

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: P244437

Luminaire Tested: **LSR8B30D010 EC8B309727 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244437
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 EC8B309727 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 2123.0 lumens
Efficiency: N/A
Efficacy: 78.3 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

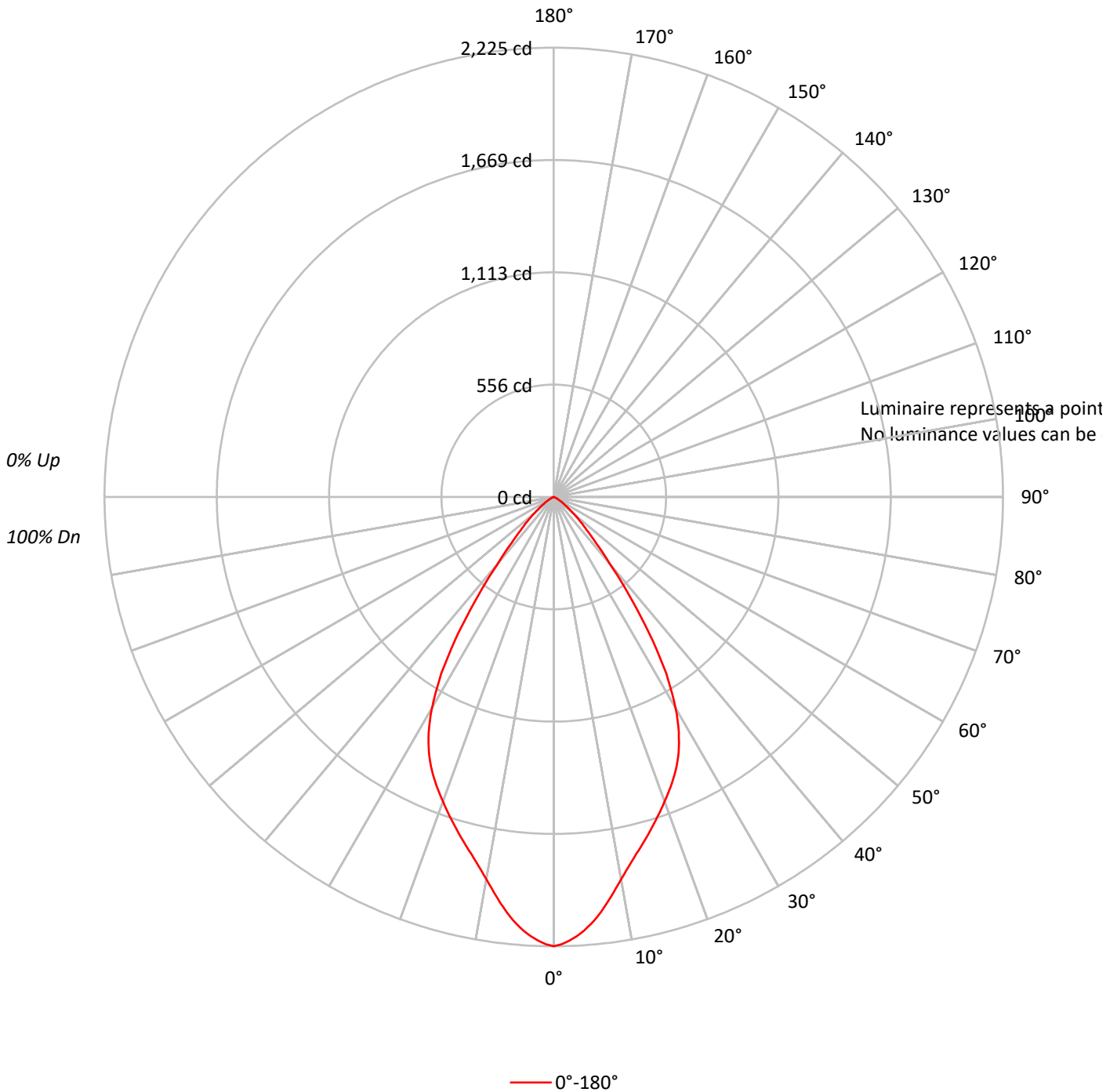
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	195.9	9.2
10°-20°	493.2	23.2
20°-30°	658.1	31.0
30°-40°	507.2	23.9
40°-50°	189.1	8.9
50°-60°	61.8	2.9
60°-70°	14.3	0.7
70°-80°	2.9	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°	1347.2	63.5
0°-40°	1854.5	87.4
0°-60°	2105.4	99.2
0°-90°	2123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2225	
5°	2122	196
15°	1754	493
25°	1449	658
35°	825	507
45°	230	189
55°	65	62
65°	13	14
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2224.6
1°	2215.0
2°	2198.8
3°	2178.0
4°	2152.6
5°	2122.2
6°	2087.7
7°	2048.1
8°	2006.0
9°	1962.4
10°	1922.3
11°	1883.8
12°	1847.8
13°	1814.8
14°	1784.4
15°	1754.4
16°	1724.0
17°	1694.6
18°	1664.2
19°	1634.2
20°	1605.3
21°	1575.4
22°	1546.5
23°	1516.0
24°	1484.1
25°	1448.6
26°	1409.5
27°	1366.4
28°	1318.7
29°	1265.5
30°	1207.2
32.5°	1036.2
35°	825.2
37.5°	611.2
40°	432.6
42.5°	309.9
45°	229.8
47.5°	173.0
50°	127.8
52.5°	91.3
55°	64.9
57.5°	44.6
60°	29.4
62.5°	19.3
65°	12.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.6
70°	5.6
72.5°	3.6
75°	2.5
77.5°	1.5
80°	1.0
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)