

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: P246745

Luminaire Tested: **LSR8B15D010 EC8B159730 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B159730 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1129.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

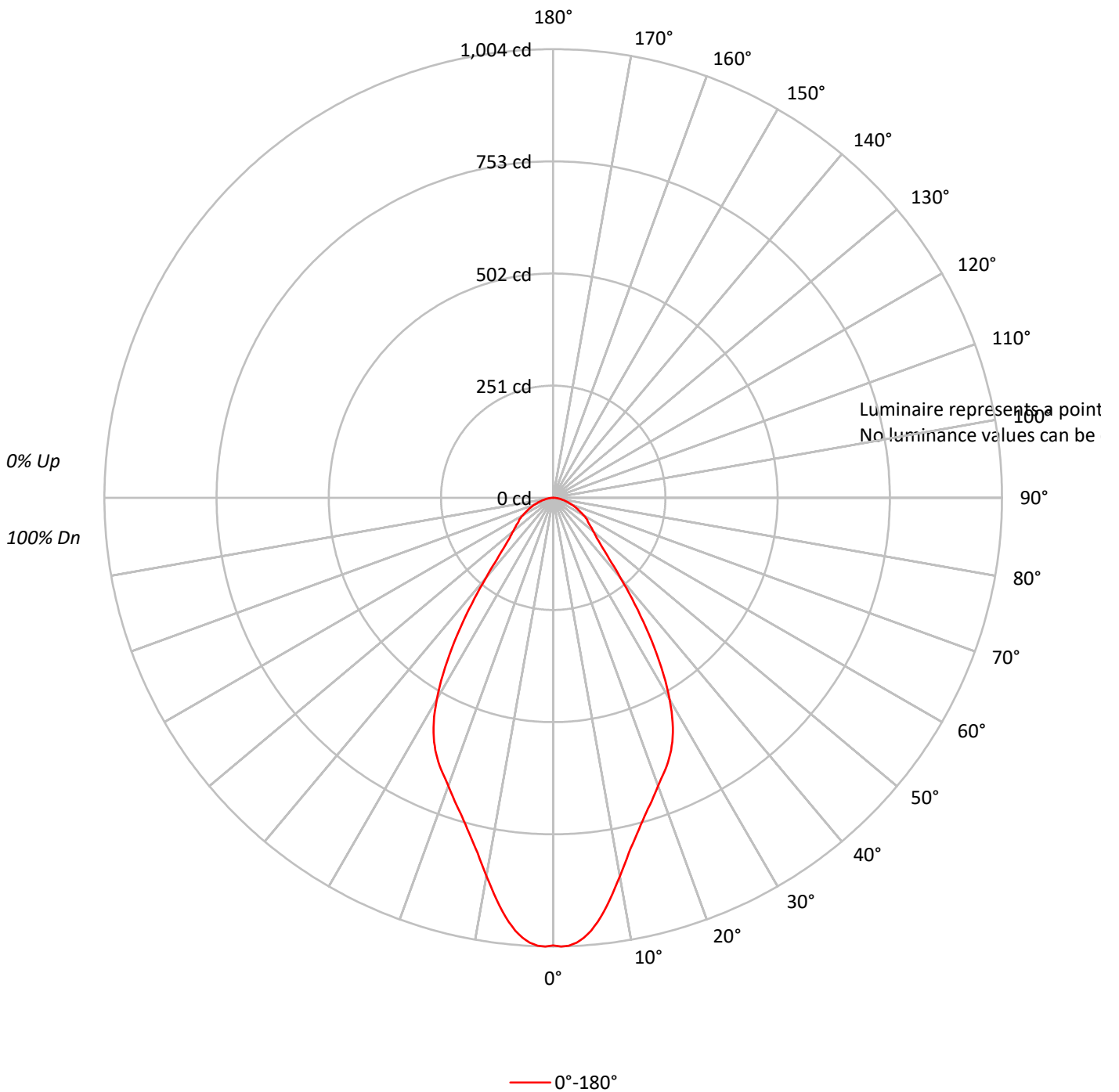
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	7.9
10°-20°	213.6	18.9
20°-30°	283.1	25.1
30°-40°	232.1	20.6
40°-50°	123.6	11.0
50°-60°	87.0	7.7
60°-70°	60.0	5.3
70°-80°	31.2	2.8
80°-90°	9.3	0.8
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°	585.7	51.9
0°-40°	817.8	72.4
0°-60°	1028.5	91.1
0°-90°	1129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1002	
5°	972	89
15°	758	214
25°	624	283
35°	373	232
45°	153	124
55°	96	87
65°	60	60
75°	30	31
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1001.5
1°	1004.4
2°	1003.1
3°	997.2
4°	987.0
5°	972.4
6°	954.1
7°	932.2
8°	908.7
9°	883.6
10°	859.4
11°	836.2
12°	812.7
13°	793.1
14°	774.5
15°	757.5
16°	741.5
17°	726.7
18°	713.0
19°	699.3
20°	686.2
21°	673.5
22°	662.4
23°	651.0
24°	637.6
25°	623.5
26°	607.6
27°	589.6
28°	569.3
29°	546.8
30°	520.9
31°	493.9
32°	465.4
33°	435.1
34°	404.6
35°	373.4
37.5°	299.2
40°	234.5
42.5°	185.2
45°	152.6
47.5°	131.0
50°	117.6
52.5°	105.9
55°	95.7
57.5°	89.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	79.1
62.5°	68.9
65°	60.1
67.5°	52.3
70°	43.8
72.5°	36.5
75°	29.8
77.5°	21.5
80°	17.6
82.5°	12.7
85°	8.5
87.5°	4.0
90°	0.0

(END OF REPORT)