

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: P246735

Luminaire Tested: **LD8B30D010 ER8B30950 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246735  
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 ER8B30950 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2859.0 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

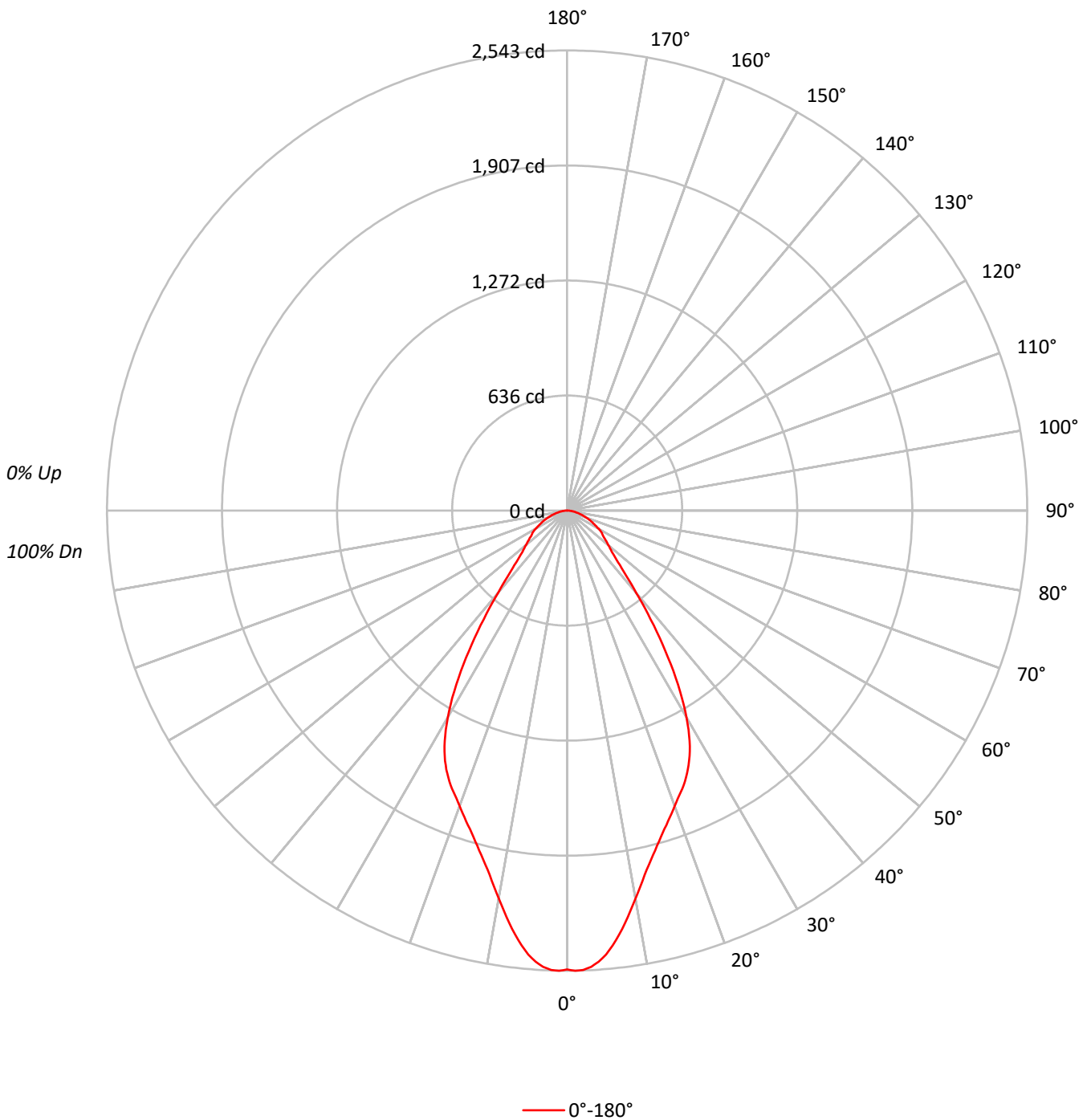
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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):**

	0°
0°	78207
5°	76224
10°	68141
15°	61237
20°	57026
25°	53724
30°	46972
35°	35593
40°	23903
45°	16851
50°	14291
55°	13032
60°	12347
65°	11105
70°	9990
75°	8983
80°	7920
85°	7642



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.4	7.9
10°-20°	540.9	18.9
20°-30°	716.8	25.1
30°-40°	587.8	20.6
40°-50°	313.1	11.0
50°-60°	220.4	7.7
60°-70°	152.0	5.3
70°-80°	79.1	2.8
80°-90°	23.4	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°	1483.2	51.9
0°-40°	2071.0	72.4
0°-60°	2604.5	91.1
0°-90°	2859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2536	
5°	2462	225
15°	1918	541
25°	1579	717
35°	946	588
45°	386	313
55°	242	220
65°	152	152
75°	75	79
85°	22	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2536.2
1°	2543.4
2°	2540.3
3°	2525.2
4°	2499.5
5°	2462.5
6°	2416.2
7°	2360.6
8°	2301.0
9°	2237.6
10°	2176.2
11°	2117.6
12°	2058.0
13°	2008.3
14°	1961.2
15°	1918.2
16°	1877.6
17°	1840.2
18°	1805.6
19°	1771.0
20°	1737.8
21°	1705.5
22°	1677.3
23°	1648.5
24°	1614.7
25°	1579.0
26°	1538.5
27°	1493.0
28°	1441.6
29°	1384.6
30°	1319.2
31°	1250.6
32°	1178.6
33°	1101.8
34°	1024.7
35°	945.5
37.5°	757.6
40°	593.8
42.5°	469.0
45°	386.4
47.5°	331.8
50°	297.9
52.5°	268.1
55°	242.4
57.5°	226.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	200.2
62.5°	174.5
65°	152.2
67.5°	132.4
70°	110.8
72.5°	92.5
75°	75.4
77.5°	54.6
80°	44.6
82.5°	32.2
85°	21.6
87.5°	10.0
90°	0.0

(END OF REPORT)