

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: P771481

Luminaire Tested: LD6D75BD010-EU6DR5570959035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771481
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: LD6D75BD010-EU6DR5570959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 6950.9 lumens
Efficiency: N/A
Efficacy: 96.0 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

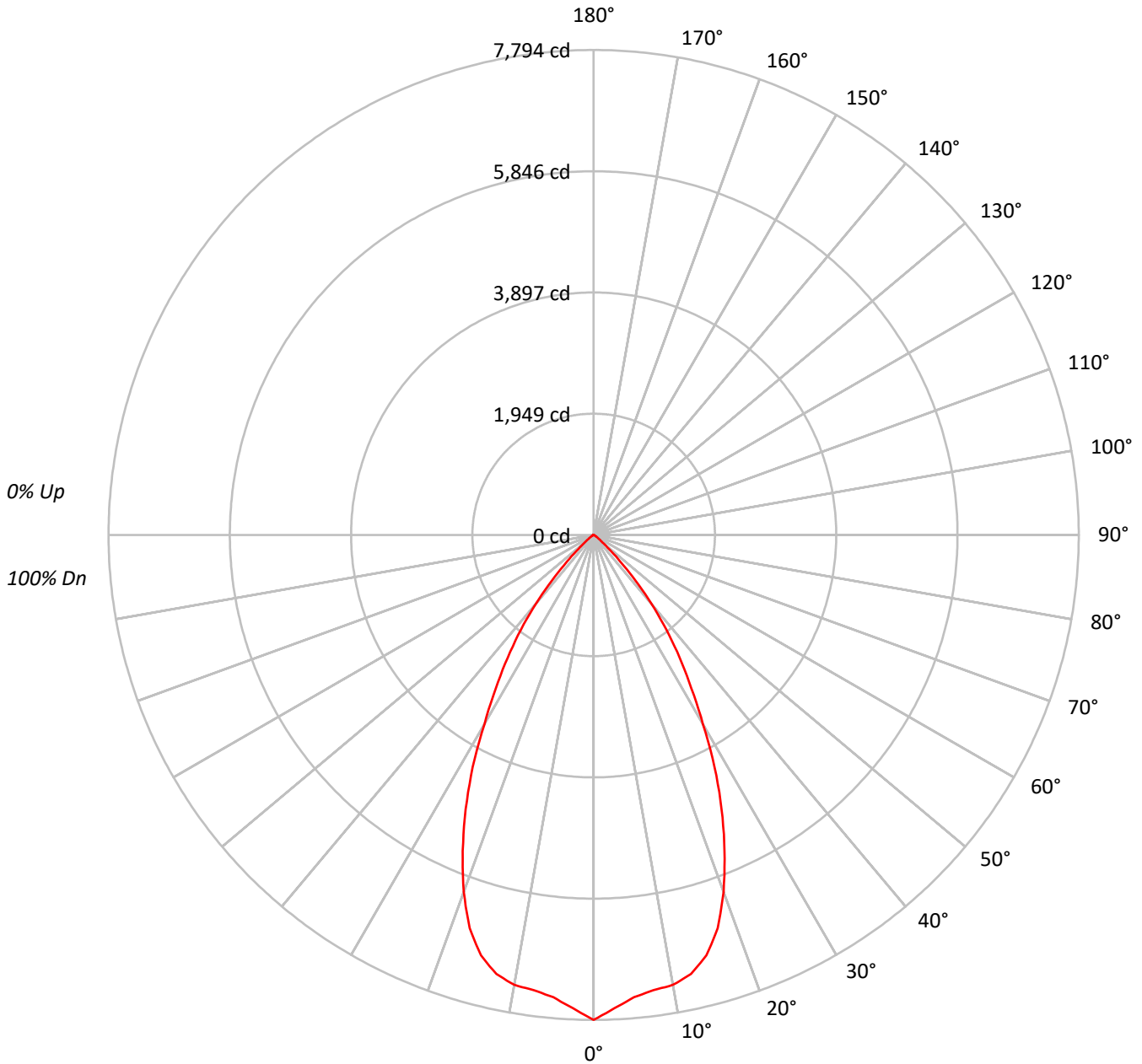
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P771481
CATALOG NUMBER: LD6D75BD010-EU6DR5570959035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P771481

CATALOG NUMBER: LD6D75BD010-EU6DR5570959035-6LBDP1B

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°	851622
5°	817793
10°	814712
15°	791308
20°	709520
25°	586384
30°	442947
35°	321172
40°	205530
45°	93870
50°	30698
55°	13239
60°	5703
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93870 cd/sqm



TEST NUMBER: P771481

CATALOG NUMBER: LD6D75BD010-EU6DR5570959035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.5	10.2
10°-20°	1936.4	27.9
20°-30°	2206.7	31.7
30°-40°	1502.2	21.6
40°-50°	517.6	7.4
50°-60°	71.5	1.0
60°-70°	6.9	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°	4852.6	69.8
0°-40°	6354.8	91.4
0°-60°	6944.0	99.9
0°-90°	6950.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6950.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7794	
5°	7456	710
15°	6996	1936
25°	4864	2207
35°	2408	1502
45°	608	518
55°	70	72
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P771481

CATALOG NUMBER: LD6D75BD010-EU6DR5570959035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	7794.4
2.5°	7615.7
5°	7456.3
7.5°	7378.1
10°	7343.3
12.5°	7227.4
15°	6995.6
17.5°	6627.6
20°	6102.2
22.5°	5495.7
25°	4864.0
27.5°	4206.3
30°	3510.9
32.5°	2921.7
35°	2407.9
37.5°	1919.1
40°	1441.0
42.5°	998.7
45°	607.5
47.5°	327.4
50°	180.6
52.5°	107.2
55°	69.5
57.5°	44.4
60°	26.1
62.5°	11.6
65°	2.9
67.5°	1.0
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)