

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: P250349

Luminaire Tested: **LD8B175D010 ER8B175940 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250349
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 ER8B175940 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12792.0 lumens
Efficiency: N/A
Efficacy: 72.2 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

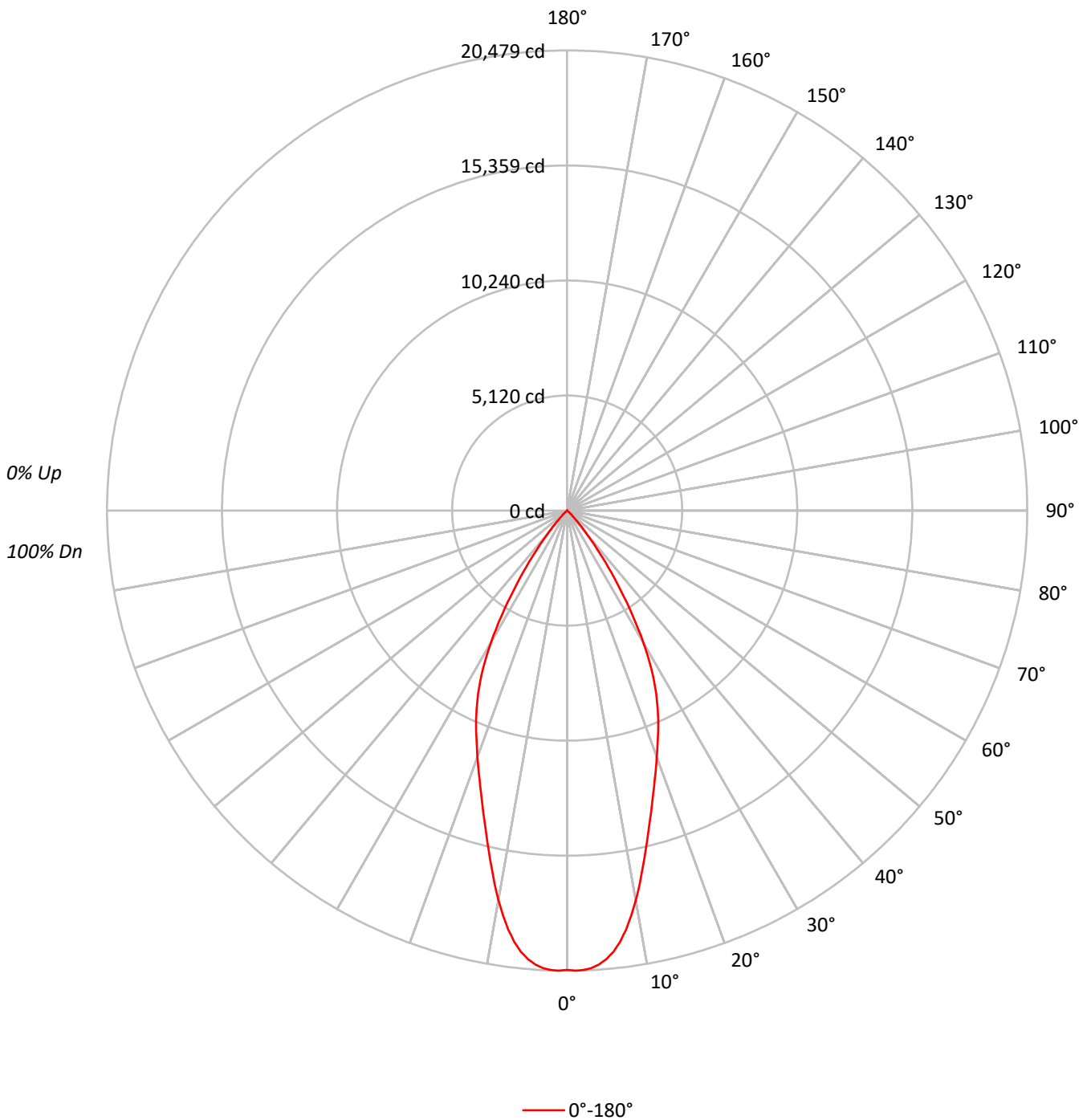
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	630307
5°	620234
10°	551063
15°	454580
20°	382846
25°	322909
30°	241777
35°	136829
40°	54101
45°	14526
50°	2782
55°	0
60°	401
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1834.9	14.3
10°-20°	3988.1	31.2
20°-30°	4281.5	33.5
30°-40°	2314.1	18.1
40°-50°	361.0	2.8
50°-60°	9.9	0.1
60°-70°	2.4	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°	10104.6	79.0
0°-40°	12418.6	97.1
0°-60°	12789.6	100.0
0°-90°	12792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12792.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20440	
5°	20037	###
15°	14239	3988
25°	9491	4282
35°	3635	2314
45°	333	361
55°	0	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20440.4
1°	20479.1
2°	20459.9
3°	20389.8
4°	20255.2
5°	20037.2
6°	19737.1
7°	19333.3
8°	18827.8
9°	18246.0
10°	17599.1
11°	16920.6
12°	16216.6
13°	15513.3
14°	14859.9
15°	14239.4
16°	13669.7
17°	13119.3
18°	12607.3
19°	12127.9
20°	11666.7
21°	11218.6
22°	10795.9
23°	10374.2
24°	9932.6
25°	9490.6
26°	9042.5
27°	8530.9
28°	7967.4
29°	7392.1
30°	6790.2
31°	6143.9
32°	5497.0
33°	4857.3
34°	4211.0
35°	3634.8
37.5°	2323.0
40°	1344.0
42.5°	717.0
45°	333.1
47.5°	179.6
50°	58.0
52.5°	6.5
55°	0.0
57.5°	6.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.5
62.5°	0.0
65°	0.0
67.5°	6.5
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)