

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 EC8B159727 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 EC8B159727 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: 1066.9 lumens
Efficiency: N/A
Efficacy: 74.1 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

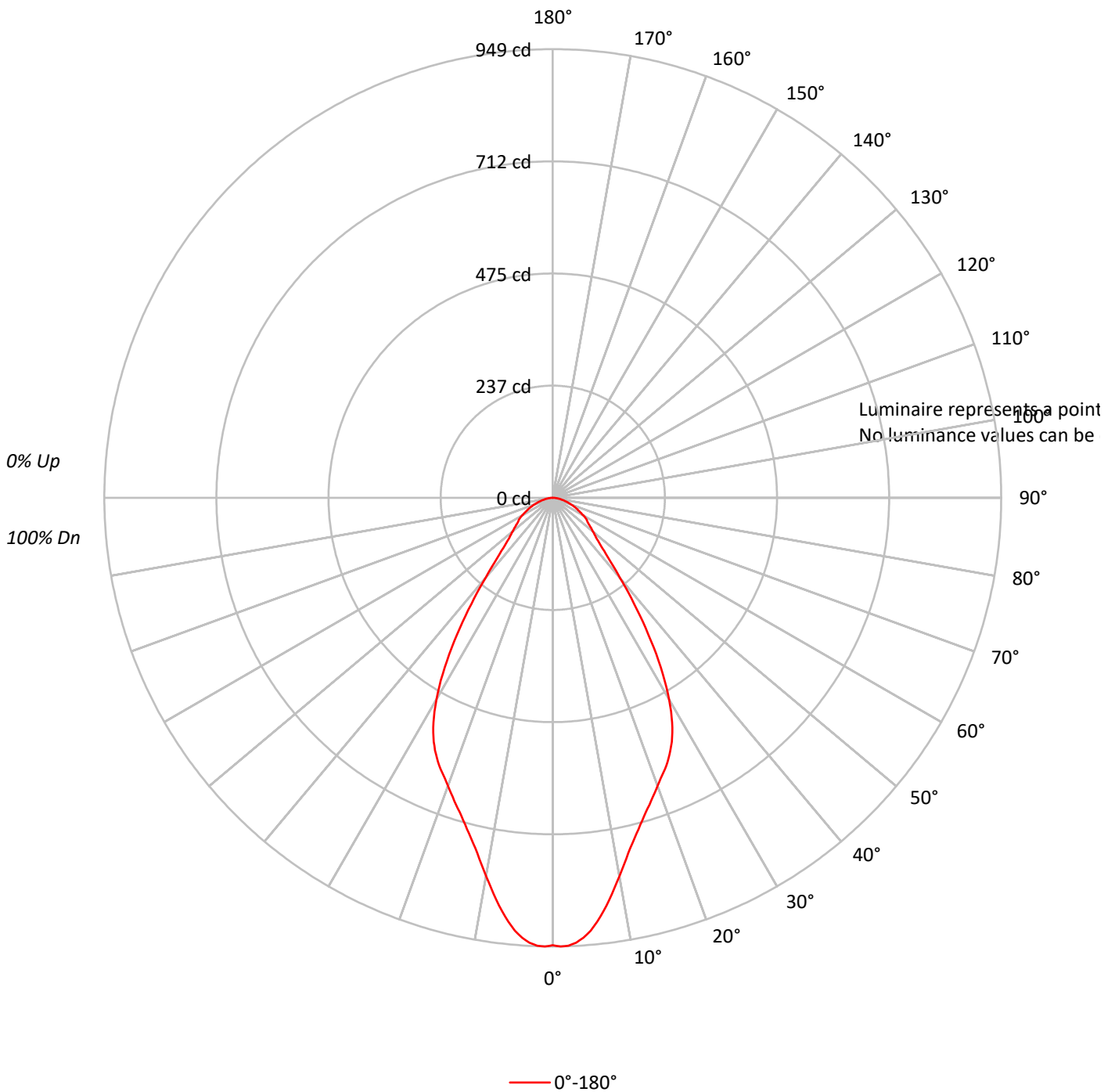
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	84.1	7.9
10°-20°	201.9	18.9
20°-30°	267.5	25.1
30°-40°	219.4	20.6
40°-50°	116.9	11.0
50°-60°	82.3	7.7
60°-70°	56.7	5.3
70°-80°	29.5	2.8
80°-90°	8.7	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°	553.5	51.9
0°-40°	772.9	72.4
0°-60°	972.0	91.1
0°-90°	1066.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	919	84
15°	716	202
25°	589	268
35°	353	219
45°	144	117
55°	90	82
65°	57	57
75°	28	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	946.5
1°	949.2
2°	948.1
3°	942.4
4°	932.8
5°	919.0
6°	901.7
7°	881.0
8°	858.8
9°	835.1
10°	812.2
11°	790.3
12°	768.1
13°	749.5
14°	731.9
15°	715.9
16°	700.7
17°	686.8
18°	673.9
19°	660.9
20°	648.6
21°	636.5
22°	626.0
23°	615.2
24°	602.6
25°	589.3
26°	574.2
27°	557.2
28°	538.0
29°	516.7
30°	492.3
31°	466.7
32°	439.9
33°	411.2
34°	382.4
35°	352.9
37.5°	282.7
40°	221.6
42.5°	175.0
45°	144.2
47.5°	123.8
50°	111.2
52.5°	100.1
55°	90.4
57.5°	84.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	74.7
62.5°	65.1
65°	56.8
67.5°	49.4
70°	41.4
72.5°	34.5
75°	28.1
77.5°	20.4
80°	16.6
82.5°	12.0
85°	8.0
87.5°	3.7
90°	0.0

(END OF REPORT)