

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: P251421

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7674.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

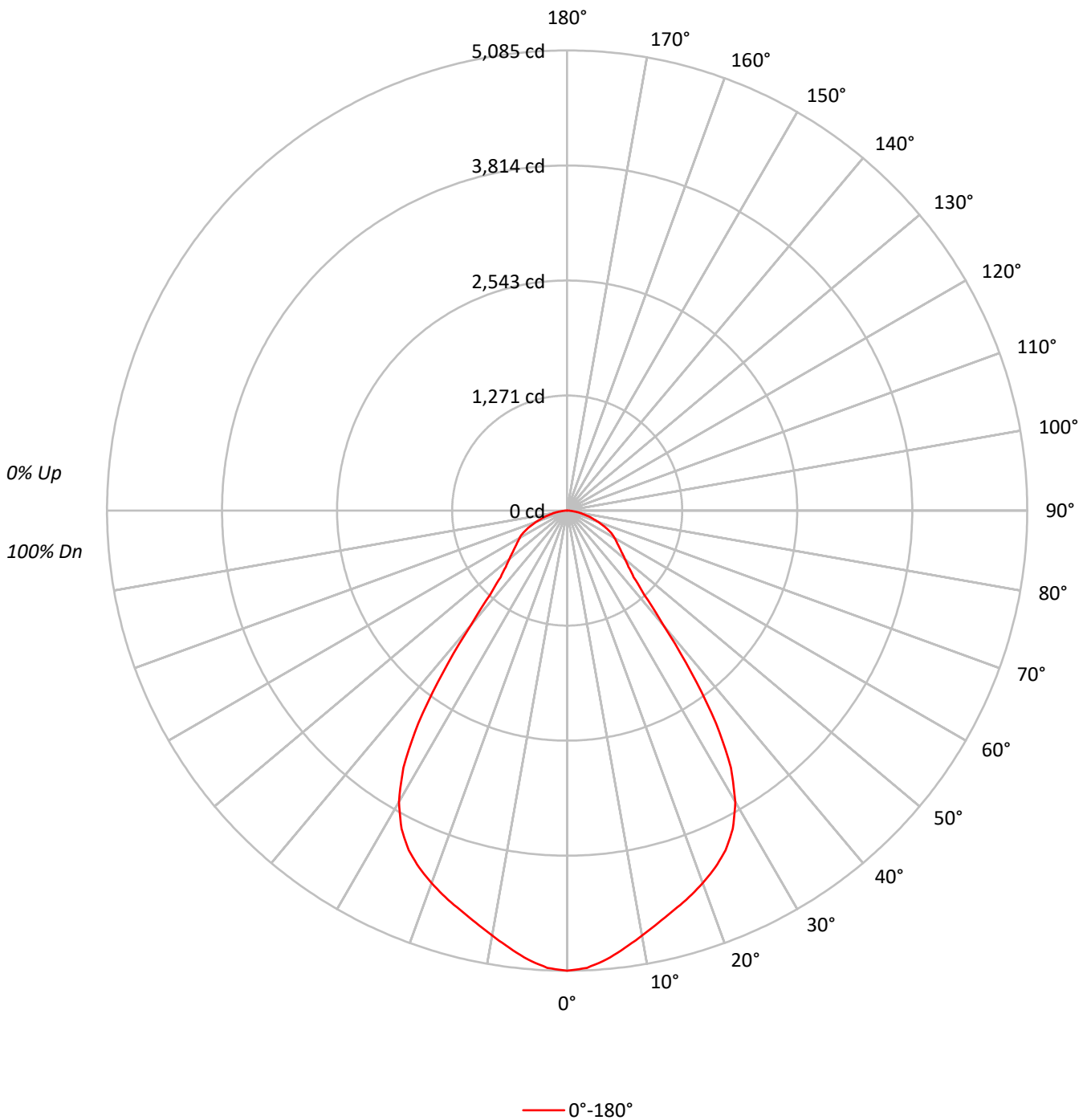
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251421

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P251421

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156790
5°	154148
10°	149299
15°	145848
20°	143767
25°	140948
30°	132339
35°	108028
40°	66918
45°	45323
50°	39933
55°	37687
60°	37380
65°	36227
70°	32475
75°	28130
80°	23778
85°	18929



TEST NUMBER: P251421

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.4	6.1
10°-20°	1290.3	16.8
20°-30°	1892.3	24.7
30°-40°	1729.7	22.5
40°-50°	856.3	11.2
50°-60°	633.2	8.3
60°-70°	486.7	6.3
70°-80°	253.7	3.3
80°-90°	63.2	0.8
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°	3651.0	47.6
0°-40°	5380.7	70.1
0°-60°	6870.3	89.5
0°-90°	7674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7674.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5085	
5°	4980	468
15°	4569	1290
25°	4143	1892
35°	2870	1730
45°	1039	856
55°	701	633
65°	496	487
75°	236	254
85°	54	63
90°	0	



TEST NUMBER: P251421

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBW0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5084.6
2.5°	5057.8
5°	4979.9
7.5°	4875.2
10°	4768.1
12.5°	4663.5
15°	4568.6
17.5°	4478.5
20°	4381.1
22.5°	4271.6
25°	4142.6
27.5°	3964.9
30°	3716.7
32.5°	3368.6
35°	2869.7
37.5°	2251.4
40°	1662.4
42.5°	1258.4
45°	1039.3
47.5°	920.0
50°	832.4
52.5°	761.8
55°	701.0
57.5°	649.9
60°	606.1
62.5°	559.8
65°	496.5
67.5°	428.4
70°	360.2
72.5°	296.9
75°	236.1
77.5°	182.5
80°	133.9
82.5°	92.5
85°	53.5
87.5°	19.5
90°	0.0

(END OF REPORT)