

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: P244381

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244381  
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 EC8B15830 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1444.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 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

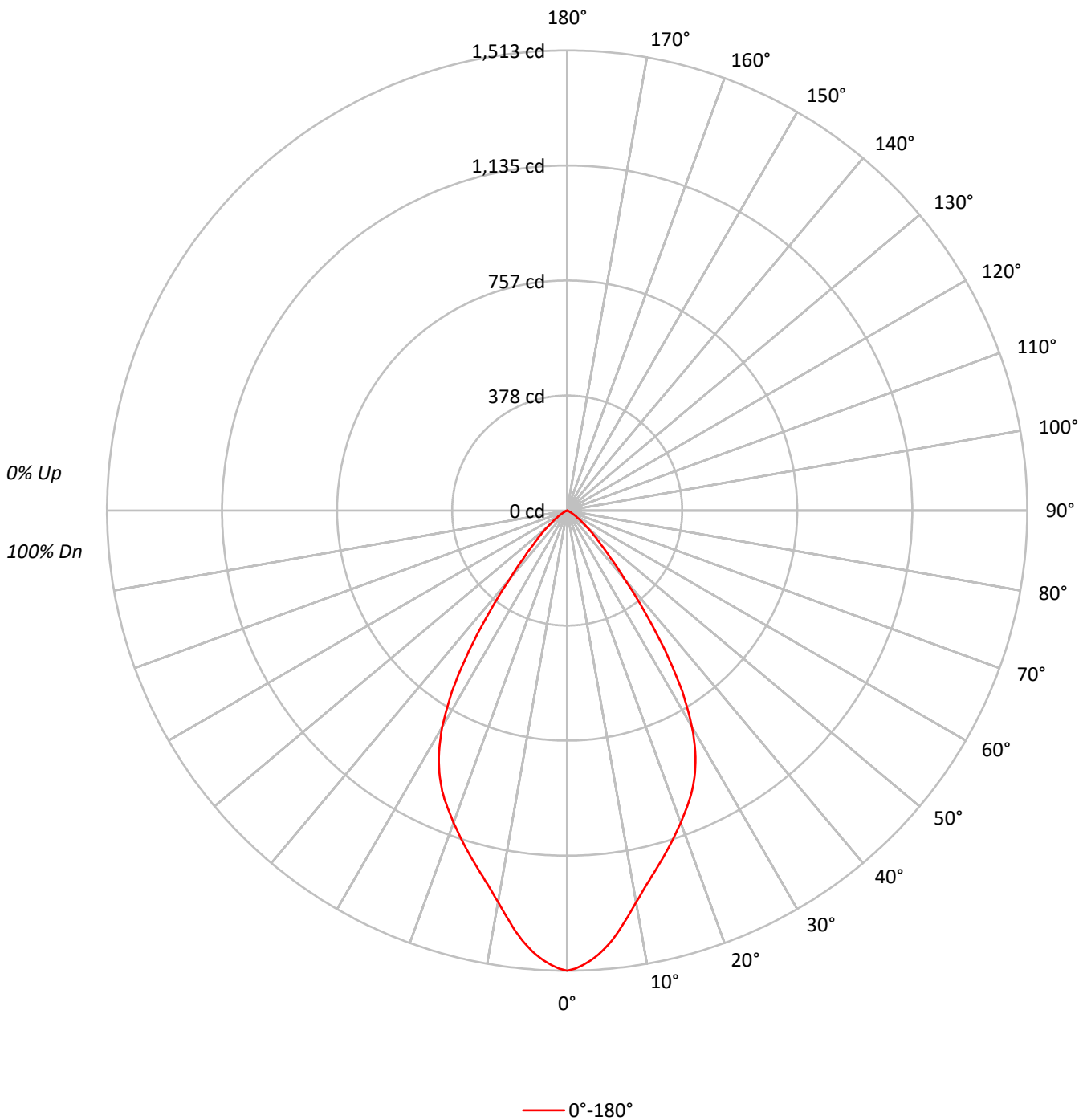
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	46658
5°	44679
10°	40940
15°	38095
20°	35831
25°	33524
30°	29237
35°	21130
40°	11847
45°	6816
50°	4169
55°	2376
60°	1233
65°	627
70°	343
75°	203
80°	124
85°	106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.3	9.2
10°-20°	335.5	23.2
20°-30°	447.6	31.0
30°-40°	345.0	23.9
40°-50°	128.6	8.9
50°-60°	42.1	2.9
60°-70°	9.7	0.7
70°-80°	1.9	0.1
80°-90°	0.3	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°	916.3	63.5
0°-40°	1261.4	87.4
0°-60°	1432.1	99.2
0°-90°	1444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1513	
5°	1443	133
15°	1193	335
25°	985	448
35°	561	345
45°	156	129
55°	44	42
65°	9	10
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1513.1
1°	1506.6
2°	1495.5
3°	1481.4
4°	1464.1
5°	1443.4
6°	1420.0
7°	1393.1
8°	1364.4
9°	1334.8
10°	1307.5
11°	1281.3
12°	1256.8
13°	1234.4
14°	1213.7
15°	1193.3
16°	1172.6
17°	1152.6
18°	1131.9
19°	1111.6
20°	1091.9
21°	1071.5
22°	1051.9
23°	1031.2
24°	1009.4
25°	985.3
26°	958.7
27°	929.4
28°	897.0
29°	860.7
30°	821.1
32.5°	704.8
35°	561.3
37.5°	415.7
40°	294.3
42.5°	210.8
45°	156.3
47.5°	117.6
50°	86.9
52.5°	62.1
55°	44.2
57.5°	30.4
60°	20.0
62.5°	13.1
65°	8.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.9
70°	3.8
72.5°	2.4
75°	1.7
77.5°	1.0
80°	0.7
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)