

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: P250615

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250615
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 ER8B1759727 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8038.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

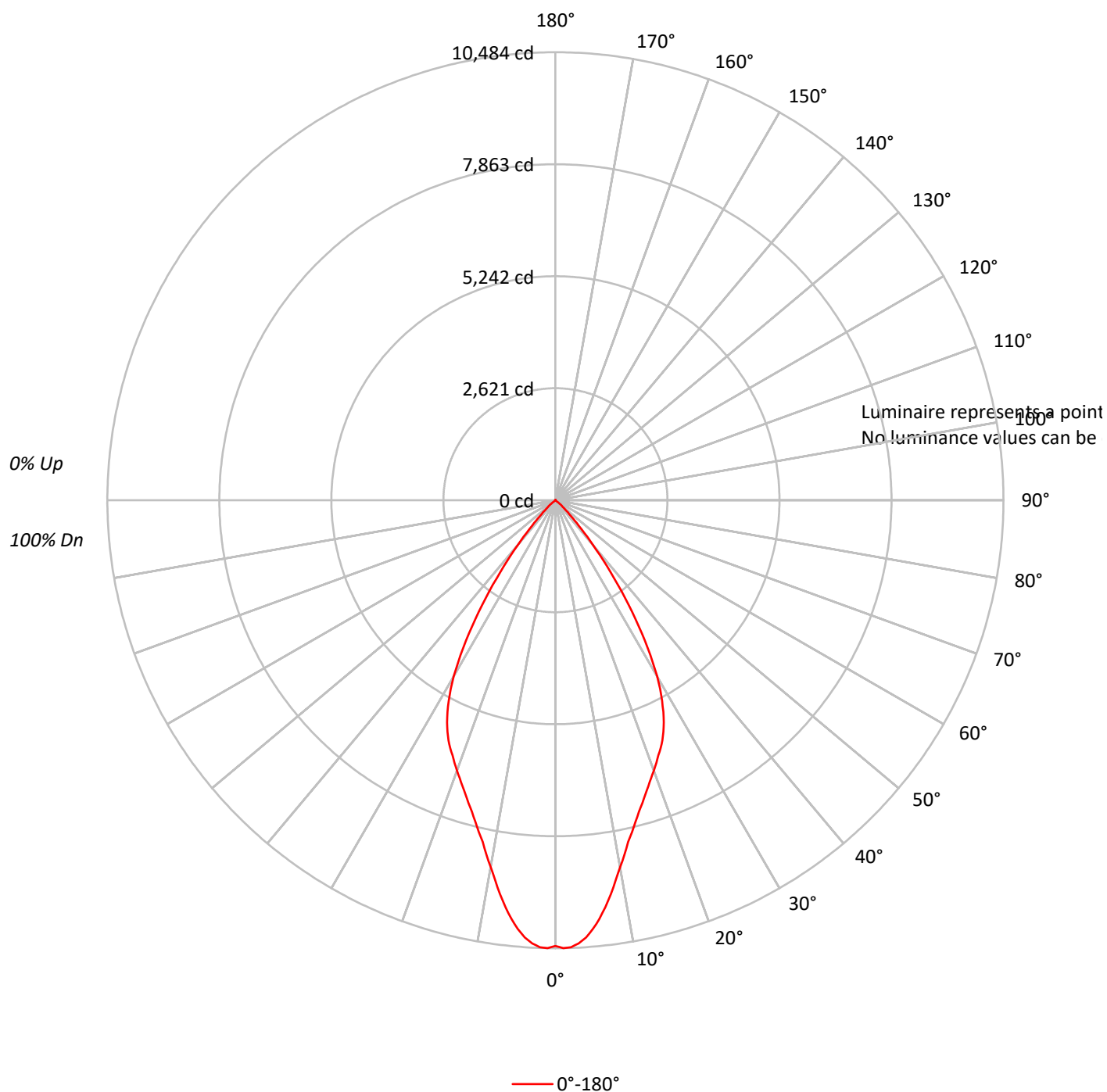
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250615

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBM0B

Luminous Intensity Polar Plot



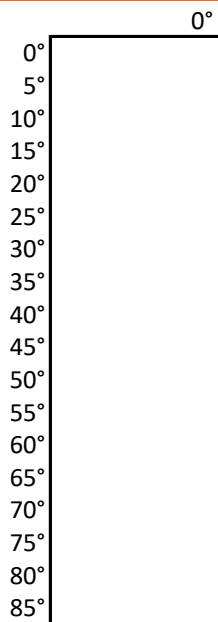
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.1	11.4
10°-20°	2127.5	26.5
20°-30°	2699.0	33.6
30°-40°	1849.0	23.0
40°-50°	421.4	5.2
50°-60°	21.0	0.3
60°-70°	1.0	0.0
70°-80°	1.5	0.0
80°-90°	1.6	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°	5742.5	71.4
0°-40°	7591.5	94.4
0°-60°	8033.9	99.9
0°-90°	8038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10430	
5°	10072	916
15°	7551	2127
25°	5978	2699
35°	2987	1849
45°	454	421
55°	8	21
65°	4	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10429.6
1°	10483.9
2°	10464.5
3°	10386.8
4°	10254.7
5°	10072.2
6°	9850.8
7°	9594.4
8°	9310.8
9°	9007.8
10°	8720.4
11°	8456.3
12°	8172.8
13°	7966.9
14°	7749.3
15°	7551.3
16°	7372.6
17°	7197.7
18°	7034.6
19°	6875.3
20°	6731.6
21°	6584.0
22°	6432.5
23°	6300.5
24°	6152.9
25°	5978.1
26°	5783.8
27°	5558.6
28°	5317.7
29°	5049.7
30°	4754.5
31°	4420.4
32°	4074.7
33°	3713.5
34°	3344.4
35°	2987.1
37.5°	2109.2
40°	1359.5
42.5°	800.2
45°	454.5
47.5°	244.7
50°	124.3
52.5°	23.3
55°	7.8
57.5°	3.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.9
67.5°	0.0
70°	0.0
72.5°	3.9
75°	0.0
77.5°	0.0
80°	3.9
82.5°	0.0
85°	0.0
87.5°	3.9
90°	0.0

(END OF REPORT)