

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: P250981

Luminaire Tested: **LSR8B70D010 EC8B70927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5812.9 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

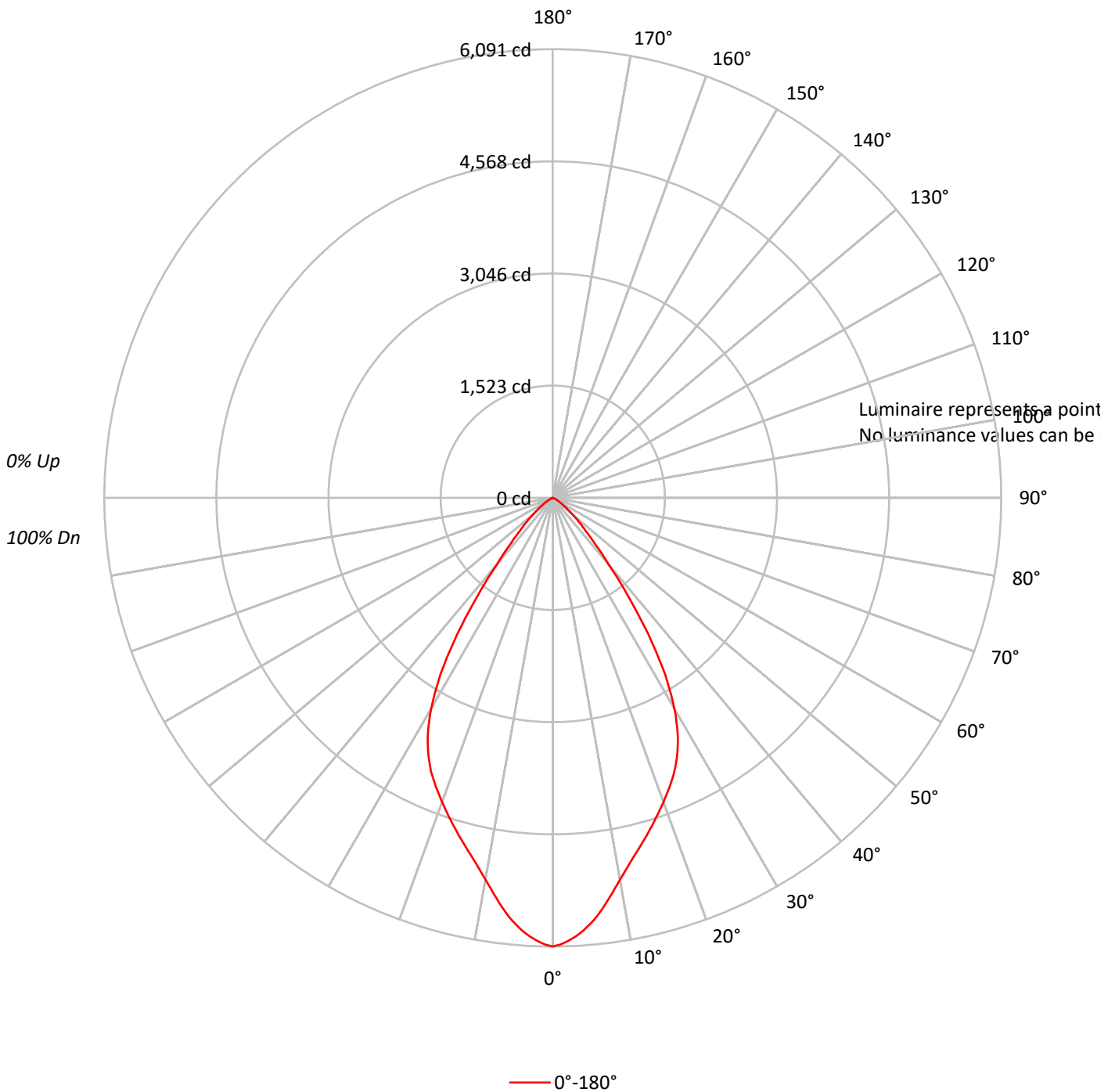
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.5	9.2
10°-20°	1350.4	23.2
20°-30°	1801.9	31.0
30°-40°	1388.9	23.9
40°-50°	517.8	8.9
50°-60°	169.4	2.9
60°-70°	39.1	0.7
70°-80°	7.9	0.1
80°-90°	1.1	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°	3688.8	63.5
0°-40°	5077.6	87.4
0°-60°	5764.8	99.2
0°-90°	5812.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5812.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6091	
5°	5811	536
15°	4804	1350
25°	3966	1802
35°	2260	1389
45°	629	518
55°	178	169
65°	35	39
75°	7	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6091.1
1°	6064.8
2°	6020.3
3°	5963.4
4°	5893.9
5°	5810.6
6°	5716.1
7°	5607.8
8°	5492.6
9°	5373.1
10°	5263.4
11°	5157.9
12°	5059.2
13°	4969.0
14°	4885.7
15°	4803.8
16°	4720.4
17°	4639.8
18°	4556.6
19°	4474.6
20°	4395.5
21°	4313.5
22°	4234.4
23°	4151.0
24°	4063.5
25°	3966.3
26°	3859.4
27°	3741.3
28°	3610.8
29°	3465.0
30°	3305.2
32.5°	2837.2
35°	2259.6
37.5°	1673.4
40°	1184.6
42.5°	848.6
45°	629.1
47.5°	473.5
50°	350.0
52.5°	250.0
55°	177.8
57.5°	122.2
60°	80.6
62.5°	52.8
65°	34.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23.6
70°	15.3
72.5°	9.7
75°	7.0
77.5°	4.2
80°	2.8
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)