

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: P250342

Luminaire Tested: **LD8B175D010 ER8B175935 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250342
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 ER8B175935 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12248.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

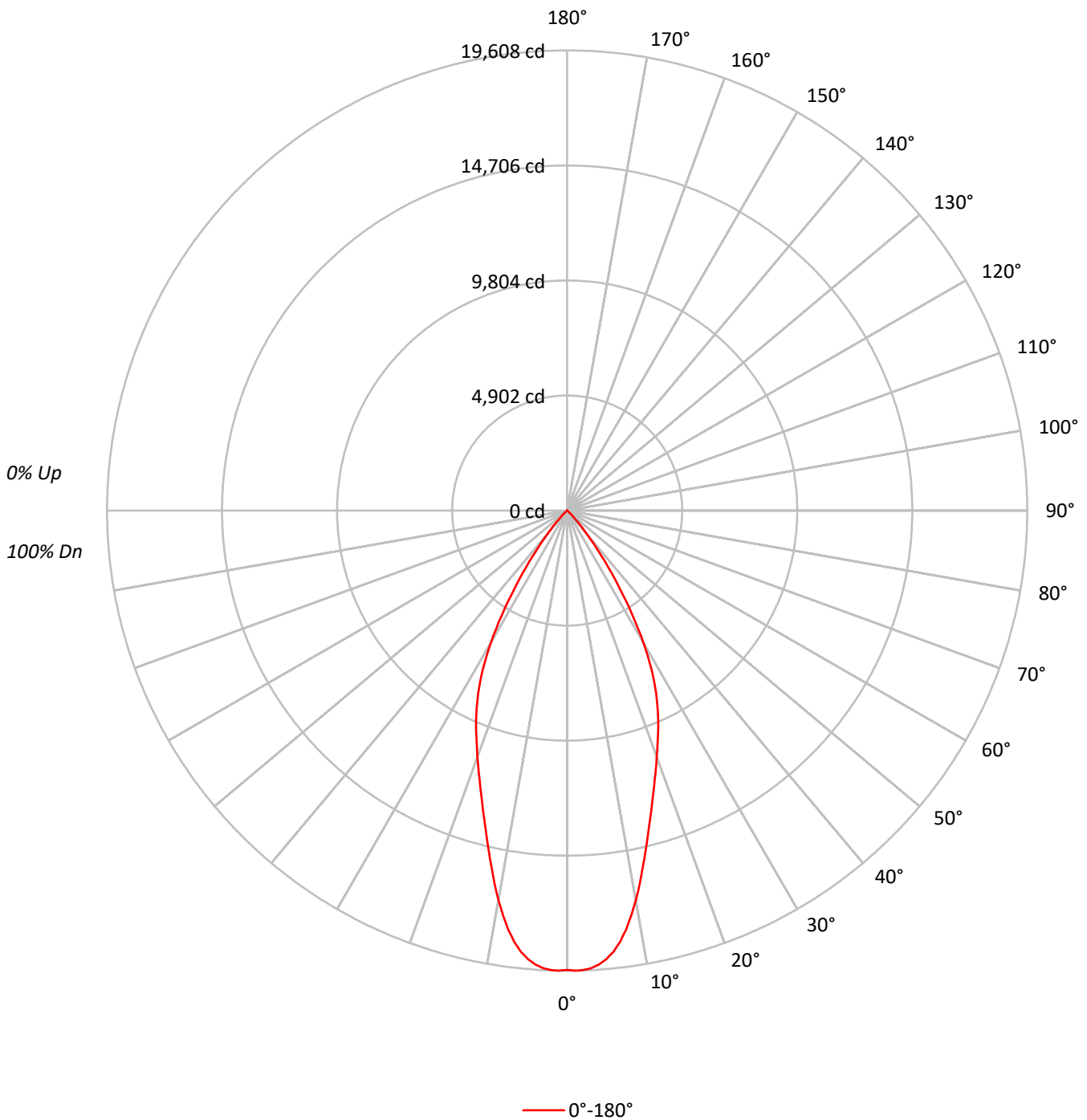
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	603501
5°	593858
10°	527629
15°	435247
20°	366567
25°	309177
30°	231493
35°	131009
40°	51803
45°	13907
50°	2662
55°	0
60°	382
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1756.9	14.3
10°-20°	3818.5	31.2
20°-30°	4099.5	33.5
30°-40°	2215.7	18.1
40°-50°	345.7	2.8
50°-60°	9.4	0.1
60°-70°	2.3	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°	9674.9	79.0
0°-40°	11890.5	97.1
0°-60°	12245.6	100.0
0°-90°	12248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19571	
5°	19185	###
15°	13634	3819
25°	9087	4099
35°	3480	2216
45°	319	346
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19571.1
1°	19608.2
2°	19589.8
3°	19522.7
4°	19393.9
5°	19185.1
6°	18897.7
7°	18511.1
8°	18027.1
9°	17470.1
10°	16850.7
11°	16201.0
12°	15527.0
13°	14853.6
14°	14228.0
15°	13633.8
16°	13088.4
17°	12561.3
18°	12071.1
19°	11612.1
20°	11170.6
21°	10741.5
22°	10336.8
23°	9933.0
24°	9510.2
25°	9087.0
26°	8658.0
27°	8168.1
28°	7628.5
29°	7077.8
30°	6501.4
31°	5882.7
32°	5263.2
33°	4650.7
34°	4031.9
35°	3480.2
37.5°	2224.3
40°	1286.9
42.5°	686.5
45°	318.9
47.5°	171.9
50°	55.5
52.5°	6.2
55°	0.0
57.5°	6.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.2
62.5°	0.0
65°	0.0
67.5°	6.2
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)