

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: P244291

Luminaire Tested: **LSR8B15D010 EC8B15927 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244291  
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 EC8B15927 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1202.6 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

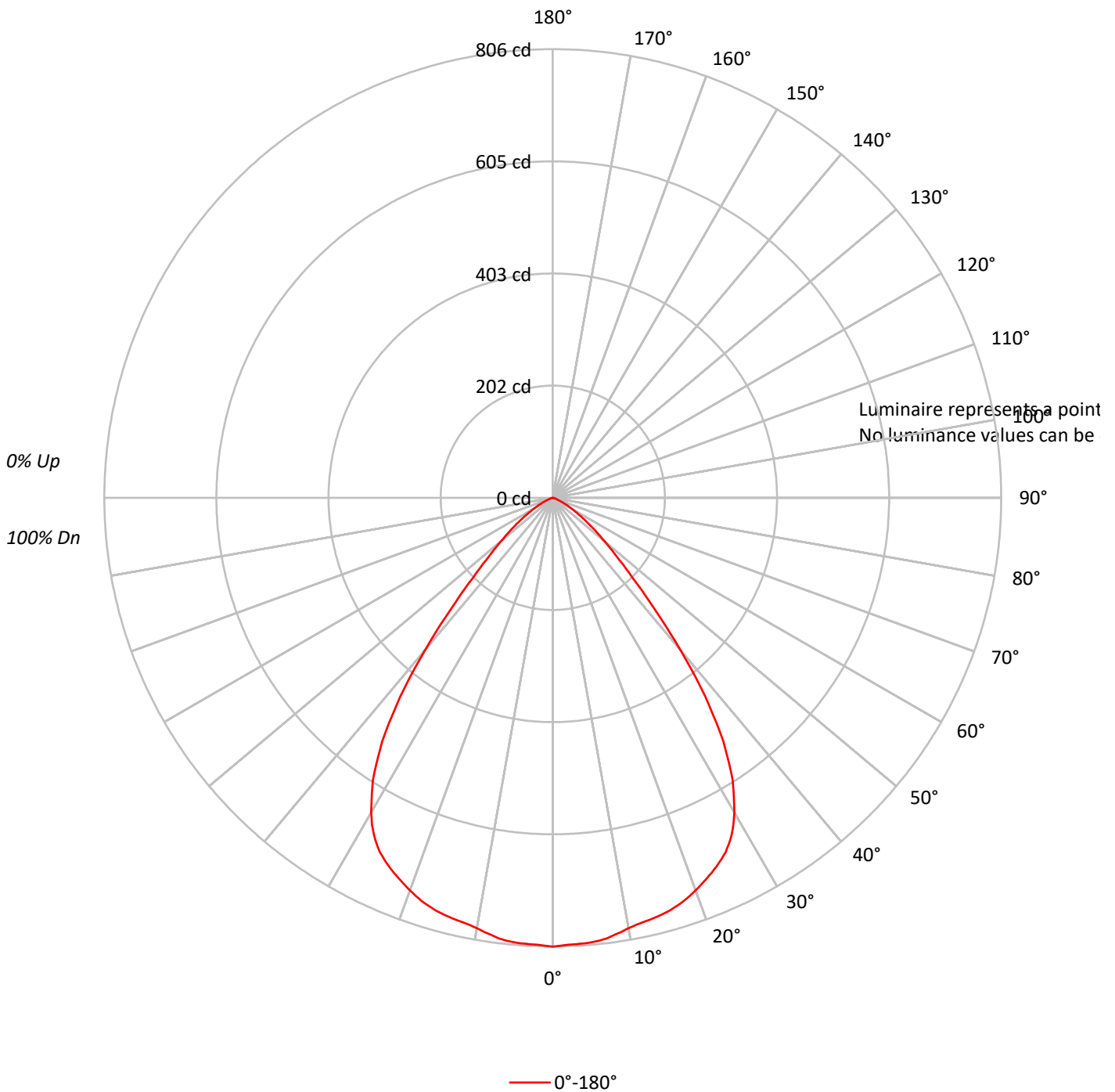
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	6.3
10°-20°	218.0	18.1
20°-30°	328.1	27.3
30°-40°	324.8	27.0
40°-50°	165.1	13.7
50°-60°	66.5	5.5
60°-70°	20.1	1.7
70°-80°	3.5	0.3
80°-90°	0.4	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°	622.2	51.7
0°-40°	947.0	78.7
0°-60°	1178.6	98.0
0°-90°	1202.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	806	
5°	802	76
15°	773	218
25°	717	328
35°	535	325
45°	202	165
55°	72	66
65°	18	20
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	806.4
1°	804.7
2°	803.2
3°	802.9
4°	802.6
5°	801.6
6°	800.1
7°	797.4
8°	793.2
9°	789.4
10°	785.2
11°	781.8
12°	779.3
13°	777.6
14°	775.5
15°	773.0
16°	769.9
17°	766.1
18°	761.6
19°	756.3
20°	750.5
21°	744.2
22°	737.9
23°	731.4
24°	724.4
25°	716.7
26°	708.4
27°	697.6
28°	685.1
29°	670.2
30°	652.7
32.5°	602.0
35°	534.6
37.5°	450.4
40°	356.6
42.5°	269.4
45°	202.3
47.5°	154.7
50°	121.3
52.5°	94.2
55°	71.6
57.5°	53.2
60°	39.9
62.5°	28.5
65°	18.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	11.5
70°	7.3
72.5°	4.5
75°	2.8
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)