

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: P244435

Luminaire Tested: **LSR8B15D010 EC8B159727 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244435
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: LSR8B15D010 EC8B159727 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: 1045.9 lumens
Efficiency: N/A
Efficacy: 72.6 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

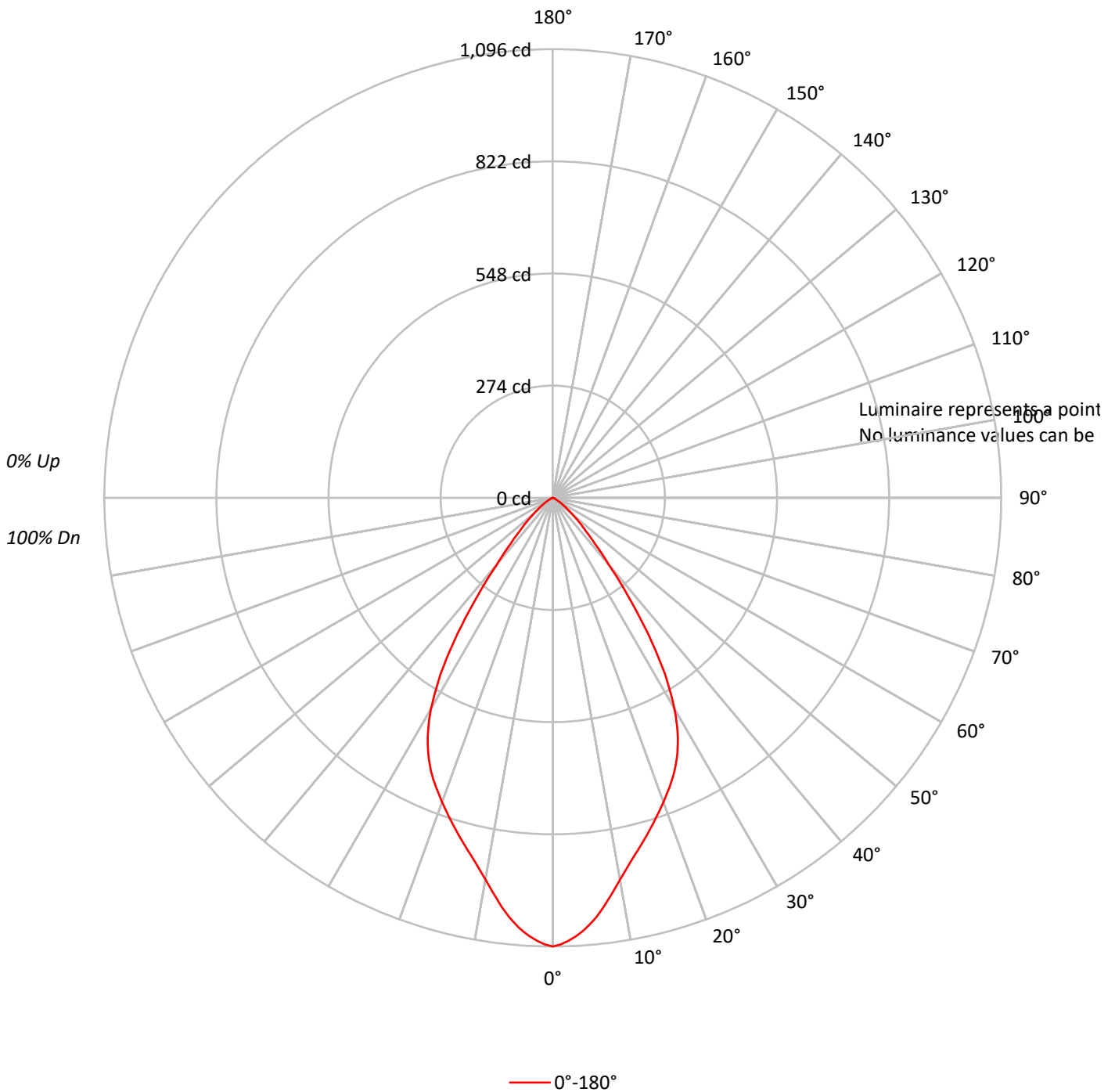
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	96.5	9.2
10°-20°	243.0	23.2
20°-30°	324.2	31.0
30°-40°	249.9	23.9
40°-50°	93.2	8.9
50°-60°	30.5	2.9
60°-70°	7.0	0.7
70°-80°	1.4	0.1
80°-90°	0.2	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°	663.8	63.5
0°-40°	913.7	87.4
0°-60°	1037.4	99.2
0°-90°	1045.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1096	
5°	1046	97
15°	864	243
25°	714	324
35°	407	250
45°	113	93
55°	32	30
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1096.1
1°	1091.3
2°	1083.3
3°	1073.1
4°	1060.6
5°	1045.6
6°	1028.6
7°	1009.1
8°	988.4
9°	966.9
10°	947.1
11°	928.1
12°	910.4
13°	894.1
14°	879.2
15°	864.4
16°	849.4
17°	834.9
18°	819.9
19°	805.2
20°	790.9
21°	776.2
22°	762.0
23°	747.0
24°	731.2
25°	713.7
26°	694.5
27°	673.2
28°	649.7
29°	623.5
30°	594.8
32.5°	510.5
35°	406.6
37.5°	301.1
40°	213.2
42.5°	152.7
45°	113.2
47.5°	85.2
50°	63.0
52.5°	45.0
55°	32.0
57.5°	22.0
60°	14.5
62.5°	9.5
65°	6.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	2.7
72.5°	1.7
75°	1.2
77.5°	0.7
80°	0.5
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)