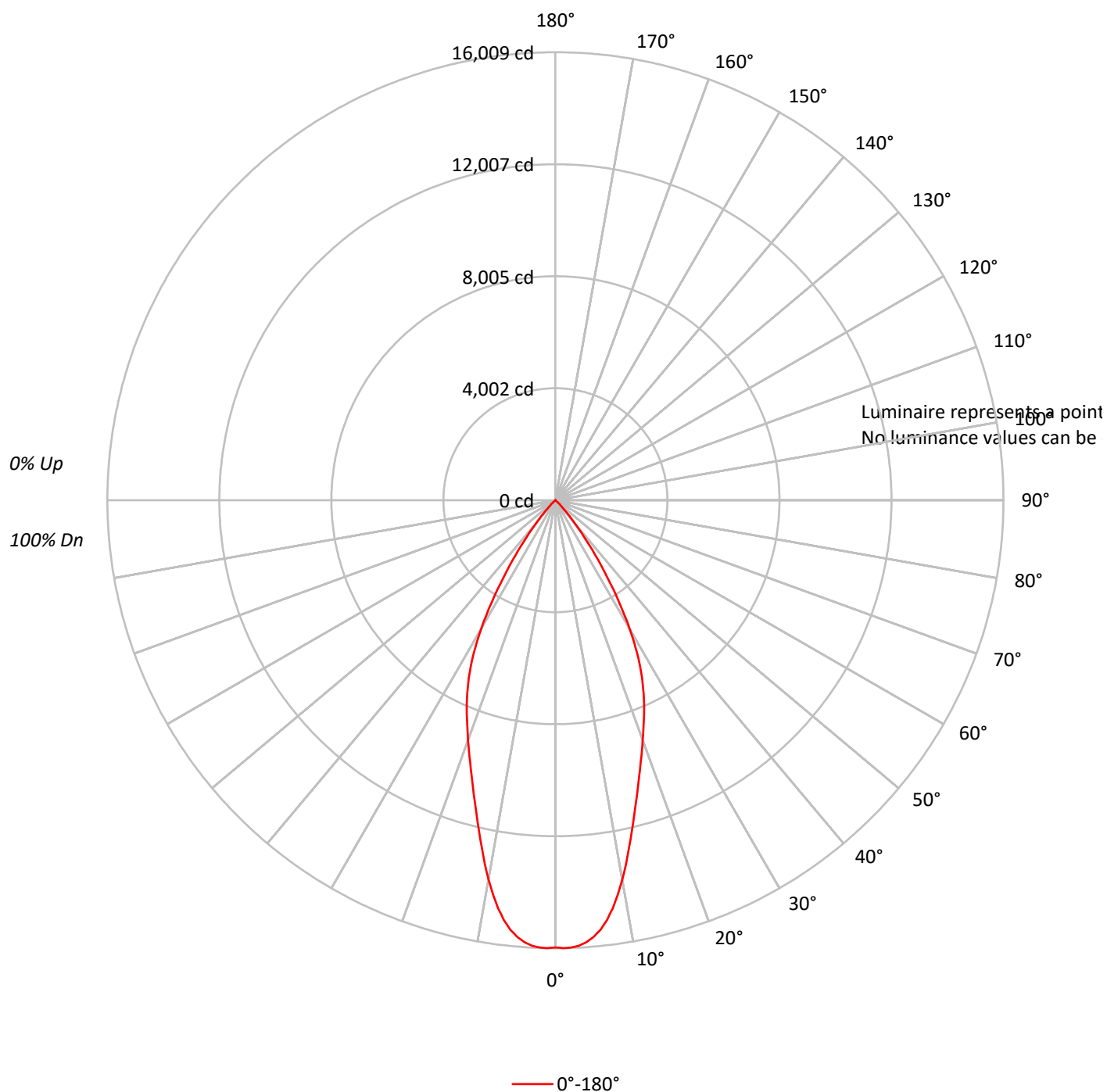
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		74
6	90	82	77	73	89	81	76	72	80	75	72		79	75	71		70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		66
8	83	74	68	64	81	73	68	64	72	67	64		71	67	64		62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		56

AVERAGE LUMINANCE (cd/sqm):

0°	
5°	
10°	
15°	
20°	
25°	
30°	
35°	
40°	
45°	
50°	
55°	
60°	
65°	
70°	
75°	
80°	
85°	



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1434.4	14.3
10°-20°	3117.7	31.2
20°-30°	3347.0	33.5
30°-40°	1809.0	18.1
40°-50°	282.2	2.8
50°-60°	7.7	0.1
60°-70°	1.9	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	7899.1	79.0
0°-40°	9708.1	97.1
0°-60°	9998.1	100.0
0°-90°	10000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15979	
5°	15664	###
15°	11132	3118
25°	7419	3347
35°	2842	1809
45°	260	282
55°	0	8
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15979.0
1°	16009.3
2°	15994.3
3°	15939.5
4°	15834.3
5°	15663.9
6°	15429.2
7°	15113.6
8°	14718.4
9°	14263.6
10°	13757.9
11°	13227.5
12°	12677.2
13°	12127.4
14°	11616.6
15°	11131.5
16°	10686.1
17°	10255.8
18°	9855.6
19°	9480.8
20°	9120.3
21°	8770.0
22°	8439.6
23°	8109.9
24°	7764.7
25°	7419.2
26°	7068.9
27°	6668.9
28°	6228.4
29°	5778.7
30°	5308.2
31°	4803.0
32°	4297.2
33°	3797.1
34°	3291.9
35°	2841.5
37.5°	1816.0
40°	1050.7
42.5°	560.5
45°	260.4
47.5°	140.4
50°	45.3
52.5°	5.1
55°	0.0
57.5°	5.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.1
62.5°	0.0
65°	0.0
67.5°	5.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)