

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: P250622

Luminaire Tested: **LD8B175D010 ER8B175930 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250622  
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 ER8B175930 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9532.9 lumens  
Efficiency: N/A  
Efficacy: 53.8 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

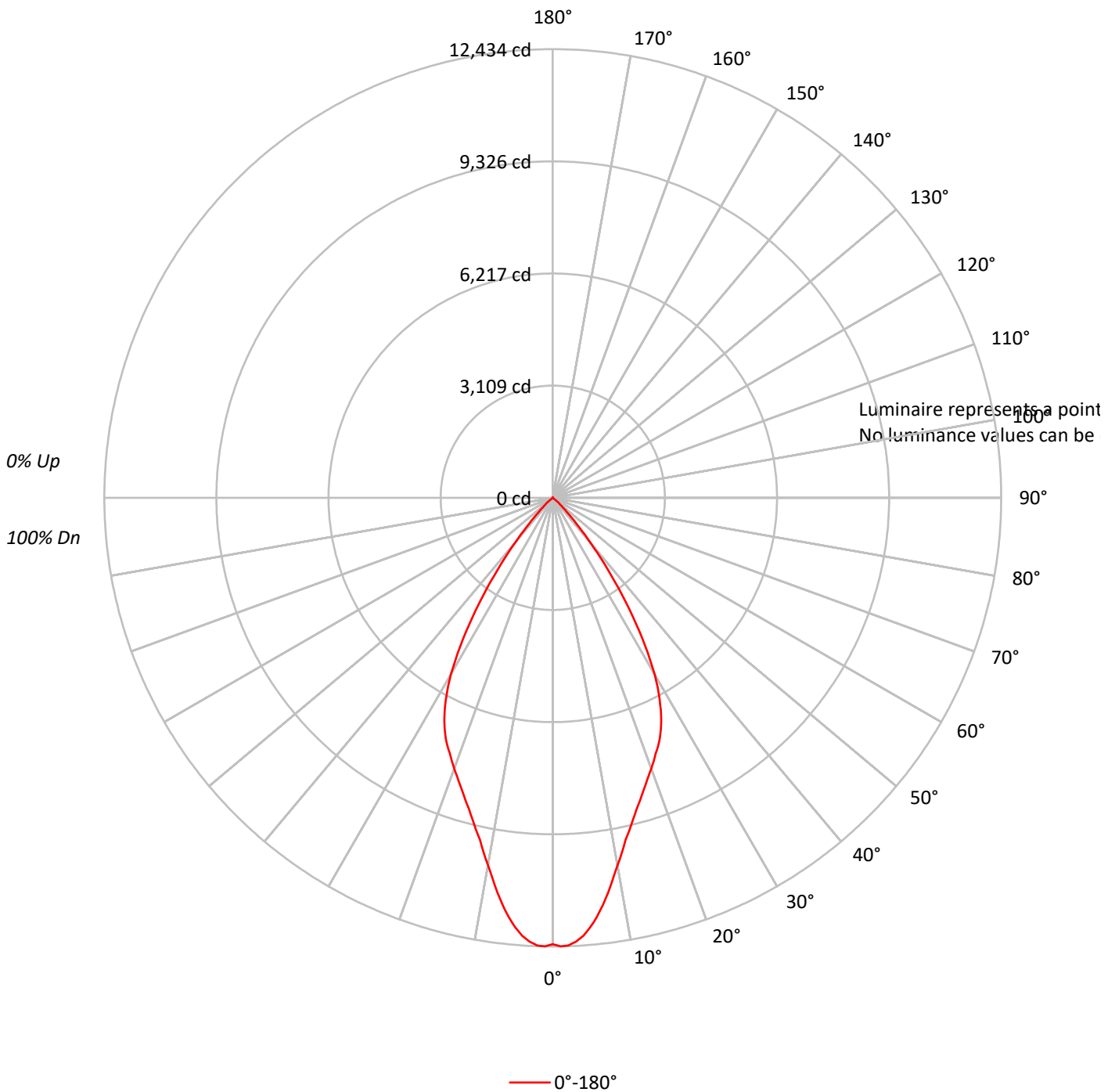
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1086.5	11.4
10°-20°	2523.1	26.5
20°-30°	3201.0	33.6
30°-40°	2192.9	23.0
40°-50°	499.7	5.2
50°-60°	24.9	0.3
60°-70°	1.1	0.0
70°-80°	1.8	0.0
80°-90°	1.9	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°	6810.5	71.4
0°-40°	9003.4	94.4
0°-60°	9528.0	99.9
0°-90°	9532.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9532.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12369	
5°	11946	###
15°	8956	2523
25°	7090	3201
35°	3543	2193
45°	539	500
55°	9	25
65°	5	1
75°	0	2
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12369.3
1°	12433.8
2°	12410.7
3°	12318.7
4°	12162.0
5°	11945.5
6°	11682.9
7°	11378.9
8°	11042.5
9°	10683.1
10°	10342.3
11°	10029.0
12°	9692.8
13°	9448.7
14°	9190.6
15°	8955.7
16°	8743.8
17°	8536.4
18°	8342.9
19°	8154.0
20°	7983.6
21°	7808.5
22°	7628.9
23°	7472.2
24°	7297.3
25°	7090.0
26°	6859.5
27°	6592.4
28°	6306.7
29°	5988.9
30°	5638.7
31°	5242.6
32°	4832.6
33°	4404.2
34°	3966.4
35°	3542.6
37.5°	2501.5
40°	1612.3
42.5°	949.0
45°	539.0
47.5°	290.2
50°	147.4
52.5°	27.6
55°	9.2
57.5°	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	4.6
67.5°	0.0
70°	0.0
72.5°	4.6
75°	0.0
77.5°	0.0
80°	4.6
82.5°	0.0
85°	0.0
87.5°	4.6
90°	0.0

(END OF REPORT)