

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: P244255

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244255  
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 EC8B15850 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1555.0 lumens  
Efficiency: N/A  
Efficacy: 108.0 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

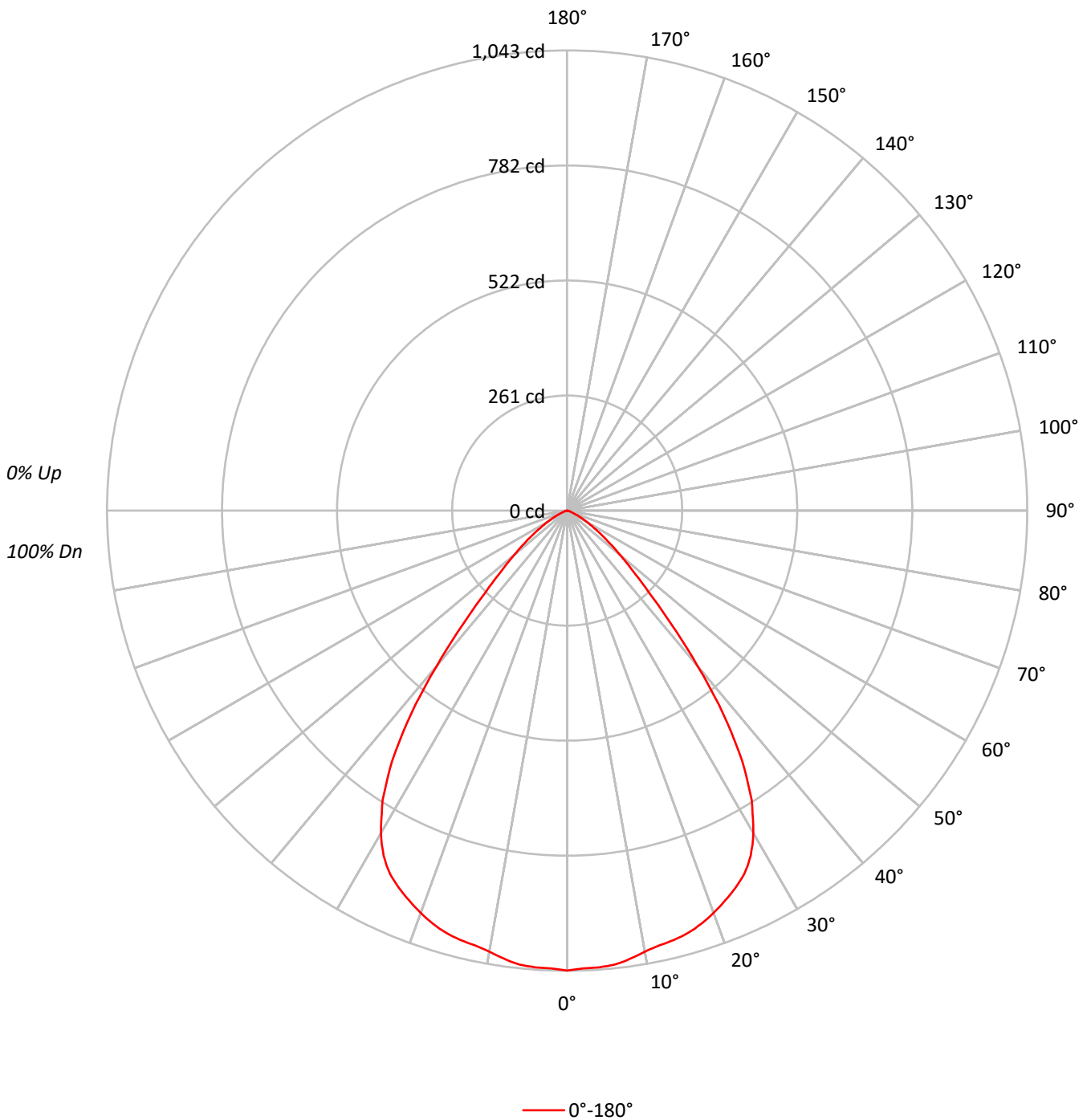
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	32153
5°	32081
10°	31791
15°	31908
20°	31841
25°	31530
30°	30052
35°	26020
40°	18561
45°	11408
50°	7527
55°	4978
60°	3188
65°	1737
70°	847
75°	429
80°	231
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	6.3
10°-20°	281.9	18.1
20°-30°	424.3	27.3
30°-40°	420.0	27.0
40°-50°	213.4	13.7
50°-60°	86.0	5.5
60°-70°	26.0	1.7
70°-80°	4.5	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°	804.4	51.7
0°-40°	1224.5	78.7
0°-60°	1523.9	98.0
0°-90°	1555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1555.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1043	
5°	1036	98
15°	1000	282
25°	927	424
35°	691	420
45°	262	213
55°	93	86
65°	24	26
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1042.7
1°	1040.4
2°	1038.6
3°	1038.2
4°	1037.7
5°	1036.4
6°	1034.6
7°	1031.0
8°	1025.6
9°	1020.7
10°	1015.3
11°	1010.8
12°	1007.6
13°	1005.4
14°	1002.7
15°	999.5
16°	995.5
17°	990.6
18°	984.7
19°	978.0
20°	970.3
21°	962.2
22°	954.2
23°	945.6
24°	936.6
25°	926.7
26°	915.9
27°	902.0
28°	885.8
29°	866.5
30°	844.0
32.5°	778.4
35°	691.2
37.5°	582.5
40°	461.1
42.5°	348.3
45°	261.6
47.5°	200.0
50°	156.9
52.5°	121.8
55°	92.6
57.5°	68.8
60°	51.7
62.5°	36.9
65°	23.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	14.8
70°	9.4
72.5°	5.8
75°	3.6
77.5°	2.2
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)