

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: P248049

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248049  
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 ER8B1759727 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12073.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

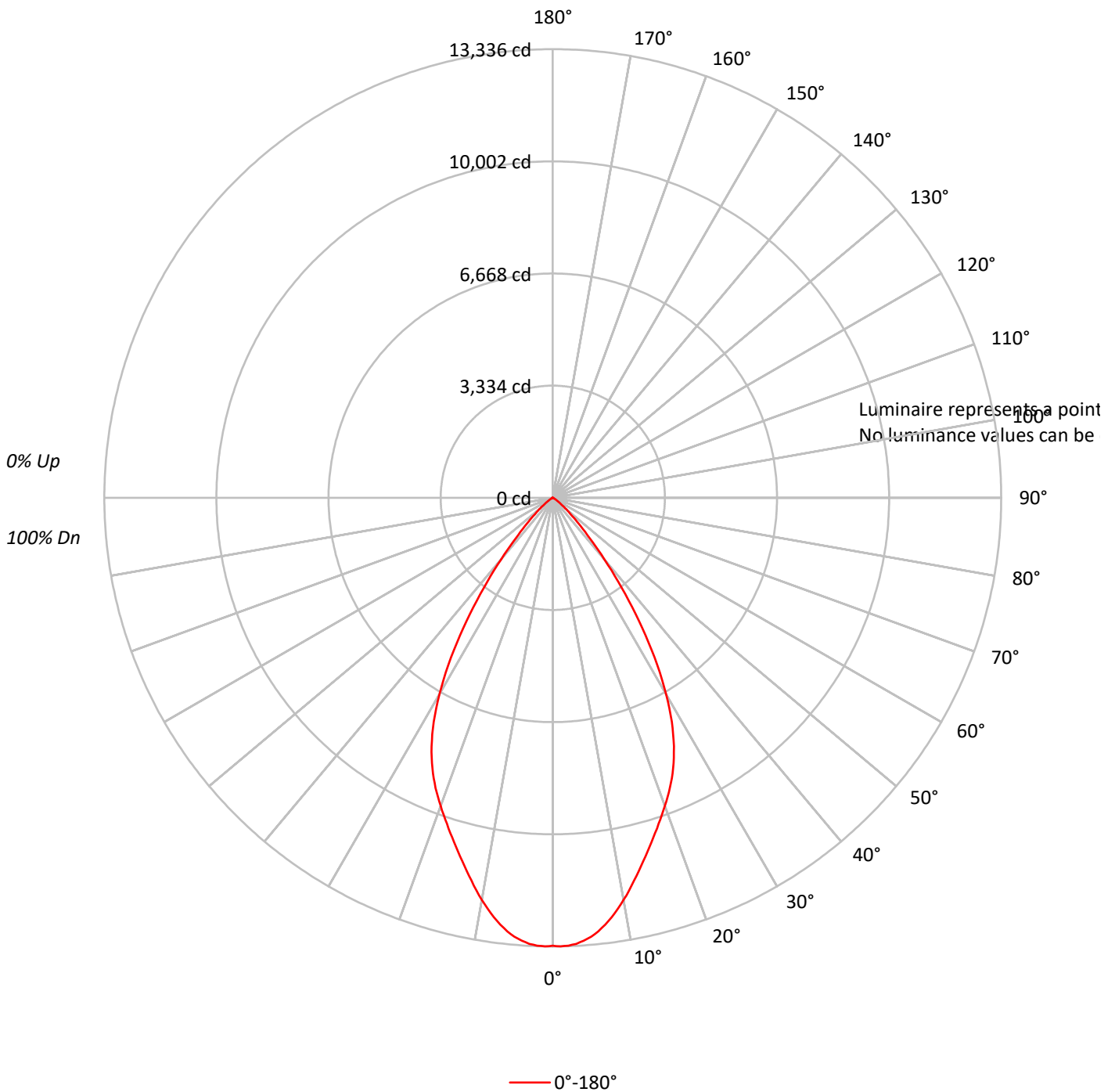
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1218.7	10.1
10°-20°	3055.8	25.3
20°-30°	3857.5	32.0
30°-40°	2775.0	23.0
40°-50°	918.4	7.6
50°-60°	200.0	1.7
60°-70°	41.2	0.3
70°-80°	4.4	0.0
80°-90°	2.0	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°	8131.9	67.4
0°-40°	10906.9	90.3
0°-60°	12025.3	99.6
0°-90°	12073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13317	
5°	13096	###
15°	10886	3056
25°	8520	3857
35°	4472	2775
45°	1078	918
55°	196	200
65°	37	41
75°	4	4
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13317.2
1°	13335.6
2°	13320.8
3°	13276.6
4°	13195.4
5°	13095.7
6°	12959.2
7°	12782.1
8°	12586.5
9°	12372.5
10°	12136.3
11°	11896.5
12°	11634.5
13°	11383.6
14°	11129.0
15°	10885.5
16°	10645.6
17°	10416.8
18°	10188.1
19°	9970.3
20°	9748.9
21°	9523.8
22°	9302.5
23°	9062.6
24°	8804.3
25°	8520.2
26°	8221.3
27°	7889.2
28°	7538.7
29°	7147.5
30°	6741.6
31°	6313.6
32°	5863.4
33°	5391.1
34°	4929.8
35°	4472.2
37.5°	3357.9
40°	2380.1
42.5°	1612.5
45°	1077.5
47.5°	723.2
50°	483.4
52.5°	291.5
55°	195.6
57.5°	136.5



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	81.2
62.5°	55.3
65°	36.9
67.5°	33.2
70°	3.7
72.5°	7.4
75°	3.7
77.5°	3.7
80°	0.0
82.5°	7.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)