

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P770705

Luminaire Tested: LD6D70BD010-EU6DR5570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR5570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8240.1 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

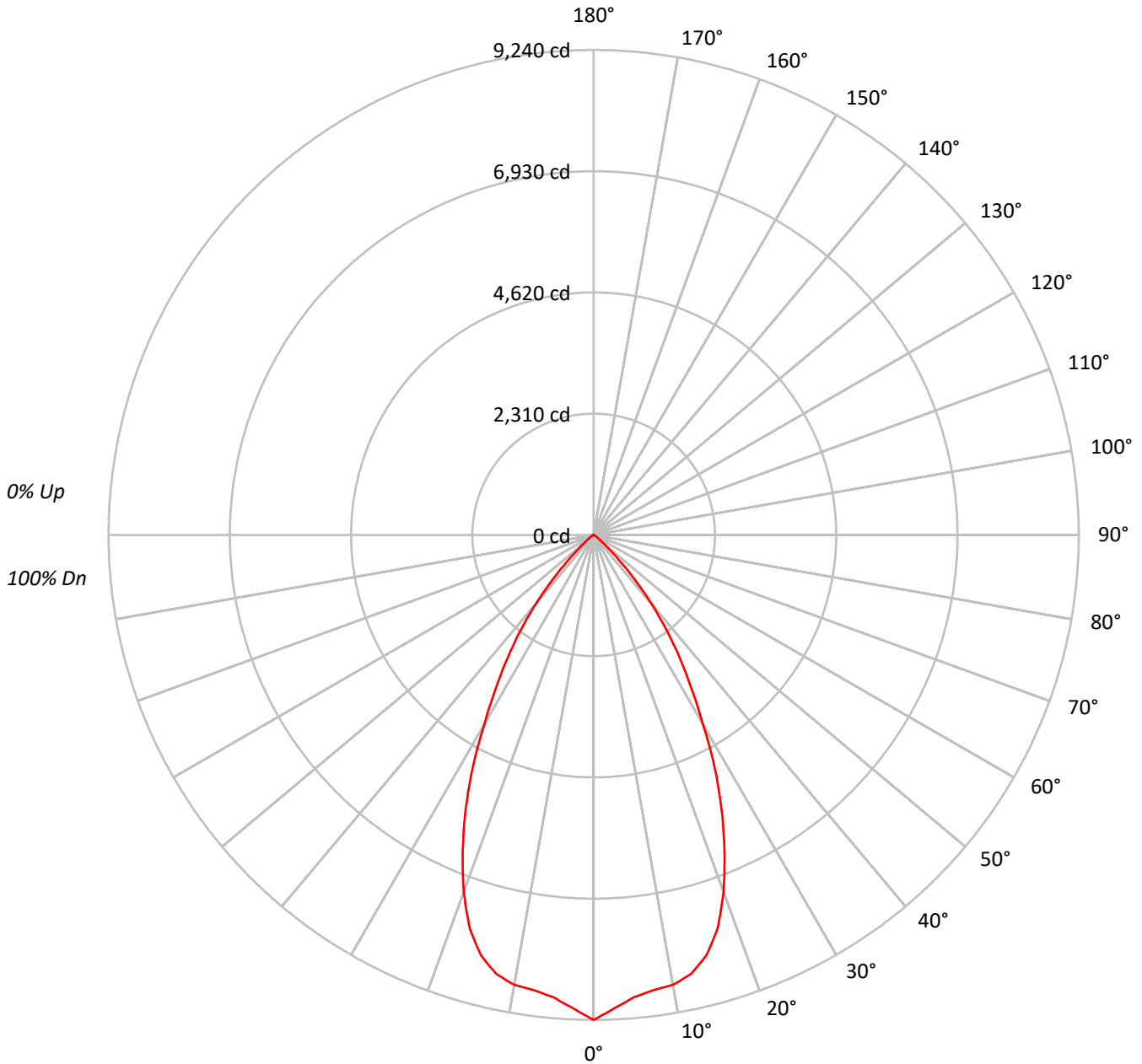
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P770705
CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P770705

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1B

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1009569
5°	969478
10°	965821
15°	938074
20°	841118
25°	695137
30°	525092
35°	380728
40°	243654
45°	111284
50°	36393
55°	15696
60°	6752
65°	879
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 111284 cd/sqm



TEST NUMBER: P770705

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.1	10.2
10°-20°	2295.5	27.9
20°-30°	2616.0	31.7
30°-40°	1780.8	21.6
40°-50°	613.7	7.4
50°-60°	84.8	1.0
60°-70°	8.2	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	5752.6	69.8
0°-40°	7533.4	91.4
0°-60°	8231.9	99.9
0°-90°	8240.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8240.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9240	
5°	8839	841
15°	8293	2296
25°	5766	2616
35°	2854	1781
45°	720	614
55°	82	85
65°	3	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770705
CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	9240.0
2.5°	9028.2
5°	8839.3
7.5°	8746.5
10°	8705.3
12.5°	8567.9
15°	8293.1
17.5°	7856.9
20°	7234.0
22.5°	6515.0
25°	5766.1
27.5°	4986.4
30°	4162.0
32.5°	3463.6
35°	2854.4
37.5°	2275.1
40°	1708.3
42.5°	1183.9
45°	720.2
47.5°	388.1
50°	214.1
52.5°	127.1
55°	82.4
57.5°	52.7
60°	30.9
62.5°	13.7
65°	3.4
67.5°	1.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)