

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: P244249

Luminaire Tested: **LSR8B15D010 EC8B15840 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244249  
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 EC8B15840 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1524.9 lumens  
Efficiency: N/A  
Efficacy: 105.9 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

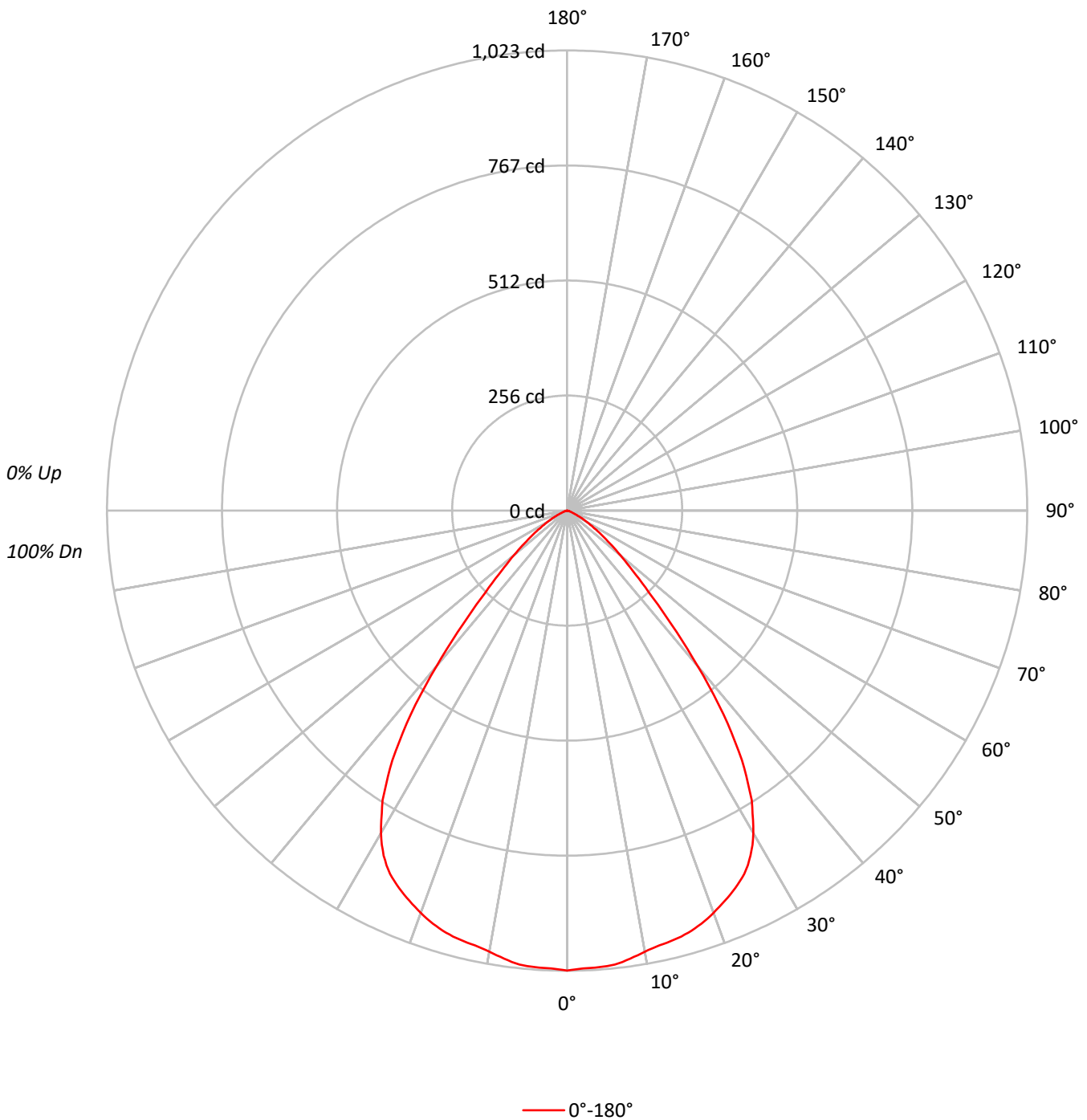
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	31533
5°	31462
10°	31177
15°	31295
20°	31227
25°	30925
30°	29475
35°	25519
40°	18203
45°	11186
50°	7378
55°	4882
60°	3127
65°	1707
70°	838
75°	417
80°	231
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	6.3
10°-20°	276.5	18.1
20°-30°	416.1	27.3
30°-40°	411.9	27.0
40°-50°	209.3	13.7
50°-60°	84.3	5.5
60°-70°	25.5	1.7
70°-80°	4.4	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°	788.9	51.7
0°-40°	1200.9	78.7
0°-60°	1494.5	98.0
0°-90°	1524.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1524.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1023	
5°	1016	96
15°	980	276
25°	909	416
35°	678	412
45°	256	209
55°	91	84
65°	23	26
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1022.6
1°	1020.4
2°	1018.6
3°	1018.2
4°	1017.7
5°	1016.4
6°	1014.6
7°	1011.1
8°	1005.8
9°	1001.0
10°	995.7
11°	991.3
12°	988.2
13°	986.0
14°	983.3
15°	980.3
16°	976.3
17°	971.4
18°	965.7
19°	959.1
20°	951.6
21°	943.7
22°	935.7
23°	927.4
24°	918.6
25°	908.9
26°	898.3
27°	884.6
28°	868.7
29°	849.8
30°	827.8
32.5°	763.4
35°	677.9
37.5°	571.2
40°	452.2
42.5°	341.6
45°	256.5
47.5°	196.1
50°	153.8
52.5°	119.4
55°	90.8
57.5°	67.4
60°	50.7
62.5°	36.1
65°	23.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	14.5
70°	9.3
72.5°	5.7
75°	3.5
77.5°	2.2
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)