

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: P250705

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250705
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: LSR8B150D010 EC8B150930 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: 12003.6 lumens
Efficiency: N/A
Efficacy: 75.7 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

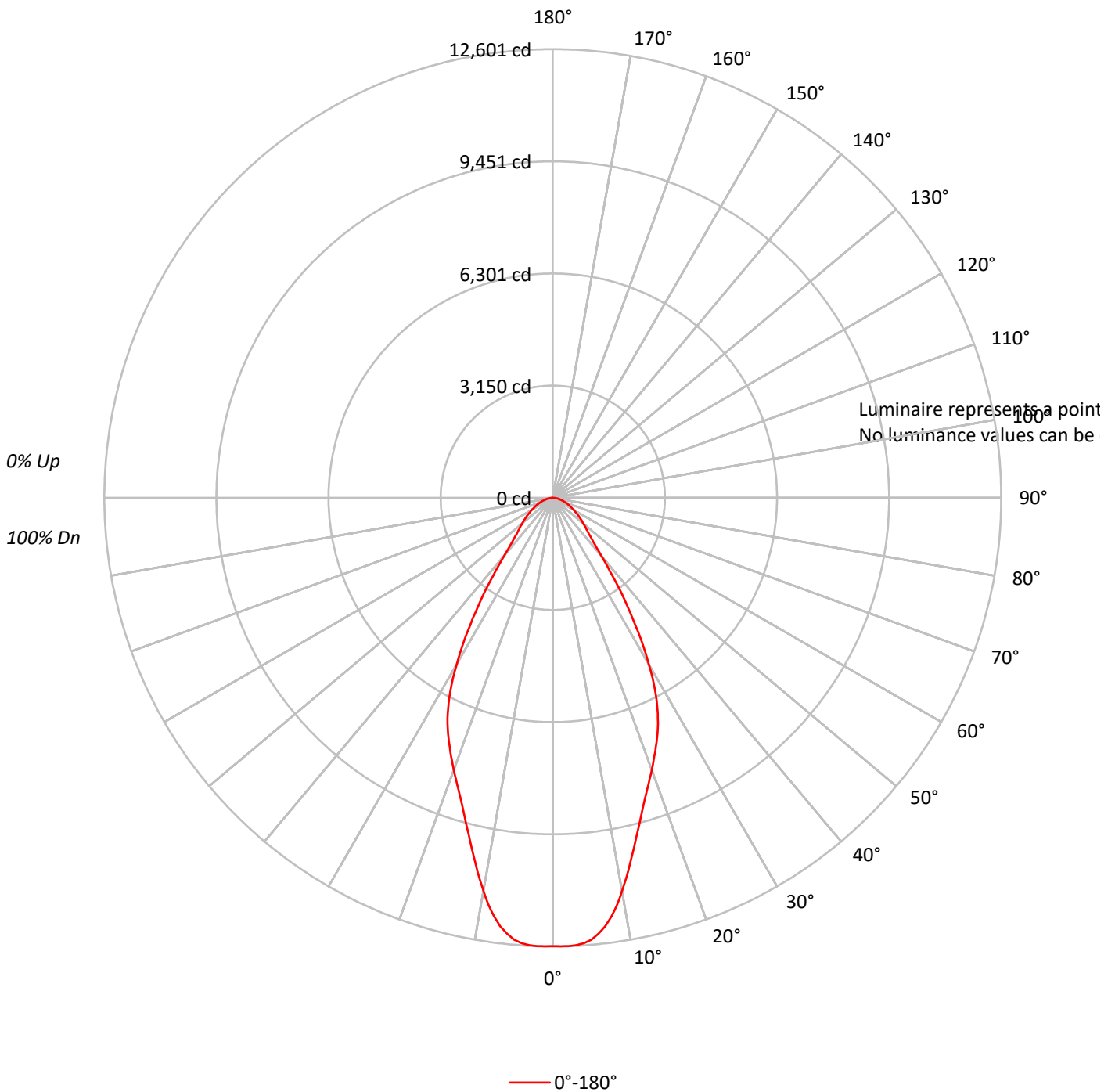
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1149.6	9.6
10°-20°	2652.6	22.1
20°-30°	3161.5	26.3
30°-40°	2231.6	18.6
40°-50°	1152.5	9.6
50°-60°	790.9	6.6
60°-70°	514.1	4.3
70°-80°	269.1	2.2
80°-90°	81.7	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°	6963.6	58.0
0°-40°	9195.2	76.6
0°-60°	11138.6	92.8
0°-90°	12003.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12003.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12593	
5°	12456	###
15°	9434	2653
25°	6998	3161
35°	3547	2232
45°	1440	1152
55°	877	791
65°	517	514
75°	249	269
85°	69	82
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12593.4
1°	12601.2
2°	12601.2
3°	12582.0
4°	12539.8
5°	12455.5
6°	12306.2
7°	12122.4
8°	11869.5
9°	11563.2
10°	11218.5
11°	10854.5
12°	10475.3
13°	10111.5
14°	9759.2
15°	9433.7
16°	9131.0
17°	8851.4
18°	8598.6
19°	8361.1
20°	8131.3
21°	7905.4
22°	7683.2
23°	7461.2
24°	7235.2
25°	6997.6
26°	6729.5
27°	6438.4
28°	6120.5
29°	5783.5
30°	5400.4
31°	5028.9
32°	4649.7
33°	4259.0
34°	3899.0
35°	3546.7
37.5°	2731.0
40°	2102.8
42.5°	1692.9
45°	1440.1
47.5°	1260.1
50°	1118.4
52.5°	995.9
55°	877.2
57.5°	769.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	681.7
62.5°	593.7
65°	517.0
67.5°	448.1
70°	360.1
72.5°	310.3
75°	249.0
77.5°	202.9
80°	156.9
82.5°	114.9
85°	68.9
87.5°	38.2
90°	0.0

(END OF REPORT)