

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: P251151

Luminaire Tested: **LSR8B70D010 EC8B70930 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70930 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

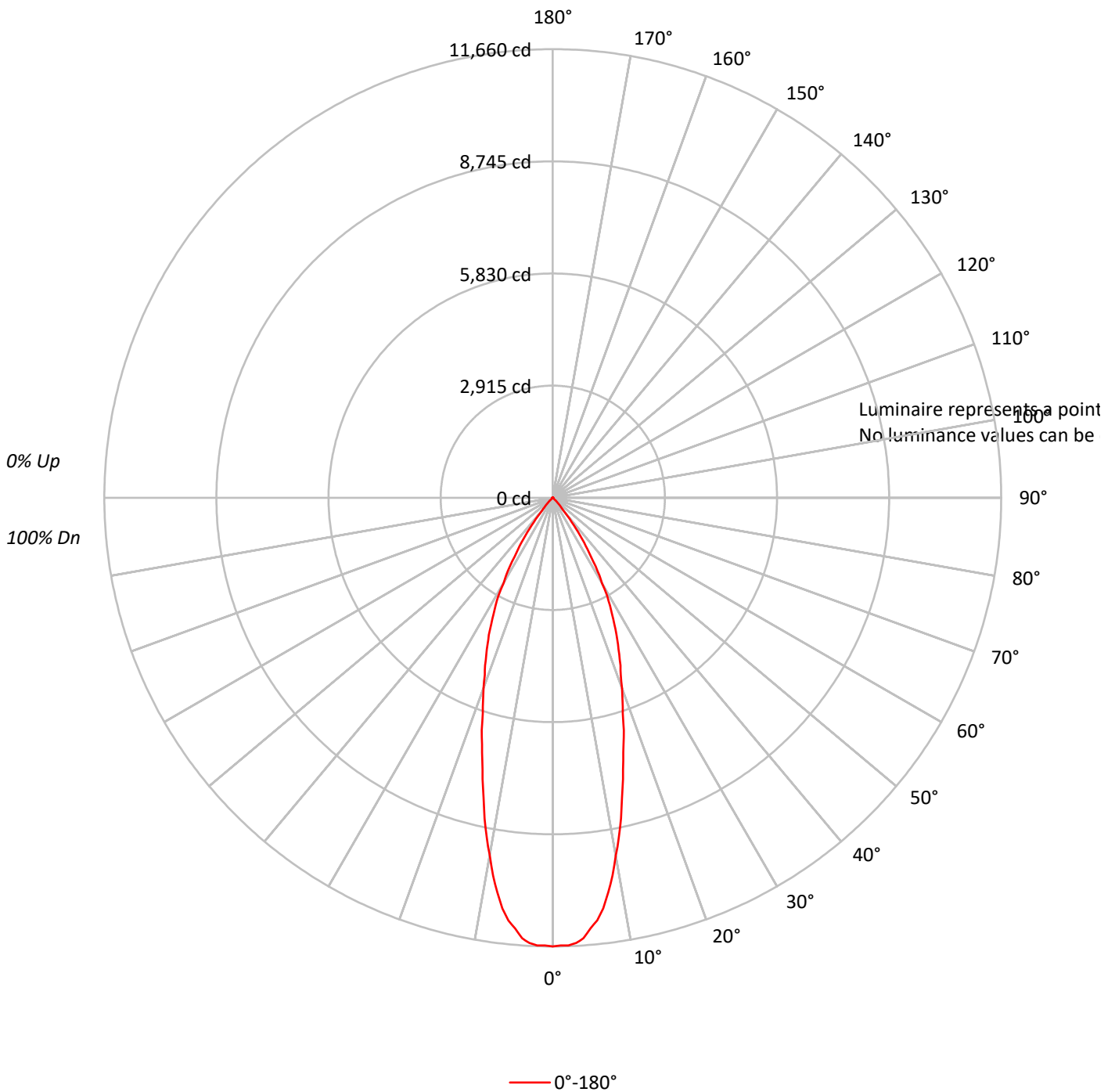
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.3	17.6
10°-20°	1973.2	34.0
20°-30°	1776.5	30.6
30°-40°	879.0	15.2
40°-50°	133.7	2.3
50°-60°	5.5	0.1
60°-70°	7.1	0.1
70°-80°	2.6	0.0
80°-90°	4.1	0.1
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°	4768.0	82.2
0°-40°	5647.0	97.4
0°-60°	5786.2	99.8
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11660	
5°	11232	###
15°	7069	1973
25°	3928	1777
35°	1423	879
45°	148	134
55°	2	5
65°	4	7
75°	4	3
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11659.5
1°	11635.2
2°	11641.2
3°	11582.5
4°	11475.3
5°	11232.5
6°	11046.2
7°	10750.8
8°	10354.1
9°	9941.3
10°	9443.3
11°	8998.2
12°	8520.5
13°	7992.3
14°	7536.9
15°	7069.4
16°	6670.6
17°	6318.5
18°	5885.4
19°	5567.6
20°	5256.0
21°	4932.2
22°	4695.3
23°	4420.1
24°	4167.1
25°	3928.3
26°	3646.9
27°	3394.1
28°	3167.4
29°	2918.4
30°	2560.1
31°	2357.8
32°	2102.8
33°	1823.5
34°	1611.0
35°	1422.8
37.5°	900.6
40°	406.8
42.5°	277.2
45°	147.7
47.5°	83.0
50°	2.0
52.5°	8.1
55°	2.0
57.5°	12.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.0
62.5°	10.2
65°	4.0
67.5°	10.2
70°	6.1
72.5°	2.0
75°	4.0
77.5°	0.0
80°	2.0
82.5°	8.1
85°	6.1
87.5°	0.0
90°	0.0

(END OF REPORT)