

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: P251495

Luminaire Tested: **LSR8B70D010 EC8B709730 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251495
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 EC8B709730 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6911.0 lumens
Efficiency: N/A
Efficacy: 91.1 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

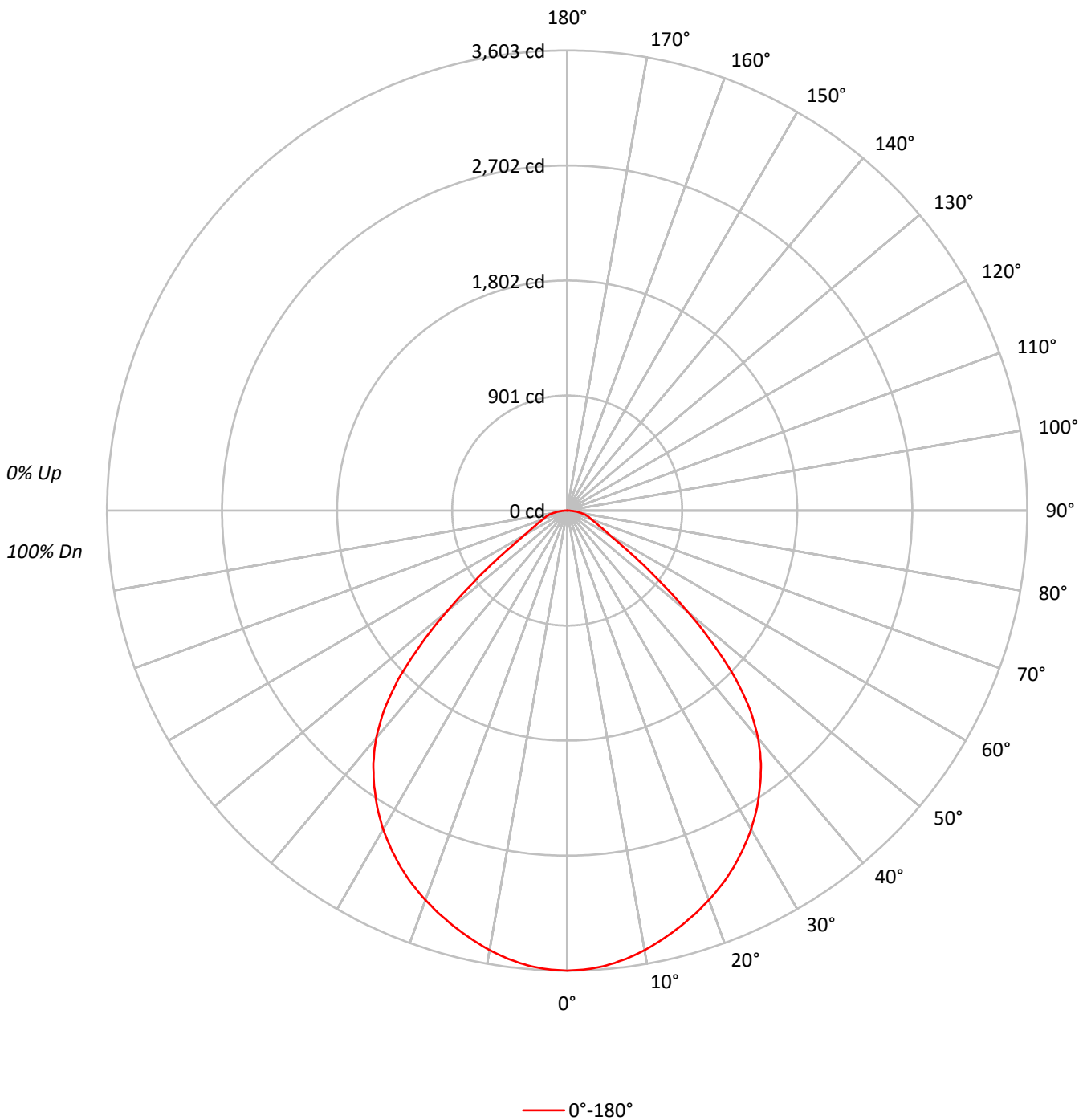
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	111103
5°	110658
10°	109417
15°	107897
20°	106489
25°	104873
30°	102590
35°	99151
40°	93723
45°	81632
50°	59031
55°	36751
60°	23929
65°	19657
70°	18131
75°	19647
80°	19995
85°	17796



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.7	4.9
10°-20°	953.5	13.8
20°-30°	1418.4	20.5
30°-40°	1641.7	23.8
40°-50°	1408.8	20.4
50°-60°	647.8	9.4
60°-70°	275.0	4.0
70°-80°	170.4	2.5
80°-90°	56.9	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°	2710.5	39.2
0°-40°	4352.2	63.0
0°-60°	6408.7	92.7
0°-90°	6911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3603	
5°	3575	339
15°	3380	953
25°	3082	1418
35°	2634	1642
45°	1872	1409
55°	684	648
65°	269	275
75°	165	170
85°	50	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3603.0
2.5°	3595.0
5°	3574.9
7.5°	3540.7
10°	3494.4
12.5°	3440.1
15°	3379.8
17.5°	3315.5
20°	3245.1
22.5°	3168.7
25°	3082.3
27.5°	2985.7
30°	2881.2
32.5°	2764.6
35°	2633.9
37.5°	2493.1
40°	2328.3
42.5°	2125.2
45°	1871.9
47.5°	1560.2
50°	1230.5
52.5°	924.9
55°	683.6
57.5°	502.7
60°	388.0
62.5°	317.7
65°	269.4
67.5°	231.2
70°	201.1
72.5°	183.0
75°	164.9
77.5°	140.7
80°	112.6
82.5°	80.4
85°	50.3
87.5°	22.1
90°	0.0

(END OF REPORT)