

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: P250545

Luminaire Tested: **LD8B175D010 ER8B175827 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175827 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10829.9 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

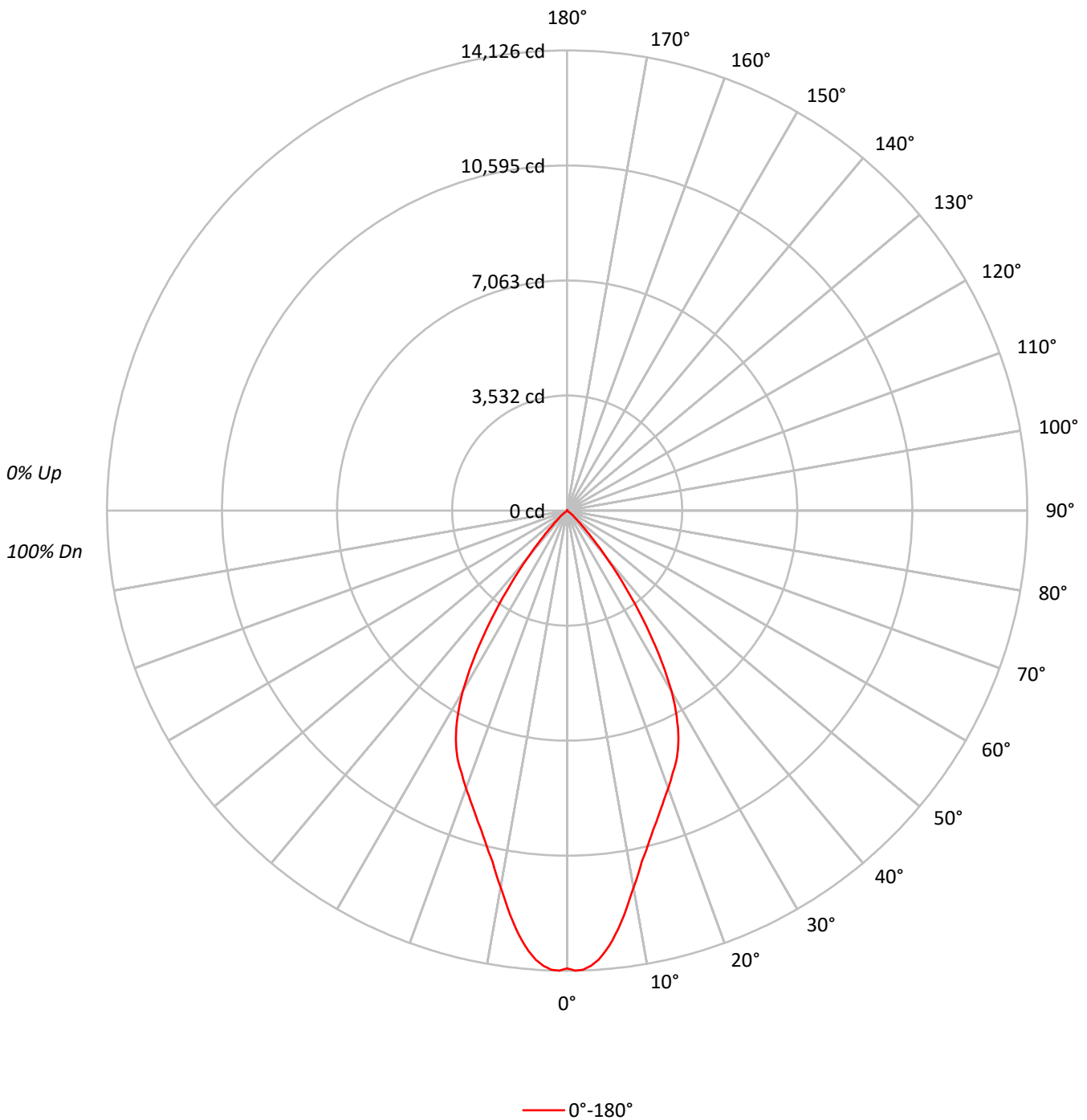
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	433321
5°	420072
10°	367897
15°	324802
20°	297628
25°	274051
30°	228097
35°	151503
40°	73733
45°	26706
50°	8035
55°	564
60°	0
65°	379
70°	0
75°	0
80°	923
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1234.3	11.4
10°-20°	2866.4	26.5
20°-30°	3636.5	33.6
30°-40°	2491.3	23.0
40°-50°	567.7	5.2
50°-60°	28.3	0.3
60°-70°	1.3	0.0
70°-80°	2.1	0.0
80°-90°	2.1	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°	7737.2	71.4
0°-40°	10228.4	94.4
0°-60°	10824.5	99.9
0°-90°	10829.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10829.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14052	
5°	13571	###
15°	10174	2866
25°	8055	3636
35°	4025	2491
45°	612	568
55°	10	28
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14052.3
1°	14125.5
2°	14099.3
3°	13994.7
4°	13816.7
5°	13570.8
6°	13272.4
7°	12927.1
8°	12544.9
9°	12136.7
10°	11749.4
11°	11393.6
12°	11011.6
13°	10734.2
14°	10441.1
15°	10174.2
16°	9933.4
17°	9697.8
18°	9478.1
19°	9263.4
20°	9069.8
21°	8871.0
22°	8666.8
23°	8489.0
24°	8290.1
25°	8054.6
26°	7792.8
27°	7489.3
28°	7164.8
29°	6803.7
30°	6406.0
31°	5955.8
32°	5490.1
33°	5003.3
34°	4506.1
35°	4024.6
37.5°	2841.9
40°	1831.7
42.5°	1078.1
45°	612.4
47.5°	329.7
50°	167.5
52.5°	31.4
55°	10.5
57.5°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	5.2
67.5°	0.0
70°	0.0
72.5°	5.2
75°	0.0
77.5°	0.0
80°	5.2
82.5°	0.0
85°	0.0
87.5°	5.2
90°	0.0

(END OF REPORT)