

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: P246747

Luminaire Tested: **LD8B30D010 ER8B309730 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246747  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B309730 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2284.0 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

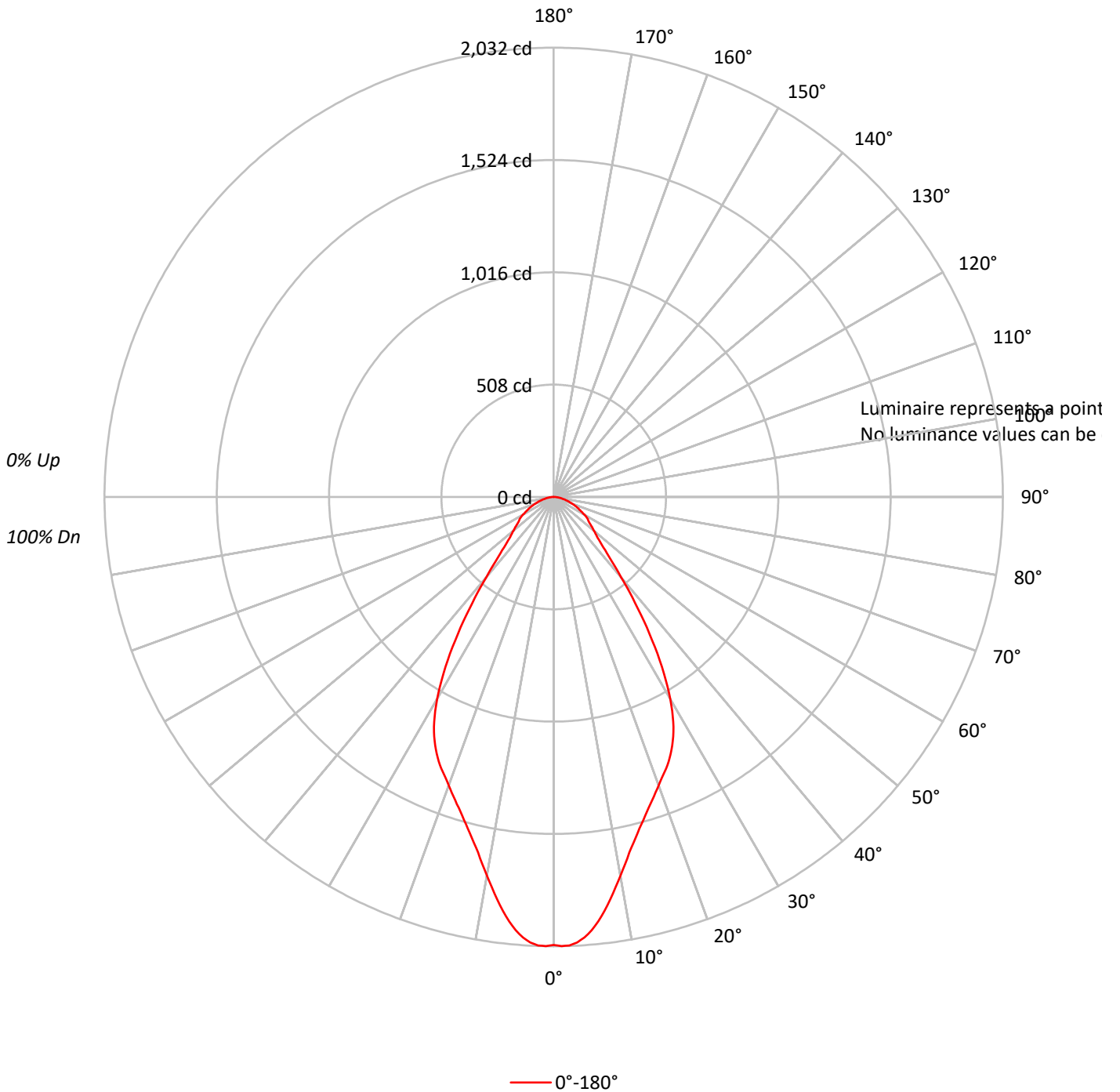
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.1	7.9
10°-20°	432.2	18.9
20°-30°	572.7	25.1
30°-40°	469.6	20.6
40°-50°	250.2	11.0
50°-60°	176.1	7.7
60°-70°	121.4	5.3
70°-80°	63.2	2.8
80°-90°	18.7	0.8
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°	1184.9	51.9
0°-40°	1654.5	72.4
0°-60°	2080.7	91.1
0°-90°	2284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2026	
5°	1967	180
15°	1532	432
25°	1261	573
35°	755	470
45°	309	250
55°	194	176
65°	122	121
75°	60	63
85°	17	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2026.1
1°	2031.8
2°	2029.4
3°	2017.4
4°	1996.8
5°	1967.2
6°	1930.3
7°	1885.9
8°	1838.2
9°	1787.5
10°	1738.6
11°	1691.7
12°	1644.1
13°	1604.4
14°	1566.7
15°	1532.4
16°	1500.0
17°	1470.1
18°	1442.5
19°	1414.8
20°	1388.3
21°	1362.5
22°	1340.0
23°	1317.0
24°	1289.9
25°	1261.4
26°	1229.1
27°	1192.7
28°	1151.6
29°	1106.1
30°	1053.9
31°	999.1
32°	941.6
33°	880.2
34°	818.6
35°	755.3
37.5°	605.2
40°	474.4
42.5°	374.7
45°	308.7
47.5°	265.1
50°	238.0
52.5°	214.2
55°	193.6
57.5°	181.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	159.9
62.5°	139.4
65°	121.6
67.5°	105.8
70°	88.5
72.5°	73.9
75°	60.3
77.5°	43.6
80°	35.6
82.5°	25.8
85°	17.2
87.5°	8.0
90°	0.0

(END OF REPORT)