

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: P246744

Luminaire Tested: **LSR8B10D010 EC8B109730 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246744  
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 EC8B109730 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 833.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 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

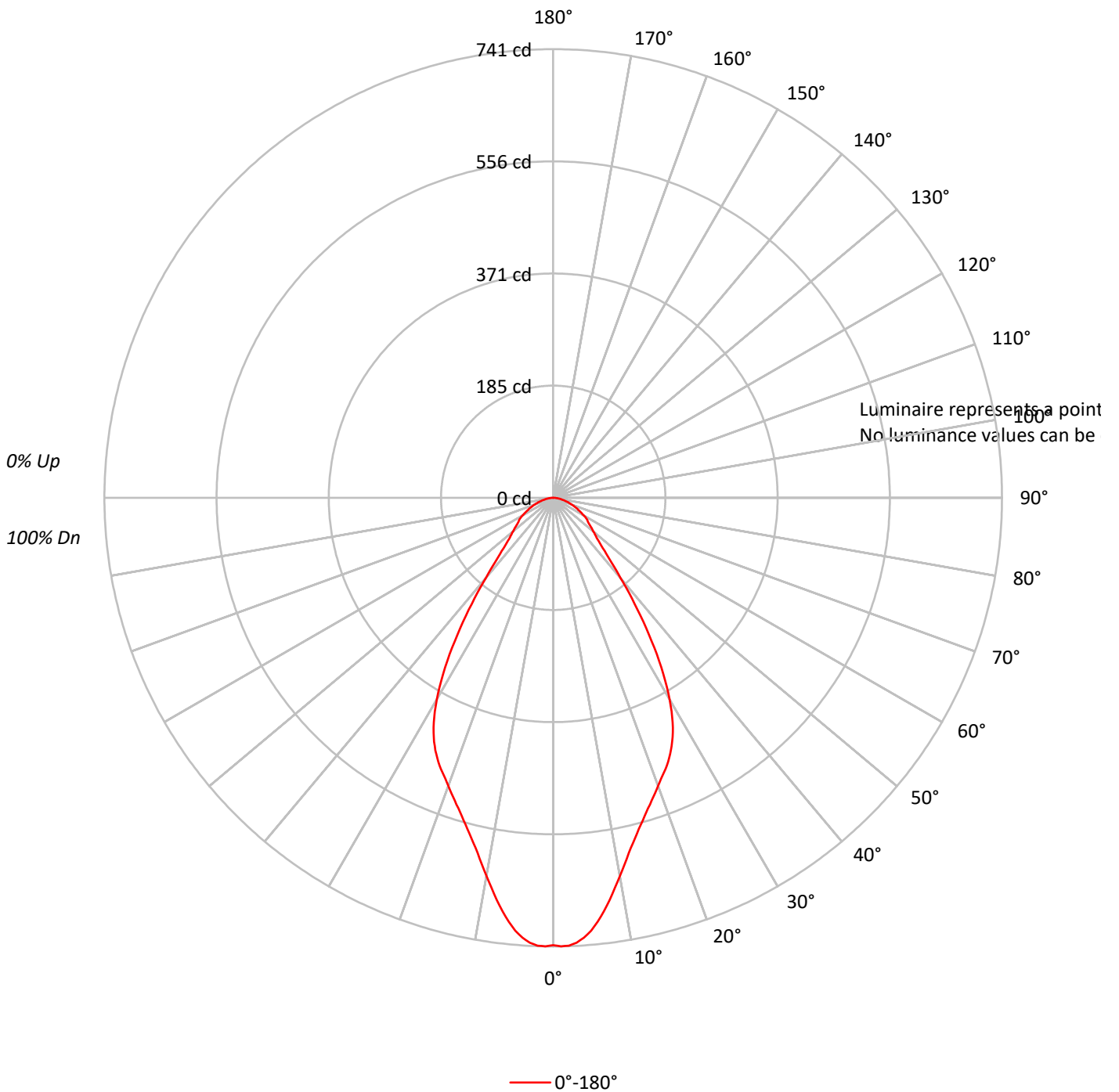
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	7.9
10°-20°	157.6	18.9
20°-30°	208.9	25.1
30°-40°	171.3	20.6
40°-50°	91.2	11.0
50°-60°	64.2	7.7
60°-70°	44.3	5.3
70°-80°	23.1	2.8
80°-90°	6.8	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°	432.1	51.9
0°-40°	603.4	72.4
0°-60°	758.8	91.1
0°-90°	833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	739	
5°	718	66
15°	559	158
25°	460	209
35°	276	171
45°	113	91
55°	71	64
65°	44	44
75°	22	23
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	738.9
1°	741.0
2°	740.1
3°	735.8
4°	728.3
5°	717.5
6°	704.0
7°	687.8
8°	670.4
9°	651.9
10°	634.1
11°	617.0
12°	599.6
13°	585.1
14°	571.4
15°	558.9
16°	547.1
17°	536.2
18°	526.1
19°	516.0
20°	506.3
21°	496.9
22°	488.7
23°	480.3
24°	470.4
25°	460.1
26°	448.3
27°	435.0
28°	420.0
29°	403.4
30°	384.4
31°	364.4
32°	343.4
33°	321.0
34°	298.5
35°	275.5
37.5°	220.7
40°	173.0
42.5°	136.6
45°	112.6
47.5°	96.7
50°	86.8
52.5°	78.1
55°	70.6
57.5°	66.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	58.3
62.5°	50.9
65°	44.4
67.5°	38.6
70°	32.3
72.5°	27.0
75°	22.0
77.5°	15.9
80°	13.0
82.5°	9.4
85°	6.3
87.5°	2.9
90°	0.0

(END OF REPORT)