

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: P244443

Luminaire Tested: **LSR8B30D010 EC8B309730 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B309730 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2246.0 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

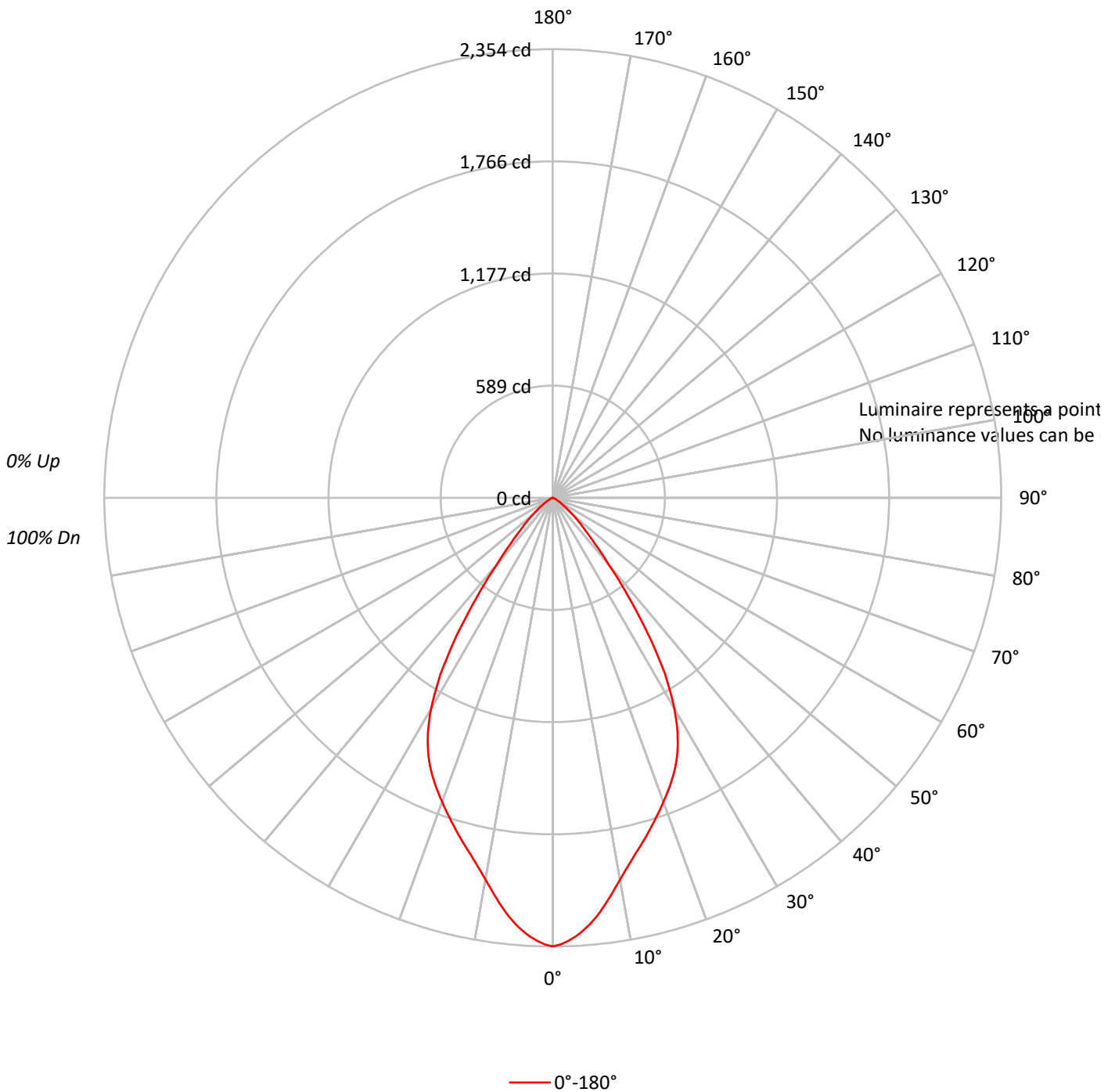
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.3	9.2
10°-20°	521.8	23.2
20°-30°	696.2	31.0
30°-40°	536.6	23.9
40°-50°	200.1	8.9
50°-60°	65.4	2.9
60°-70°	15.1	0.7
70°-80°	3.0	0.1
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°	1425.3	63.5
0°-40°	1961.9	87.4
0°-60°	2227.4	99.2
0°-90°	2246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2354	
5°	2245	207
15°	1856	522
25°	1532	696
35°	873	537
45°	243	200
55°	69	65
65°	13	15
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2353.5
1°	2343.3
2°	2326.1
3°	2304.1
4°	2277.3
5°	2245.1
6°	2208.6
7°	2166.8
8°	2122.2
9°	2076.1
10°	2033.7
11°	1992.9
12°	1954.8
13°	1919.9
14°	1887.7
15°	1856.1
16°	1823.9
17°	1792.8
18°	1760.6
19°	1728.9
20°	1698.3
21°	1666.7
22°	1636.1
23°	1603.9
24°	1570.1
25°	1532.5
26°	1491.2
27°	1445.6
28°	1395.1
29°	1338.8
30°	1277.1
32.5°	1096.3
35°	873.0
37.5°	646.6
40°	457.7
42.5°	327.9
45°	243.1
47.5°	183.0
50°	135.2
52.5°	96.6
55°	68.7
57.5°	47.2
60°	31.1
62.5°	20.4
65°	13.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9.1
70°	5.9
72.5°	3.8
75°	2.7
77.5°	1.6
80°	1.1
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)