

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: P243799

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15827 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1526.0 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

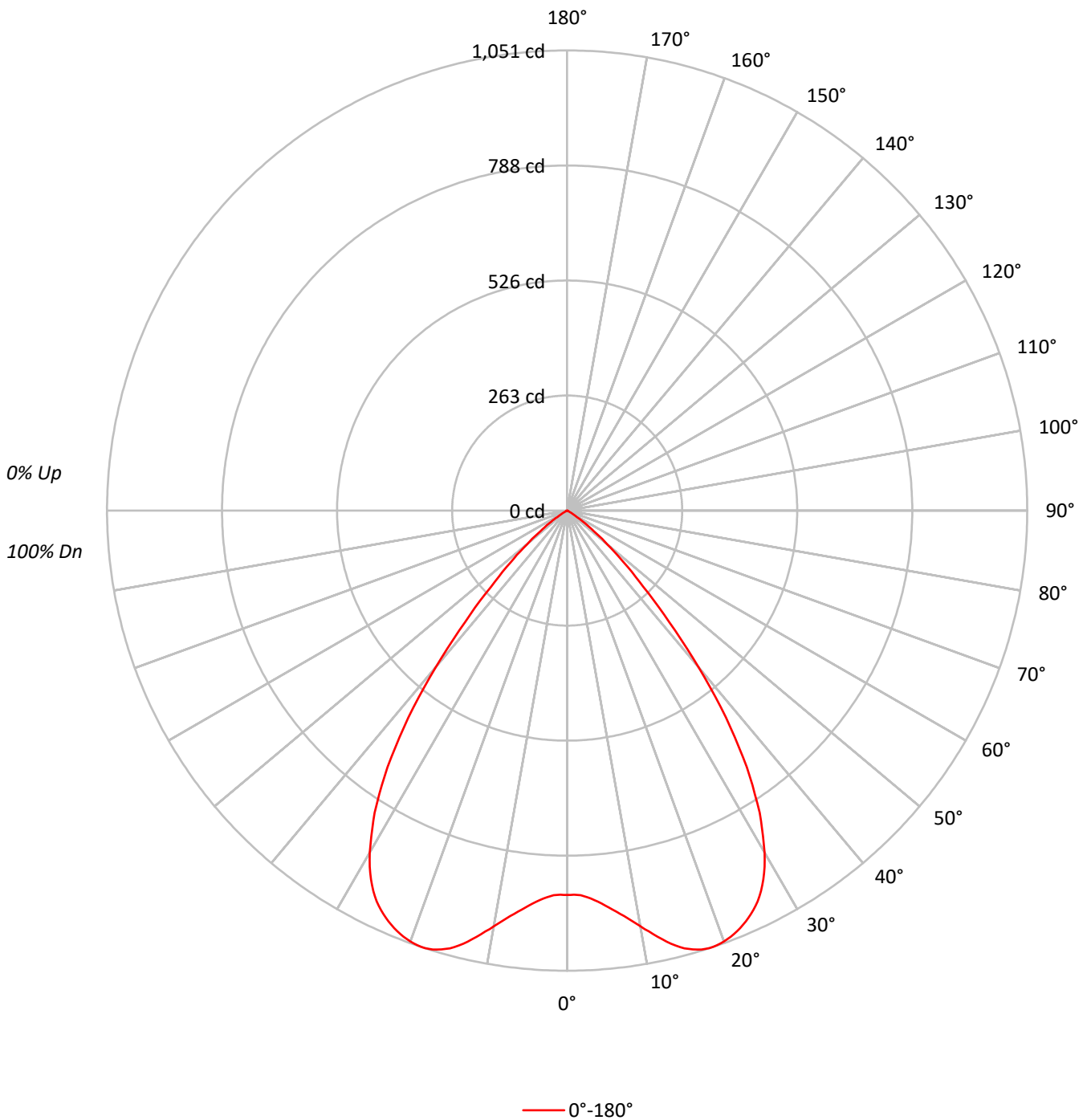
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77					77			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70					70			
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58					58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54					54			
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49					49			
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45					45			
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42					42			

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

	0°
0°	27074
5°	27877
10°	30197
15°	33041
20°	34374
25°	34249
30°	32124
35°	26938
40°	18754
45°	10741
50°	5766
55°	2382
60°	592
65°	153
70°	72
75°	48
80°	71
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	5.8
10°-20°	291.7	19.1
20°-30°	459.0	30.1
30°-40°	436.6	28.6
40°-50°	201.3	13.2
50°-60°	45.7	3.0
60°-70°	3.0	0.2
70°-80°	0.6	0.0
80°-90°	0.1	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°	838.7	55.0
0°-40°	1275.3	83.6
0°-60°	1522.3	99.8
0°-90°	1526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	878	
5°	901	88
15°	1035	292
25°	1007	459
35°	716	437
45°	246	201
55°	44	46
65°	2	3
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	878.0
1°	877.6
2°	879.3
3°	884.3
4°	891.8
5°	900.6
6°	911.4
7°	923.1
8°	935.2
9°	949.4
10°	964.4
11°	979.5
12°	995.3
13°	1010.4
14°	1024.1
15°	1035.0
16°	1042.9
17°	1048.4
18°	1050.9
19°	1050.4
20°	1047.5
21°	1042.5
22°	1036.2
23°	1027.9
24°	1018.3
25°	1006.6
26°	992.8
27°	975.3
28°	954.4
29°	930.2
30°	902.2
32.5°	818.3
35°	715.6
37.5°	596.2
40°	465.9
42.5°	344.4
45°	246.3
47.5°	174.5
50°	120.2
52.5°	76.8
55°	44.3
57.5°	22.1
60°	9.6
62.5°	3.8
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	0.8
72.5°	0.8
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)