

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: P250975

Luminaire Tested: **LSR8B70D010 EC8B70935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250975
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 EC8B70935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6328.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

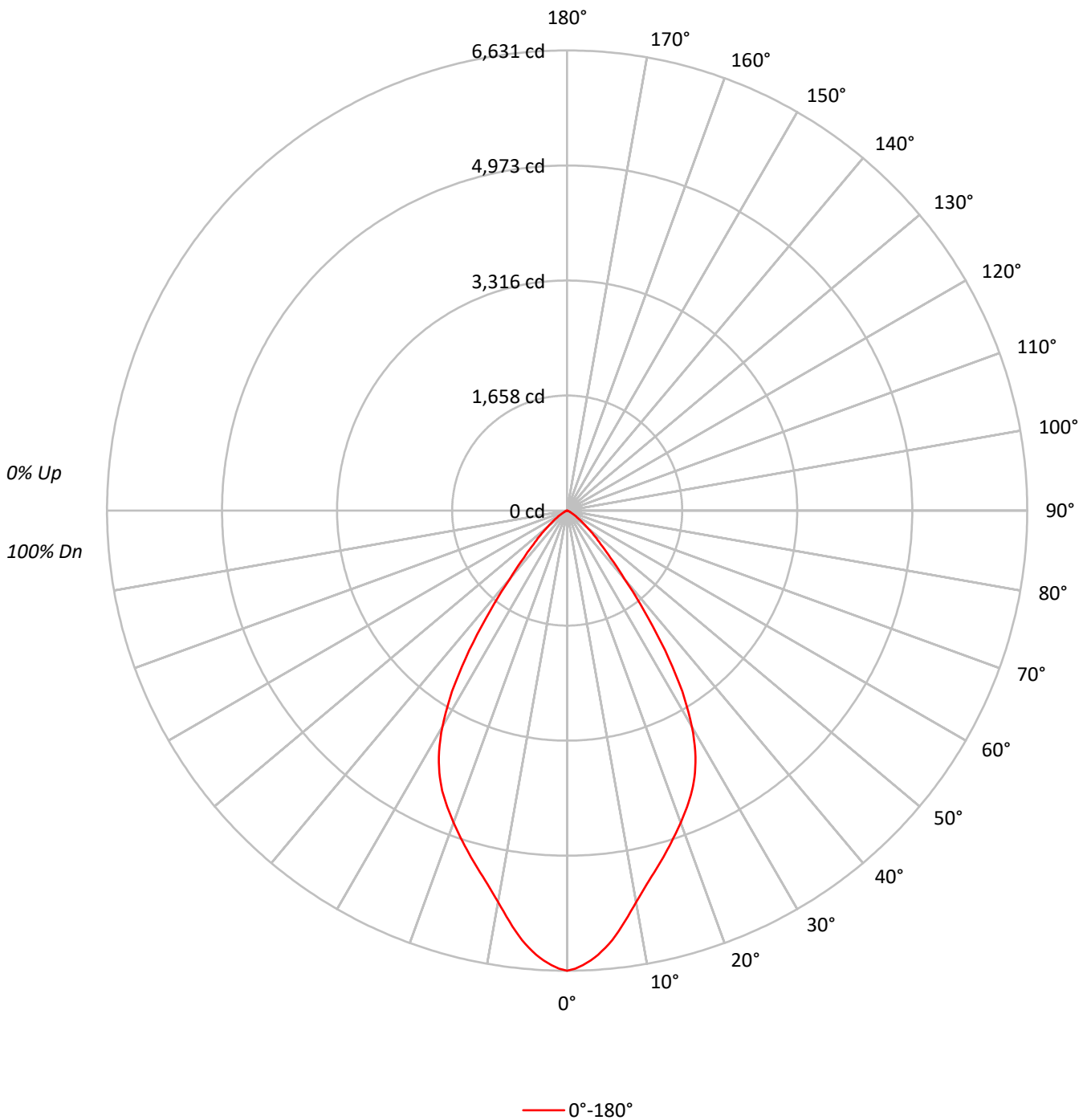
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250975

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P250975

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBM0H

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):

	0°
0°	204473
5°	195800
10°	179412
15°	166944
20°	157021
25°	146909
30°	128120
35°	92597
40°	51911
45°	29868
50°	18278
55°	10403
60°	5409
65°	2758
70°	1497
75°	905
80°	533
85°	531



TEST NUMBER: P250975

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.0	9.2
10°-20°	1470.1	23.2
20°-30°	1961.5	31.0
30°-40°	1512.0	23.9
40°-50°	563.7	8.9
50°-60°	184.4	2.9
60°-70°	42.5	0.7
70°-80°	8.5	0.1
80°-90°	1.2	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°	4015.7	63.5
0°-40°	5527.6	87.4
0°-60°	6275.7	99.2
0°-90°	6328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6328.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6631	
5°	6326	584
15°	5229	1470
25°	4318	1962
35°	2460	1512
45°	685	564
55°	194	184
65°	38	43
75°	8	9
85°	2	1
90°	0	



TEST NUMBER: P250975

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	6630.9
1°	6602.2
2°	6553.8
3°	6491.8
4°	6416.2
5°	6325.5
6°	6222.7
7°	6104.8
8°	5979.3
9°	5849.3
10°	5729.8
11°	5615.0
12°	5507.6
13°	5409.3
14°	5318.6
15°	5229.4
16°	5138.7
17°	5051.0
18°	4960.3
19°	4871.1
20°	4785.0
21°	4695.8
22°	4609.6
23°	4518.9
24°	4423.6
25°	4317.8
26°	4201.4
27°	4072.9
28°	3930.8
29°	3772.0
30°	3598.2
32.5°	3088.7
35°	2459.8
37.5°	1821.8
40°	1289.6
42.5°	923.7
45°	684.9
47.5°	515.5
50°	381.0
52.5°	272.1
55°	193.5
57.5°	133.0
60°	87.7
62.5°	57.4
65°	37.8



TEST NUMBER: P250975

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	25.7
70°	16.6
72.5°	10.6
75°	7.6
77.5°	4.5
80°	3.0
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)