

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: P251489

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70840 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8310.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

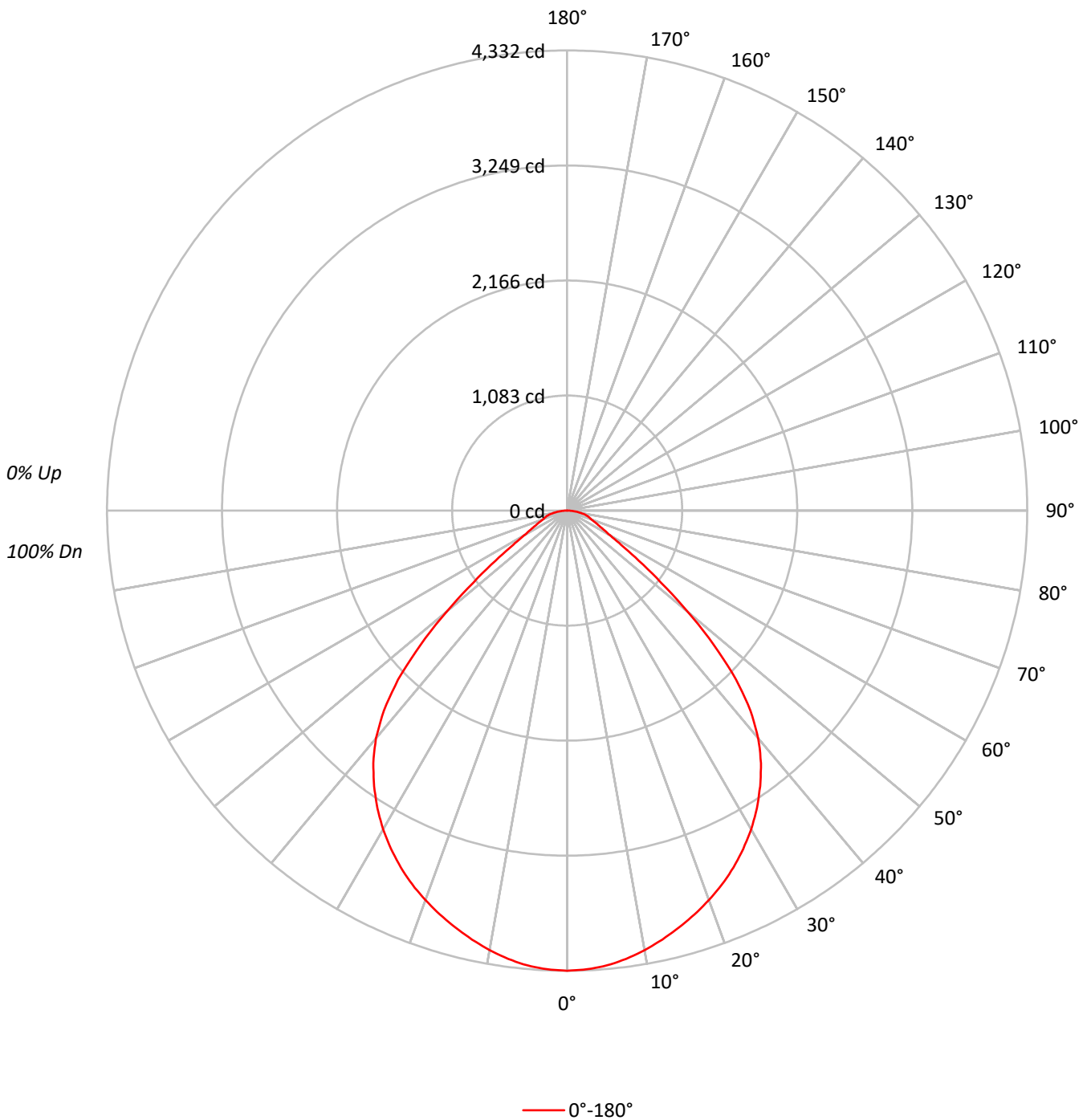
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251489

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0MW

Luminous Intensity Polar Plot





TEST NUMBER: P251489

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0MW

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	98	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133595
5°	133056
10°	131567
15°	129740
20°	128045
25°	126100
30°	123356
35°	119223
40°	112695
45°	98155
50°	70981
55°	44192
60°	28776
65°	23641
70°	21801
75°	23614
80°	24044
85°	21370



TEST NUMBER: P251489

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.2	4.9
10°-20°	1146.5	13.8
20°-30°	1705.5	20.5
30°-40°	1974.1	23.8
40°-50°	1693.9	20.4
50°-60°	778.9	9.4
60°-70°	330.7	4.0
70°-80°	204.8	2.5
80°-90°	68.4	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°	3259.2	39.2
0°-40°	5233.2	63.0
0°-60°	7706.1	92.7
0°-90°	8310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8310.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4332	
5°	4298	407
15°	4064	1146
25°	3706	1705
35°	3167	1974
45°	2251	1694
55°	822	779
65°	324	331
75°	198	205
85°	60	68
90°	0	



TEST NUMBER: P251489

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4332.4
2.5°	4322.7
5°	4298.5
7.5°	4257.4
10°	4201.8
12.5°	4136.5
15°	4064.0
17.5°	3986.6
20°	3902.0
22.5°	3810.2
25°	3706.2
27.5°	3590.2
30°	3464.4
32.5°	3324.2
35°	3167.1
37.5°	2997.8
40°	2799.6
42.5°	2555.4
45°	2250.8
47.5°	1876.1
50°	1479.6
52.5°	1112.1
55°	822.0
57.5°	604.4
60°	466.6
62.5°	382.0
65°	324.0
67.5°	278.0
70°	241.8
72.5°	220.0
75°	198.2
77.5°	169.2
80°	135.4
82.5°	96.7
85°	60.4
87.5°	26.6
90°	0.0

(END OF REPORT)