

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: P250703

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B1009730 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7406.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

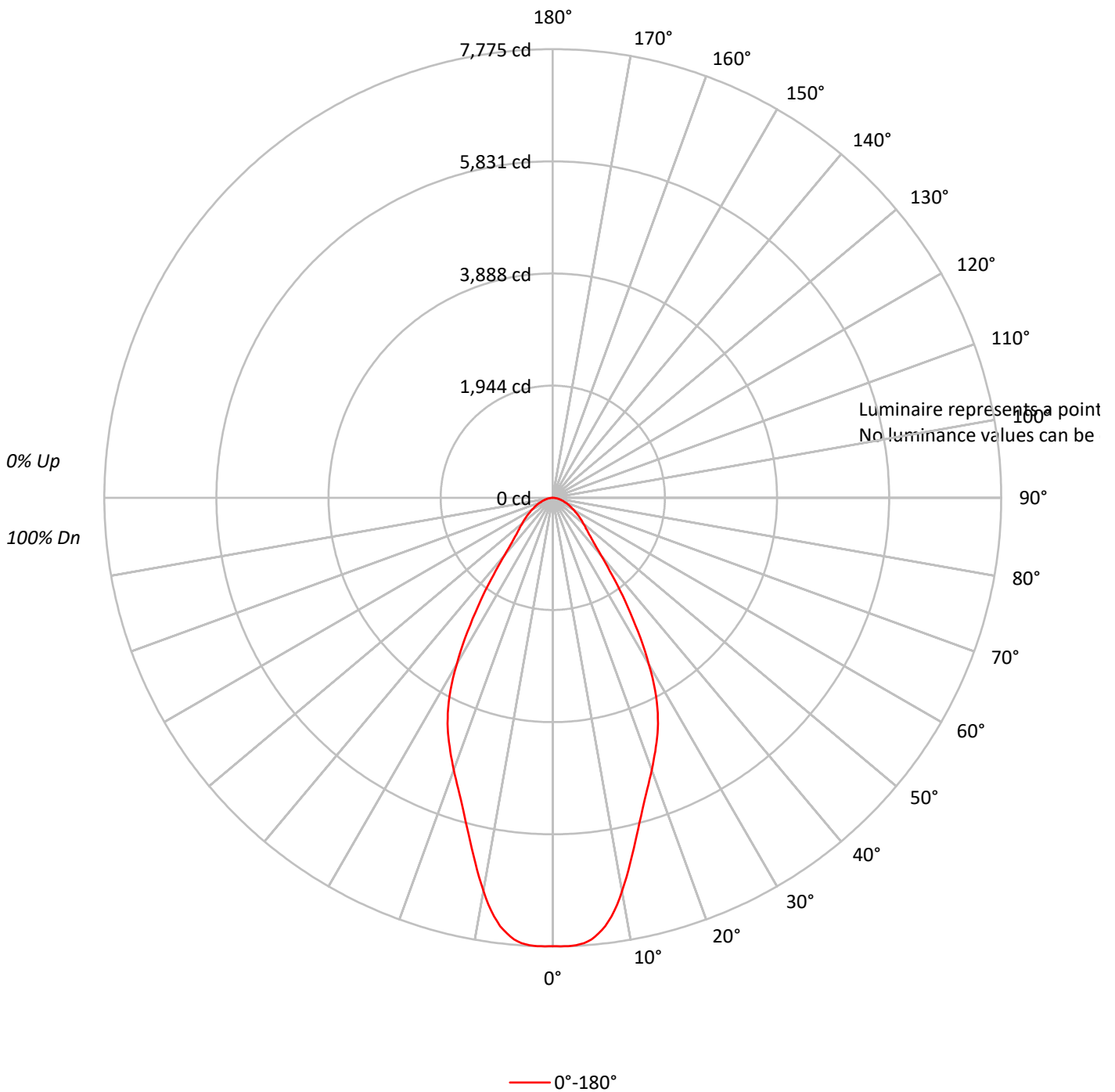
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.3	9.6
10°-20°	1636.6	22.1
20°-30°	1950.5	26.3
30°-40°	1376.8	18.6
40°-50°	711.0	9.6
50°-60°	487.9	6.6
60°-70°	317.2	4.3
70°-80°	166.1	2.2
80°-90°	50.5	0.7
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°	4296.4	58.0
0°-40°	5673.2	76.6
0°-60°	6872.2	92.8
0°-90°	7406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7406.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7770	
5°	7685	709
15°	5820	1637
25°	4317	1951
35°	2188	1377
45°	888	711
55°	541	488
65°	319	317
75°	154	166
85°	43	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7769.9
1°	7774.6
2°	7774.6
3°	7762.8
4°	7736.8
5°	7684.8
6°	7592.7
7°	7479.2
8°	7323.2
9°	7134.2
10°	6921.6
11°	6697.0
12°	6463.0
13°	6238.6
14°	6021.2
15°	5820.4
16°	5633.6
17°	5461.2
18°	5305.2
19°	5158.6
20°	5016.8
21°	4877.4
22°	4740.4
23°	4603.3
24°	4463.9
25°	4317.4
26°	4151.9
27°	3972.3
28°	3776.2
29°	3568.3
30°	3331.9
31°	3102.8
32°	2868.8
33°	2627.7
34°	2405.6
35°	2188.3
37.5°	1684.9
40°	1297.4
42.5°	1044.5
45°	888.5
47.5°	777.4
50°	690.1
52.5°	614.4
55°	541.2
57.5°	475.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	420.6
62.5°	366.3
65°	319.0
67.5°	276.5
70°	222.2
72.5°	191.5
75°	153.6
77.5°	125.2
80°	96.9
82.5°	70.9
85°	42.6
87.5°	23.6
90°	0.0

(END OF REPORT)