

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: P246693

Luminaire Tested: **LD8B30D010 ER8B30835 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246693  
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 ER8B30835 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3100.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

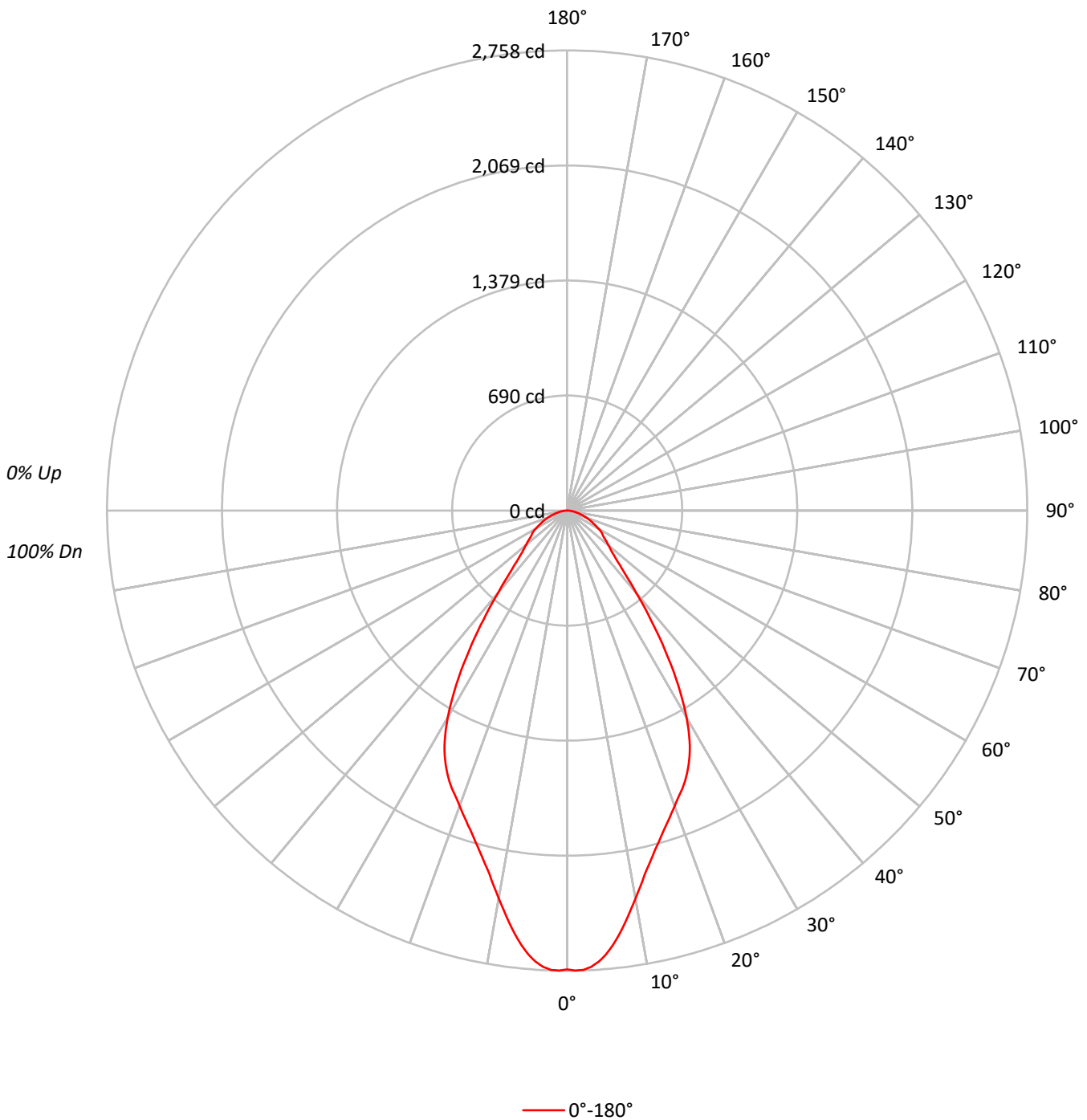
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	84800
5°	82647
10°	73887
15°	66396
20°	61834
25°	58253
30°	50932
35°	38593
40°	25920
45°	18268
50°	15495
55°	14129
60°	13389
65°	12047
70°	10837
75°	9746
80°	8577
85°	8279



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.4	7.9
10°-20°	586.5	18.9
20°-30°	777.3	25.1
30°-40°	637.4	20.6
40°-50°	339.5	11.0
50°-60°	239.0	7.7
60°-70°	164.8	5.3
70°-80°	85.8	2.8
80°-90°	25.4	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°	1608.2	51.9
0°-40°	2245.6	72.4
0°-60°	2824.0	91.1
0°-90°	3100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2750	
5°	2670	244
15°	2080	587
25°	1712	777
35°	1025	637
45°	419	340
55°	263	239
65°	165	165
75°	82	86
85°	23	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2750.0
1°	2757.8
2°	2754.4
3°	2738.1
4°	2710.2
5°	2670.0
6°	2619.9
7°	2559.6
8°	2495.0
9°	2426.2
10°	2359.7
11°	2296.1
12°	2231.5
13°	2177.6
14°	2126.5
15°	2079.8
16°	2035.9
17°	1995.4
18°	1957.8
19°	1920.3
20°	1884.3
21°	1849.2
22°	1818.7
23°	1787.5
24°	1750.8
25°	1712.1
26°	1668.2
27°	1618.8
28°	1563.1
29°	1501.3
30°	1430.4
31°	1356.0
32°	1277.9
33°	1194.7
34°	1111.0
35°	1025.2
37.5°	821.5
40°	643.9
42.5°	508.5
45°	418.9
47.5°	359.8
50°	323.0
52.5°	290.7
55°	262.8
57.5°	245.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	217.1
62.5°	189.3
65°	165.1
67.5°	143.5
70°	120.2
72.5°	100.3
75°	81.8
77.5°	59.2
80°	48.3
82.5°	35.0
85°	23.4
87.5°	10.8
90°	0.0

(END OF REPORT)