

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: P247328

Luminaire Tested: **LSR8B100D010 EC8B1009727 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B1009727 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7203.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

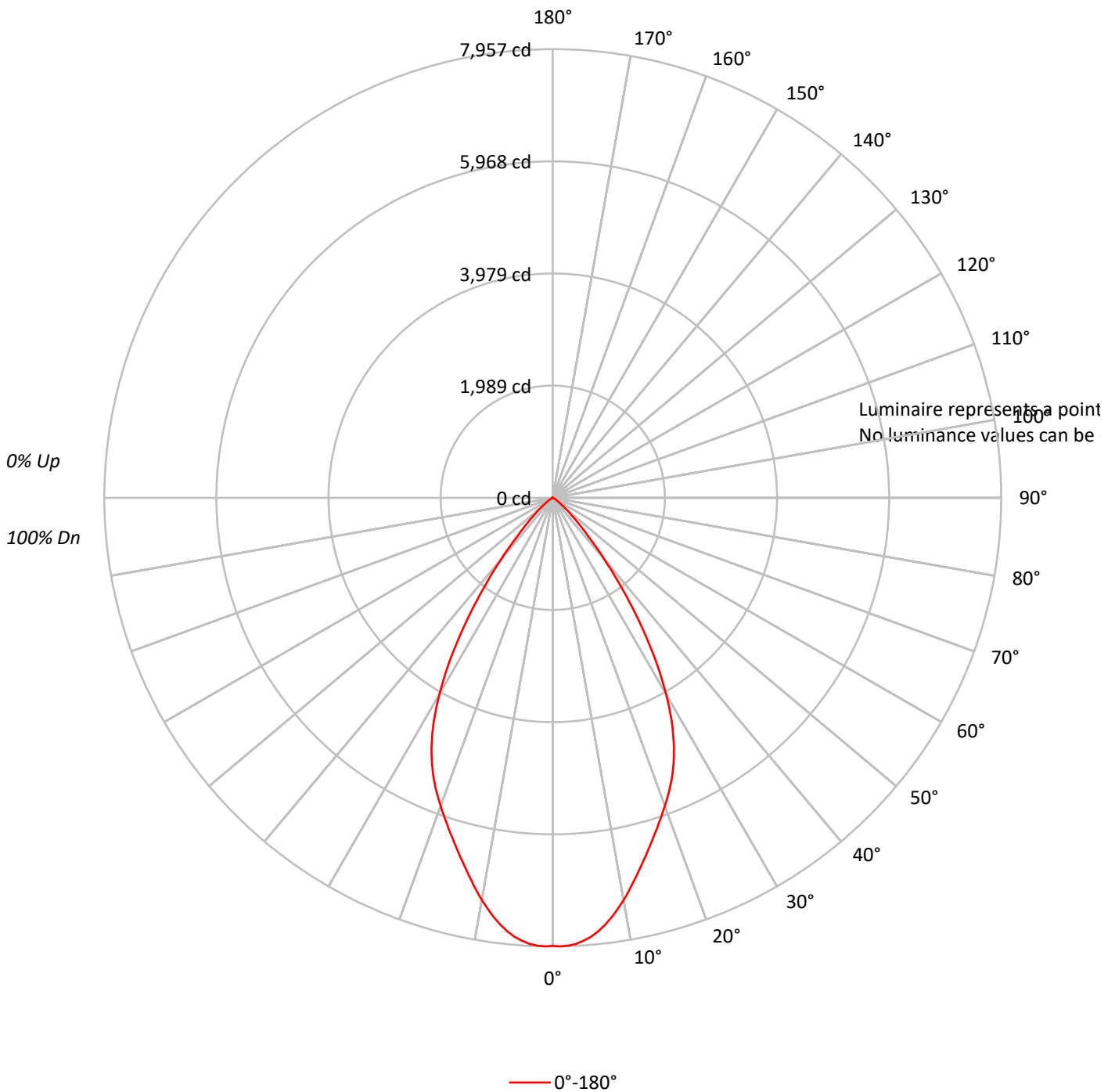
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.1	10.1
10°-20°	1823.2	25.3
20°-30°	2301.6	32.0
30°-40°	1655.6	23.0
40°-50°	548.0	7.6
50°-60°	119.4	1.7
60°-70°	24.6	0.3
70°-80°	2.4	0.0
80°-90°	1.2	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°	4851.9	67.4
0°-40°	6507.5	90.3
0°-60°	7174.8	99.6
0°-90°	7203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7203.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7946	
5°	7813	727
15°	6495	1823
25°	5083	2302
35°	2668	1656
45°	643	548
55°	117	119
65°	22	25
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7945.6
1°	7956.8
2°	7947.5
3°	7921.3
4°	7872.6
5°	7813.4
6°	7732.1
7°	7626.3
8°	7509.5
9°	7381.9
10°	7241.4
11°	7098.0
12°	6941.9
13°	6791.4
14°	6640.1
15°	6494.9
16°	6351.9
17°	6214.9
18°	6079.0
19°	5948.4
20°	5816.8
21°	5682.1
22°	5550.5
23°	5407.3
24°	5253.0
25°	5083.4
26°	4905.5
27°	4707.2
28°	4497.6
29°	4264.7
30°	4022.1
31°	3767.0
32°	3498.4
33°	3216.6
34°	2941.0
35°	2668.0
37.5°	2003.7
40°	1419.8
42.5°	961.9
45°	643.2
47.5°	431.5
50°	288.4
52.5°	174.1
55°	116.8
57.5°	81.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	48.3
62.5°	33.0
65°	22.1
67.5°	19.8
70°	1.8
72.5°	4.6
75°	1.8
77.5°	1.8
80°	0.0
82.5°	4.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)