

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 ER8B1759730 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 ER8B1759730 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: 8503.9 lumens  
Efficiency: N/A  
Efficacy: 48.0 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

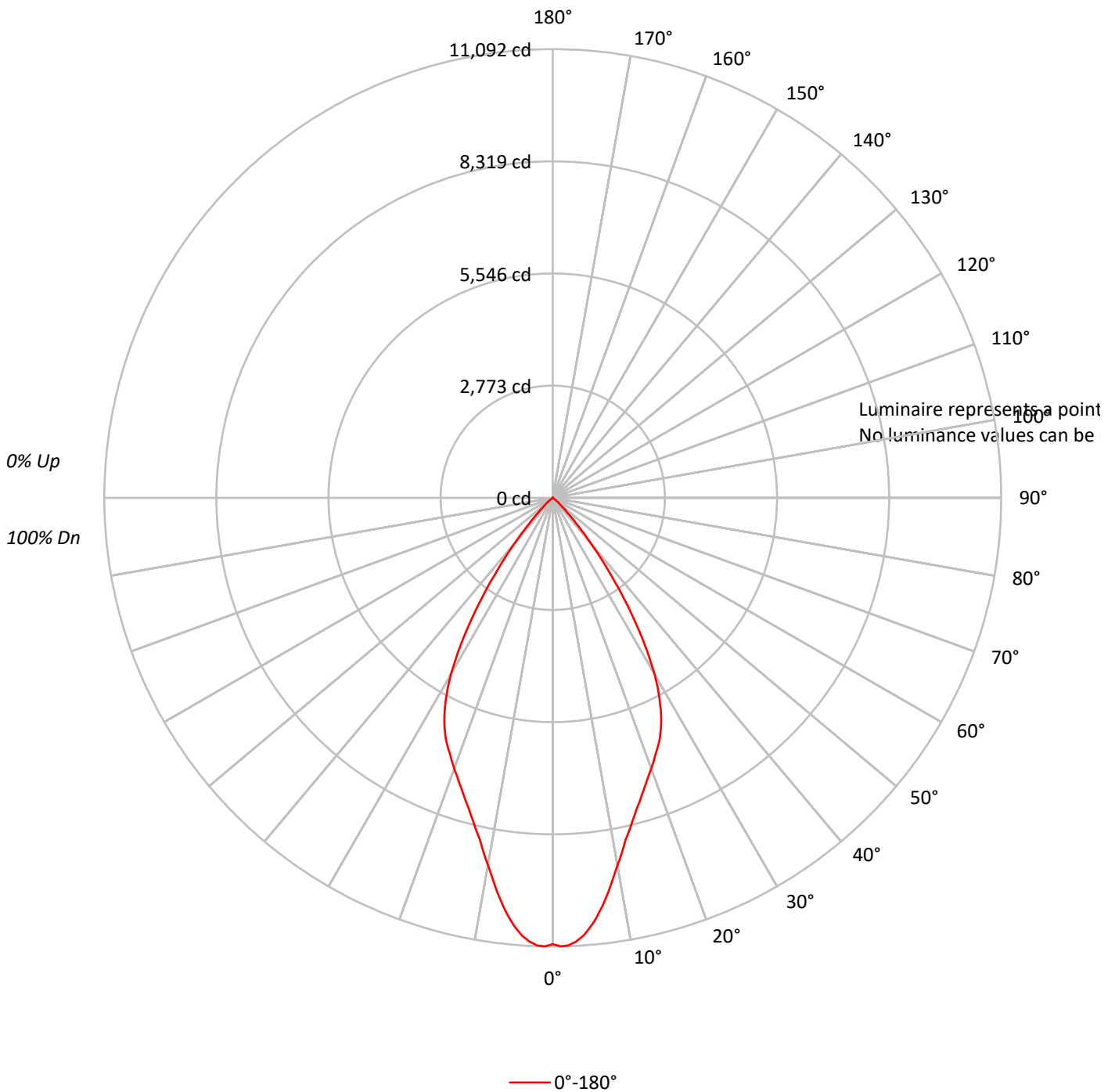
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	969.2	11.4
10°-20°	2250.8	26.5
20°-30°	2855.5	33.6
30°-40°	1956.2	23.0
40°-50°	445.8	5.2
50°-60°	22.2	0.3
60°-70°	1.0	0.0
70°-80°	1.6	0.0
80°-90°	1.7	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°	6075.4	71.4
0°-40°	8031.6	94.4
0°-60°	8499.6	99.9
0°-90°	8503.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8503.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11034	
5°	10656	969
15°	7989	2251
25°	6325	2855
35°	3160	1956
45°	481	446
55°	8	22
65°	4	1
75°	0	2
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11034.2
1°	11091.7
2°	11071.1
3°	10989.0
4°	10849.2
5°	10656.1
6°	10421.9
7°	10150.7
8°	9850.6
9°	9530.0
10°	9226.0
11°	8946.5
12°	8646.6
13°	8428.8
14°	8198.6
15°	7989.0
16°	7800.0
17°	7615.0
18°	7442.4
19°	7273.9
20°	7121.9
21°	6965.7
22°	6805.4
23°	6665.7
24°	6509.6
25°	6324.7
26°	6119.1
27°	5880.8
28°	5626.0
29°	5342.5
30°	5030.1
31°	4676.7
32°	4311.0
33°	3928.8
34°	3538.3
35°	3160.2
37.5°	2231.5
40°	1438.3
42.5°	846.6
45°	480.8
47.5°	258.9
50°	131.5
52.5°	24.6
55°	8.2
57.5°	4.1



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	4.1
67.5°	0.0
70°	0.0
72.5°	4.1
75°	0.0
77.5°	0.0
80°	4.1
82.5°	0.0
85°	0.0
87.5°	4.1
90°	0.0

(END OF REPORT)