

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: P246739

Luminaire Tested: **LSR8B15D010 EC8B15927 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246739
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 EC8B15927 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.3 lumens
Efficiency: N/A
Efficacy: 83.4 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

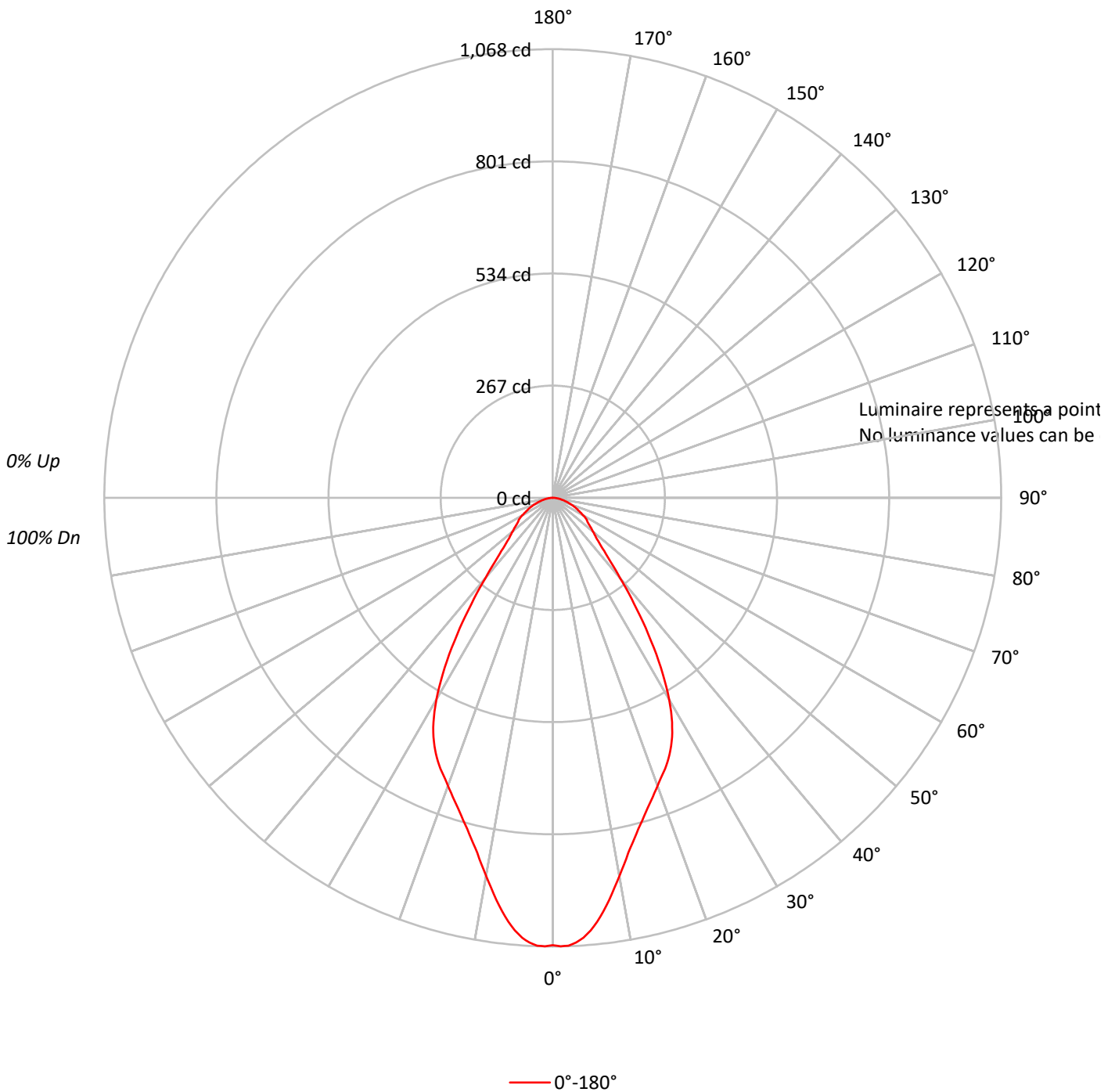
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	94.6	7.9
10°-20°	227.1	18.9
20°-30°	301.0	25.1
30°-40°	246.8	20.6
40°-50°	131.5	11.0
50°-60°	92.5	7.7
60°-70°	63.8	5.3
70°-80°	33.2	2.8
80°-90°	9.8	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°	622.7	51.9
0°-40°	869.5	72.4
0°-60°	1093.5	91.1
0°-90°	1200.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1065	
5°	1034	95
15°	805	227
25°	663	301
35°	397	247
45°	162	131
55°	102	93
65°	64	64
75°	32	33
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1064.8
1°	1067.9
2°	1066.6
3°	1060.2
4°	1049.4
5°	1033.9
6°	1014.4
7°	991.1
8°	966.2
9°	939.5
10°	913.7
11°	889.1
12°	864.1
13°	843.2
14°	823.4
15°	805.4
16°	788.3
17°	772.6
18°	758.1
19°	743.5
20°	729.7
21°	716.1
22°	704.2
23°	692.1
24°	677.9
25°	663.0
26°	646.0
27°	626.8
28°	605.2
29°	581.3
30°	553.8
31°	525.0
32°	494.9
33°	462.6
34°	430.2
35°	397.0
37.5°	318.0
40°	249.3
42.5°	196.9
45°	162.2
47.5°	139.3
50°	125.1
52.5°	112.6
55°	101.7
57.5°	95.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	84.0
62.5°	73.2
65°	63.9
67.5°	55.6
70°	46.6
72.5°	38.8
75°	31.6
77.5°	23.0
80°	18.7
82.5°	13.5
85°	9.0
87.5°	4.2
90°	0.0

(END OF REPORT)