

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: P246690

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246690  
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: LSR8B10D010 EC8B10835 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1131.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

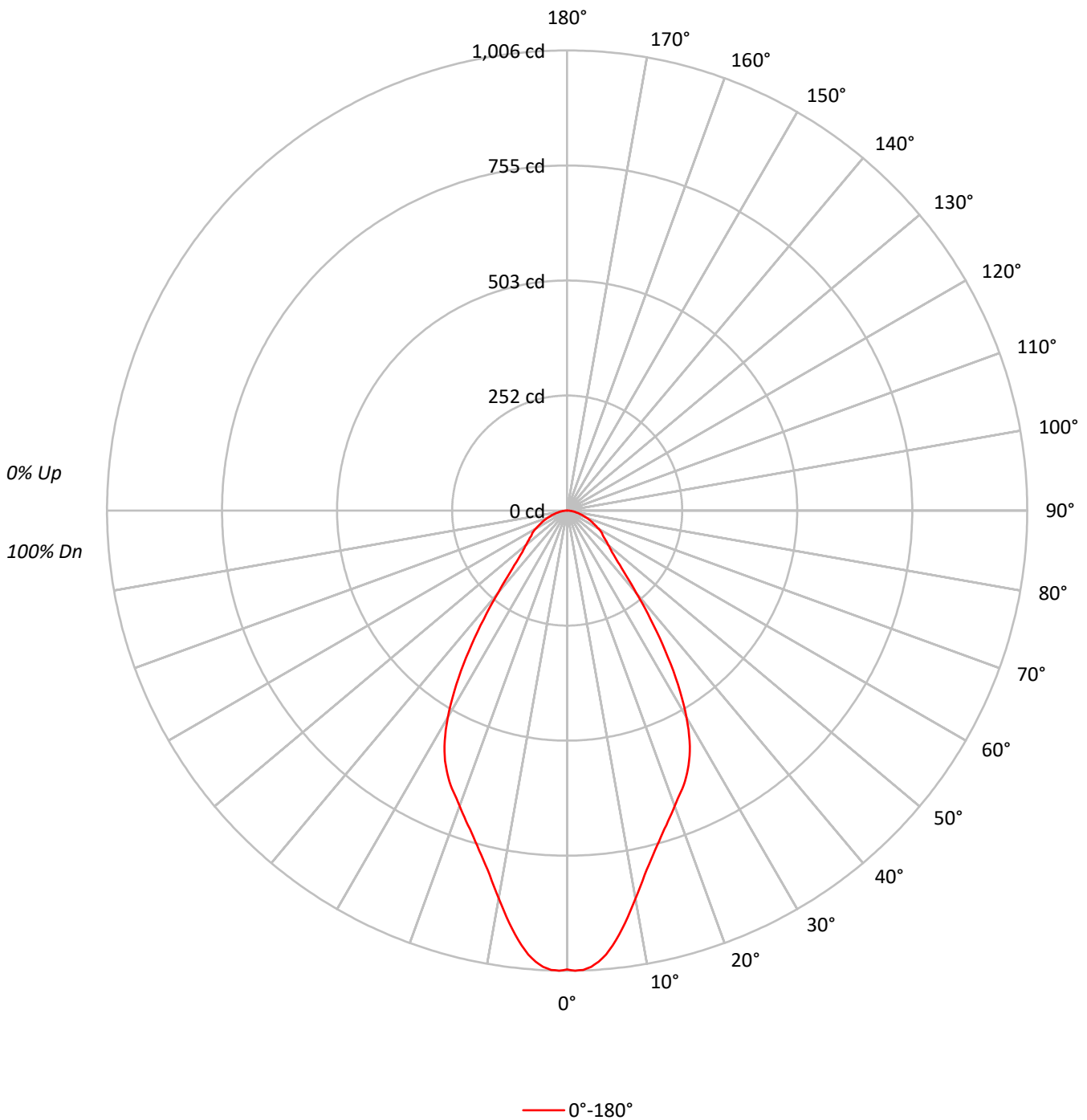
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	30938
5°	30152
10°	26957
15°	24224
20°	22561
25°	21251
30°	18583
35°	14079
40°	9456
45°	6663
50°	5651
55°	5156
60°	4884
65°	4392
70°	3949
75°	3550
80°	3125
85°	3007



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	7.9
10°-20°	214.0	18.9
20°-30°	283.6	25.1
30°-40°	232.5	20.6
40°-50°	123.9	11.0
50°-60°	87.2	7.7
60°-70°	60.1	5.3
70°-80°	31.3	2.8
80°-90°	9.3	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°	586.7	51.9
0°-40°	819.3	72.4
0°-60°	1030.3	91.1
0°-90°	1131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1003	
5°	974	89
15°	759	214
25°	625	284
35°	374	233
45°	153	124
55°	96	87
65°	60	60
75°	30	31
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1003.3
1°	1006.1
2°	1004.9
3°	999.0
4°	988.8
5°	974.1
6°	955.8
7°	933.8
8°	910.3
9°	885.2
10°	860.9
11°	837.7
12°	814.1
13°	794.5
14°	775.8
15°	758.8
16°	742.8
17°	728.0
18°	714.3
19°	700.6
20°	687.5
21°	674.7
22°	663.5
23°	652.1
24°	638.7
25°	624.6
26°	608.6
27°	590.6
28°	570.3
29°	547.7
30°	521.9
31°	494.7
32°	466.2
33°	435.9
34°	405.4
35°	374.0
37.5°	299.7
40°	234.9
42.5°	185.5
45°	152.8
47.5°	131.3
50°	117.8
52.5°	106.1
55°	95.9
57.5°	89.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	79.2
62.5°	69.0
65°	60.2
67.5°	52.4
70°	43.8
72.5°	36.6
75°	29.8
77.5°	21.6
80°	17.6
82.5°	12.8
85°	8.5
87.5°	4.0
90°	0.0

(END OF REPORT)