

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: P250815

Luminaire Tested: **LSR8B70D010 EC8B709730 8LBWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B709730 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5852.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

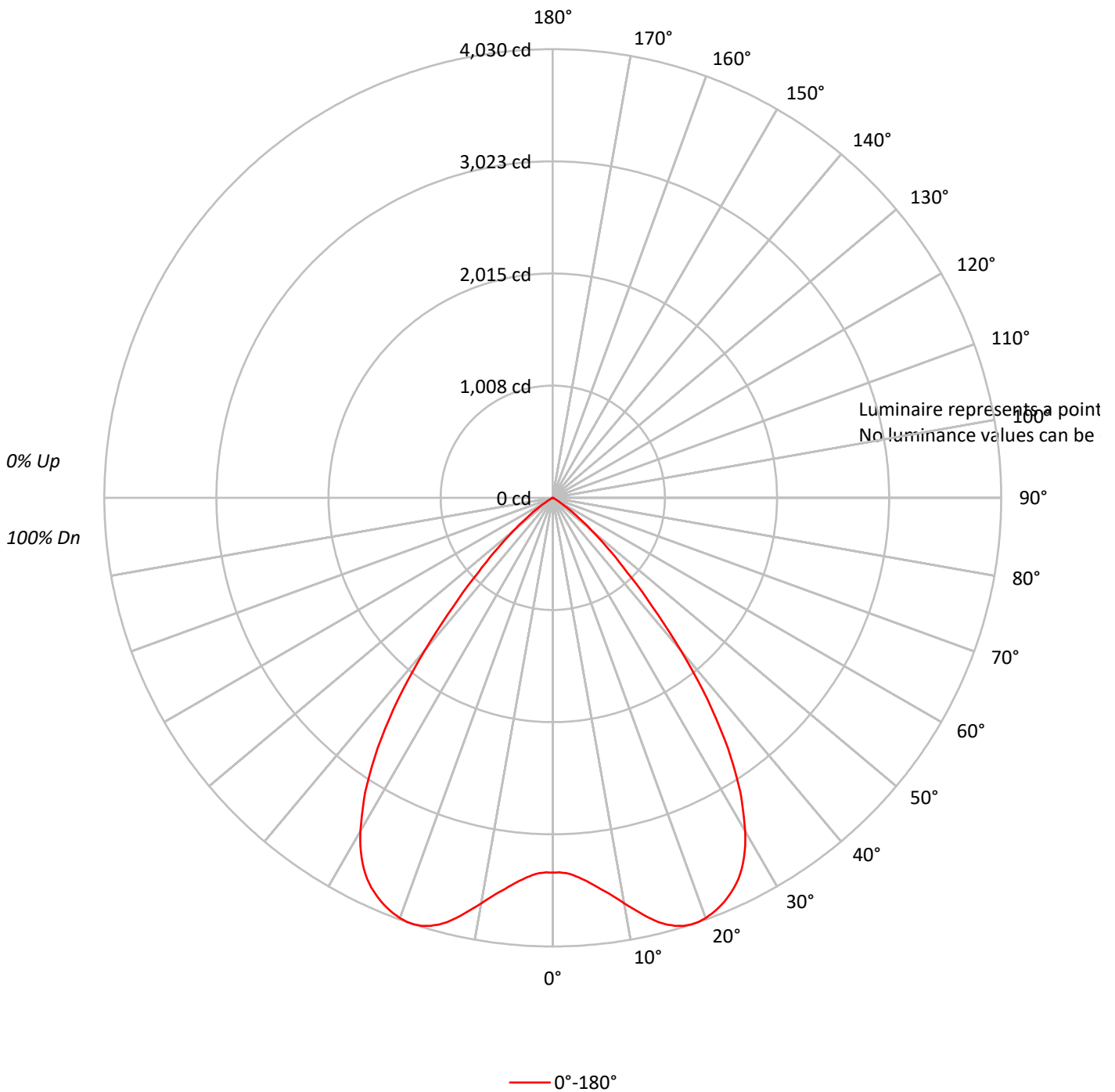
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	5.8
10°-20°	1118.7	19.1
20°-30°	1760.1	30.1
30°-40°	1674.3	28.6
40°-50°	771.9	13.2
50°-60°	175.4	3.0
60°-70°	11.5	0.2
70°-80°	2.3	0.0
80°-90°	0.2	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°	3216.4	55.0
0°-40°	4890.7	83.6
0°-60°	5837.9	99.8
0°-90°	5852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5852.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3367	
5°	3454	338
15°	3969	1119
25°	3860	1760
35°	2744	1674
45°	945	772
55°	170	175
65°	8	12
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3367.1
1°	3365.5
2°	3371.9
3°	3391.1
4°	3419.9
5°	3453.5
6°	3495.1
7°	3540.0
8°	3586.4
9°	3640.8
10°	3698.5
11°	3756.1
12°	3817.0
13°	3874.6
14°	3927.4
15°	3969.1
16°	3999.5
17°	4020.3
18°	4029.9
19°	4028.3
20°	4017.1
21°	3997.9
22°	3973.9
23°	3941.8
24°	3905.0
25°	3860.2
26°	3807.4
27°	3740.1
28°	3660.1
29°	3567.2
30°	3459.9
32.5°	3138.1
35°	2744.2
37.5°	2286.3
40°	1786.8
42.5°	1320.9
45°	944.6
47.5°	669.2
50°	461.1
52.5°	294.6
55°	169.7
57.5°	84.9
60°	36.8
62.5°	14.4
65°	8.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.8
70°	3.2
72.5°	3.2
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)