

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: P248040

Luminaire Tested: **LD8B175D010 ER8B175935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14786.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

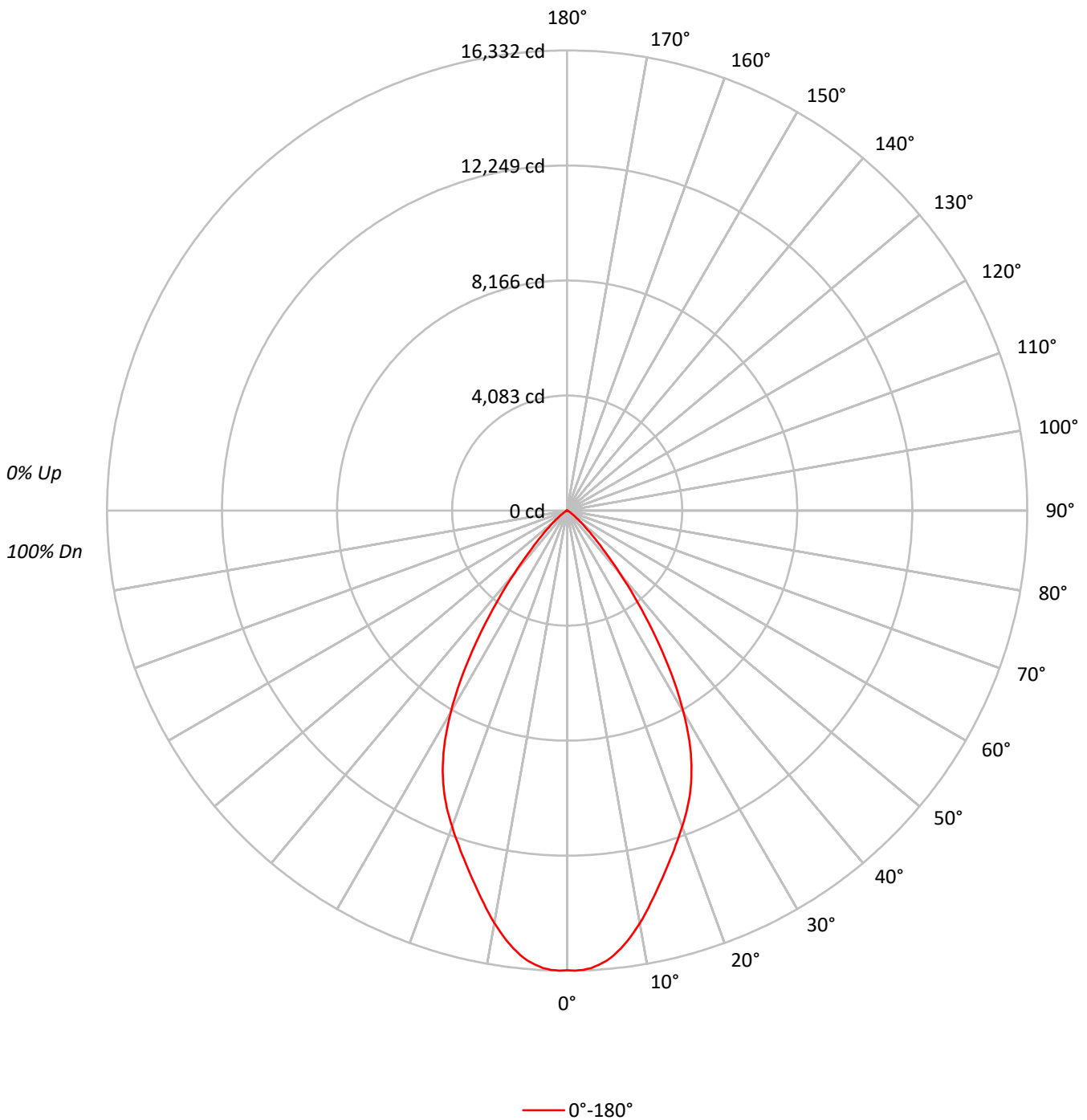
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86					86			
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80					80			
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74					74			
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69					69			
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64					64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60					60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56					56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52					52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502934
5°	496457
10°	465406
15°	425599
20°	391805
25°	355035
30°	293990
35°	206185
40°	117336
45°	57547
50°	28400
55°	12876
60°	6130
65°	3298
70°	406
75°	536
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1492.5	10.1
10°-20°	3742.4	25.3
20°-30°	4724.3	32.0
30°-40°	3398.5	23.0
40°-50°	1124.8	7.6
50°-60°	245.0	1.7
60°-70°	50.5	0.3
70°-80°	5.4	0.0
80°-90°	2.5	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°	9959.3	67.4
0°-40°	13357.8	90.3
0°-60°	14727.6	99.6
0°-90°	14786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14786.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16310	
5°	16038	###
15°	13332	3742
25°	10435	4724
35°	5477	3399
45°	1320	1125
55°	240	245
65°	45	51
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16309.8
1°	16332.3
2°	16314.2
3°	16260.0
4°	16160.6
5°	16038.5
6°	15871.3
7°	15654.5
8°	15414.9
9°	15152.8
10°	14863.5
11°	14569.9
12°	14249.0
13°	13941.7
14°	13629.8
15°	13331.6
16°	13037.8
17°	12757.6
18°	12477.5
19°	12210.8
20°	11939.7
21°	11664.0
22°	11392.9
23°	11099.1
24°	10782.8
25°	10434.8
26°	10068.7
27°	9662.0
28°	9232.7
29°	8753.6
30°	8256.6
31°	7732.3
32°	7181.0
33°	6602.6
34°	6037.6
35°	5477.2
37.5°	4112.5
40°	2914.9
42.5°	1974.9
45°	1319.6
47.5°	885.7
50°	592.0
52.5°	357.1
55°	239.5
57.5°	167.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	99.4
62.5°	67.8
65°	45.2
67.5°	40.7
70°	4.5
72.5°	9.1
75°	4.5
77.5°	4.5
80°	0.0
82.5°	9.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)