

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: P244441

Luminaire Tested: **LSR8B15D010 EC8B159730 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B159730 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1106.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

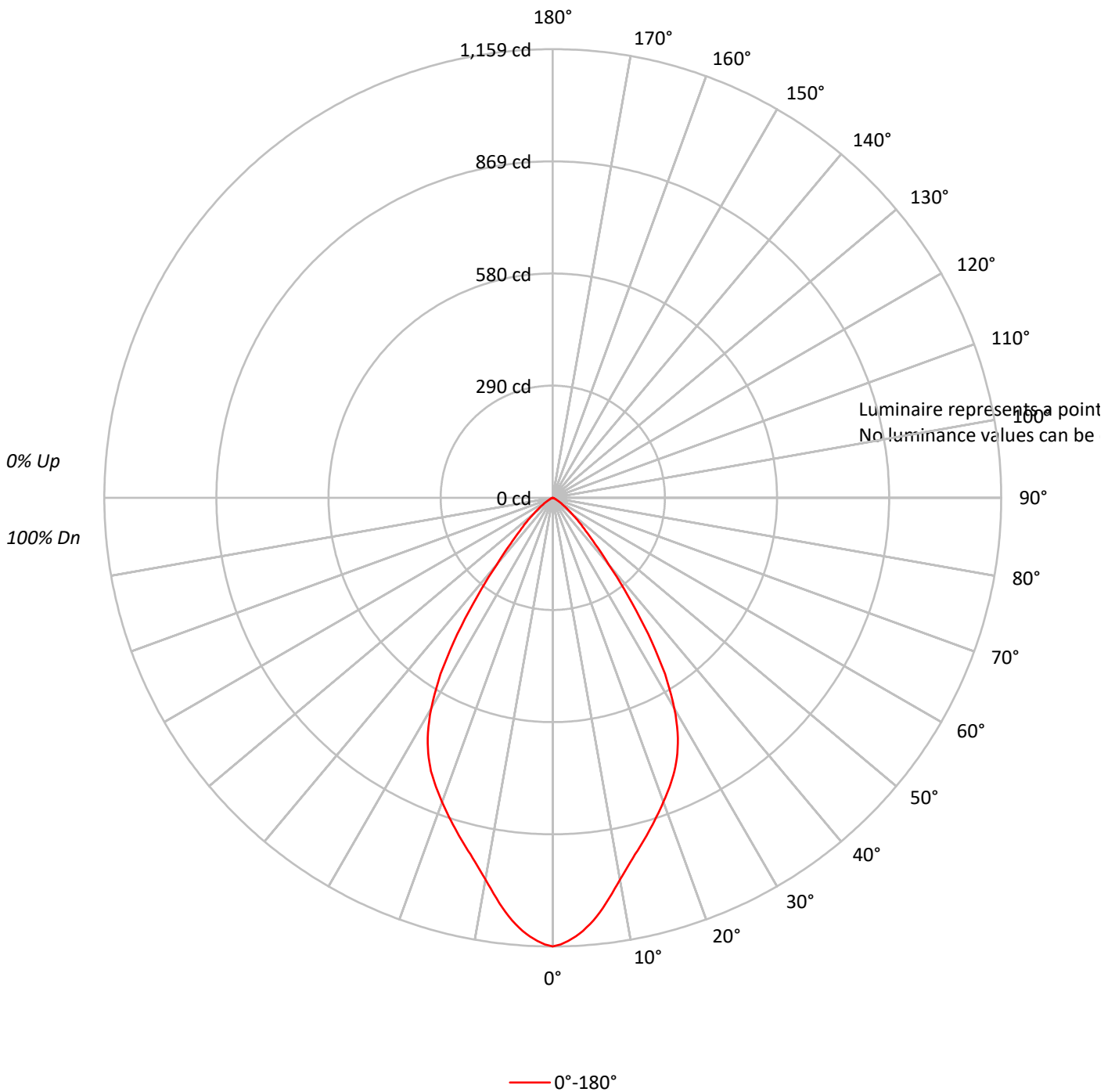
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





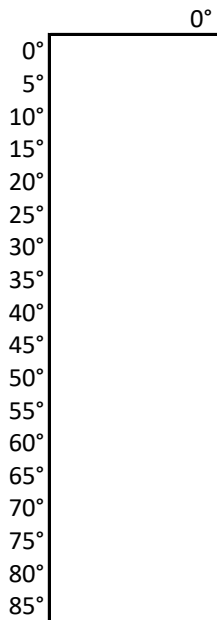
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.1	9.2
10°-20°	256.9	23.2
20°-30°	342.8	31.0
30°-40°	264.2	23.9
40°-50°	98.5	8.9
50°-60°	32.2	2.9
60°-70°	7.4	0.7
70°-80°	1.5	0.1
80°-90°	0.2	0.0
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°	701.9	63.5
0°-40°	966.1	87.4
0°-60°	1096.9	99.2
0°-90°	1106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1159	
5°	1106	102
15°	914	257
25°	755	343
35°	430	264
45°	120	99
55°	34	32
65°	7	7
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1158.9
1°	1153.9
2°	1145.5
3°	1134.6
4°	1121.4
5°	1105.6
6°	1087.6
7°	1067.0
8°	1045.1
9°	1022.3
10°	1001.5
11°	981.4
12°	962.6
13°	945.4
14°	929.6
15°	914.0
16°	898.1
17°	882.8
18°	867.0
19°	851.4
20°	836.3
21°	820.7
22°	805.7
23°	789.8
24°	773.2
25°	754.7
26°	734.3
27°	711.9
28°	687.0
29°	659.3
30°	628.9
32.5°	539.8
35°	429.9
37.5°	318.4
40°	225.4
42.5°	161.4
45°	119.7
47.5°	90.1
50°	66.6
52.5°	47.6
55°	33.8
57.5°	23.3
60°	15.3
62.5°	10.0
65°	6.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.5
70°	2.9
72.5°	1.8
75°	1.3
77.5°	0.8
80°	0.5
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)