

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: P244417

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244417  
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 EC8B15935 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1281.0 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

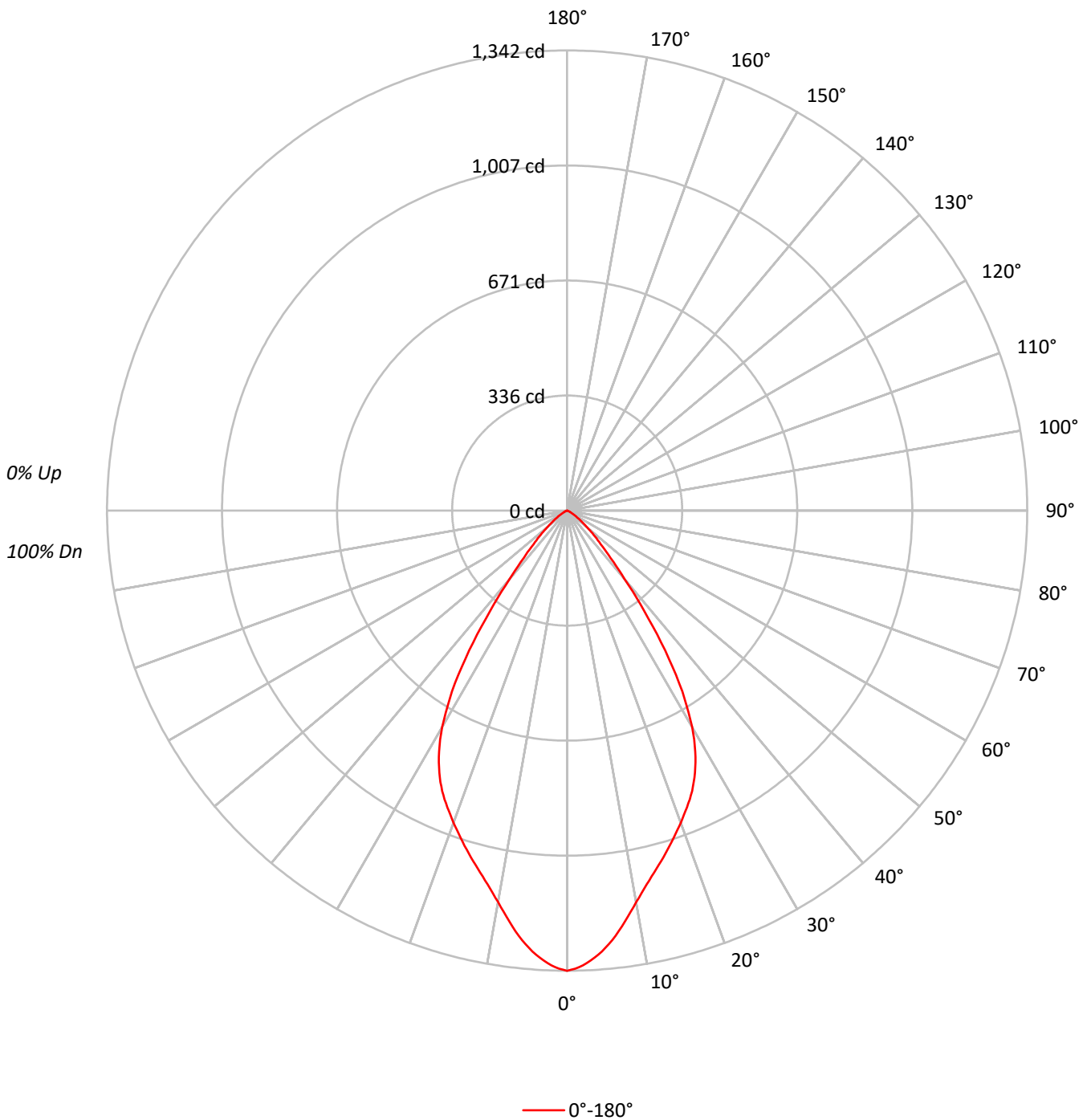
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	41392
5°	39637
10°	36319
15°	33795
20°	31785
25°	29740
30°	25936
35°	18743
40°	10510
45°	6044
50°	3699
55°	2107
60°	1098
65°	562
70°	307
75°	179
80°	107
85°	106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	9.2
10°-20°	297.6	23.2
20°-30°	397.1	31.0
30°-40°	306.1	23.9
40°-50°	114.1	8.9
50°-60°	37.3	2.9
60°-70°	8.6	0.7
70°-80°	1.7	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°	812.9	63.5
0°-40°	1119.0	87.4
0°-60°	1270.4	99.2
0°-90°	1281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1342	
5°	1280	118
15°	1059	298
25°	874	397
35°	498	306
45°	139	114
55°	39	37
65°	8	9
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1342.3
1°	1336.5
2°	1326.7
3°	1314.2
4°	1298.9
5°	1280.5
6°	1259.7
7°	1235.8
8°	1210.4
9°	1184.1
10°	1159.9
11°	1136.7
12°	1114.9
13°	1095.0
14°	1076.7
15°	1058.6
16°	1040.3
17°	1022.5
18°	1004.1
19°	986.1
20°	968.6
21°	950.6
22°	933.1
23°	914.8
24°	895.5
25°	874.1
26°	850.5
27°	824.5
28°	795.7
29°	763.6
30°	728.4
32.5°	625.3
35°	497.9
37.5°	368.8
40°	261.1
42.5°	187.0
45°	138.6
47.5°	104.4
50°	77.1
52.5°	55.1
55°	39.2
57.5°	26.9
60°	17.8
62.5°	11.6
65°	7.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.2
70°	3.4
72.5°	2.1
75°	1.5
77.5°	0.9
80°	0.6
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)