

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: P244285

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15950 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1415.0 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

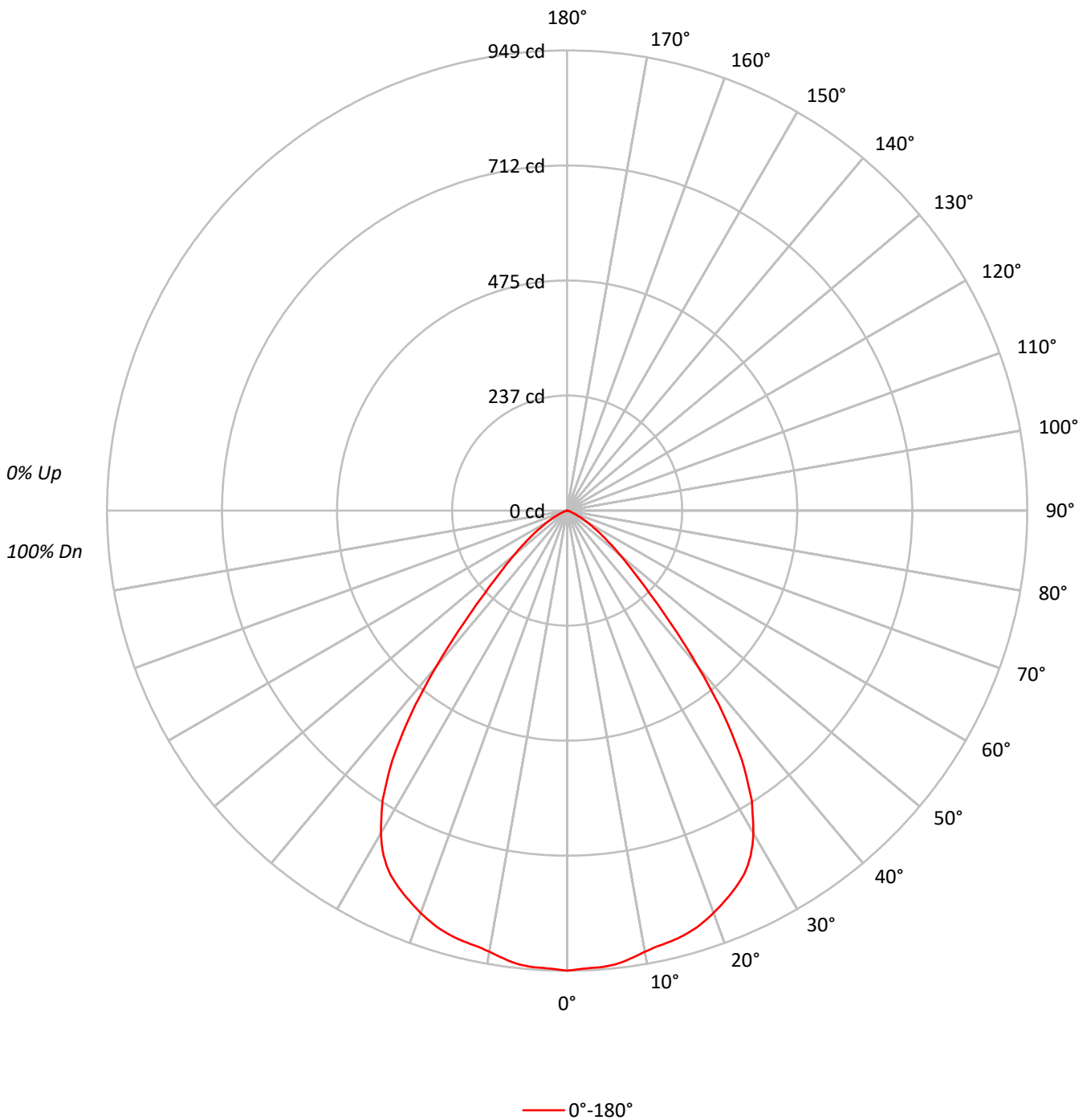
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	29257
5°	29193
10°	28929
15°	29038
20°	28976
25°	28693
30°	27346
35°	23678
40°	16891
45°	10379
50°	6846
55°	4527
60°	2899
65°	1583
70°	775
75°	393
80°	213
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.4	6.3
10°-20°	256.5	18.1
20°-30°	386.1	27.3
30°-40°	382.2	27.0
40°-50°	194.2	13.7
50°-60°	78.2	5.5
60°-70°	23.7	1.7
70°-80°	4.1	0.3
80°-90°	0.5	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°	732.0	51.7
0°-40°	1114.2	78.7
0°-60°	1386.7	98.0
0°-90°	1415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	949	
5°	943	89
15°	910	257
25°	843	386
35°	629	382
45°	238	194
55°	84	78
65°	22	24
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	948.8
1°	946.8
2°	945.1
3°	944.7
4°	944.3
5°	943.1
6°	941.5
7°	938.2
8°	933.3
9°	928.8
10°	923.9
11°	919.8
12°	916.9
13°	914.9
14°	912.4
15°	909.6
16°	905.9
17°	901.4
18°	896.1
19°	889.9
20°	883.0
21°	875.6
22°	868.2
23°	860.5
24°	852.3
25°	843.3
26°	833.5
27°	820.8
28°	806.1
29°	788.5
30°	768.0
32.5°	708.3
35°	629.0
37.5°	530.0
40°	419.6
42.5°	317.0
45°	238.0
47.5°	182.0
50°	142.7
52.5°	110.8
55°	84.2
57.5°	62.6
60°	47.0
62.5°	33.5
65°	21.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.5
70°	8.6
72.5°	5.3
75°	3.3
77.5°	2.0
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)