

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: P771628

Luminaire Tested: LD6D75BD010-EU6DR6570959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7306.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

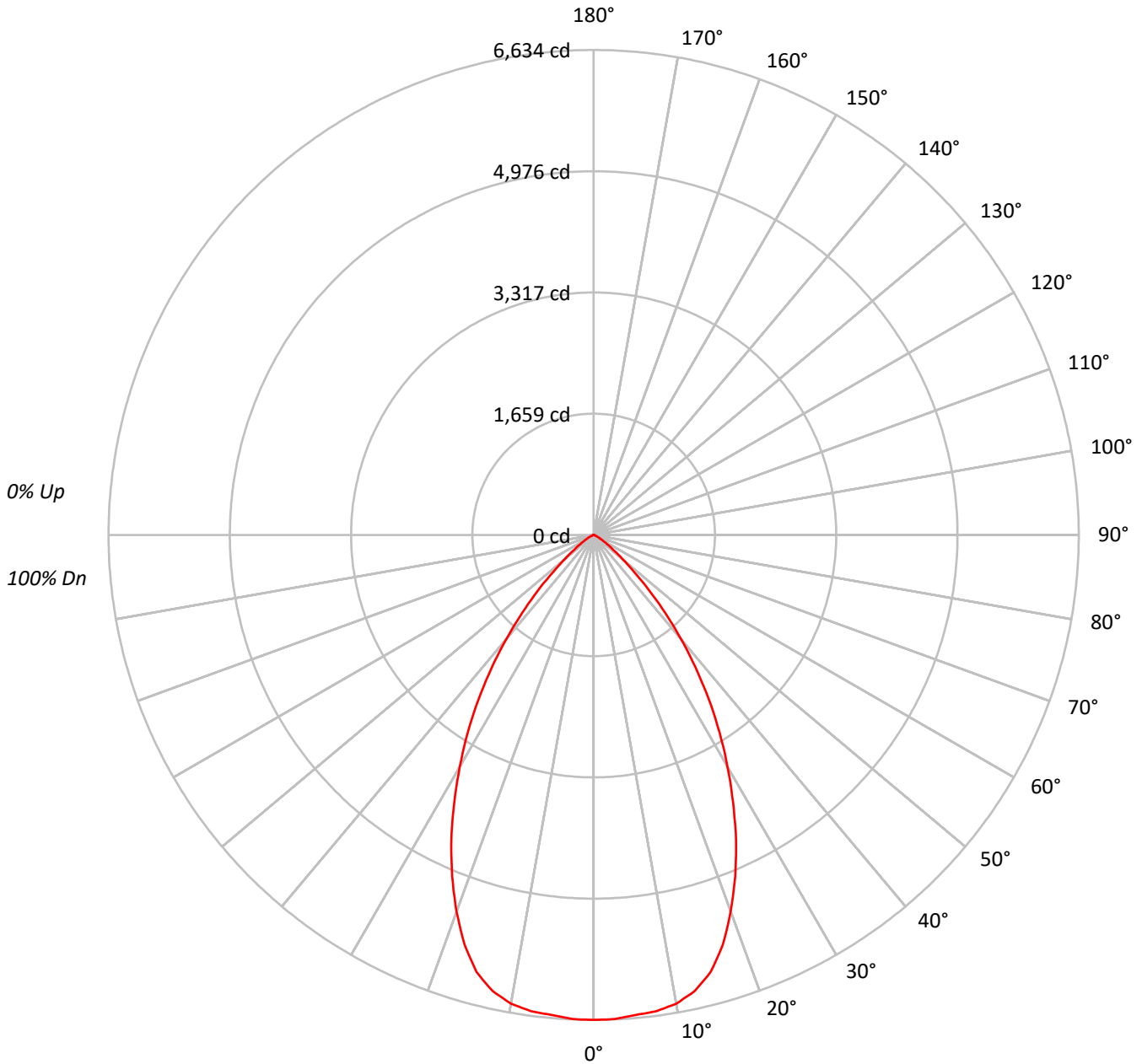


Downlight

TEST NUMBER: P771628

CATALOG NUMBER: LD6D75BD010-EU6DR6570959030-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P771628

CATALOG NUMBER: LD6D75BD010-EU6DR6570959030-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	387434
5°	386451
10°	386122
15°	374219
20°	340681
25°	296882
30°	246921
35°	195649
40°	141213
45°	89211
50°	46502
55°	24713
60°	12977
65°	7145
70°	2988
75°	3295
80°	2287
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 89211 cd/sqm



TEST NUMBER: P771628

CATALOG NUMBER: LD6D75BD010-EU6DR6570959030-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.3	8.6
10°-20°	1717.9	23.5
20°-30°	2099.8	28.7
30°-40°	1703.7	23.3
40°-50°	849.0	11.6
50°-60°	236.8	3.2
60°-70°	53.8	0.7
70°-80°	14.0	0.2
80°-90°	3.6	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°	4445.0	60.8
0°-40°	6148.8	84.2
0°-60°	7234.6	99.0
0°-90°	7306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6634	
5°	6592	627
15°	6189	1718
25°	4607	2100
35°	2744	1704
45°	1080	849
55°	243	237
65°	52	54
75°	15	14
85°	3	4
90°	0	



TEST NUMBER: P771628
CATALOG NUMBER: LD6D75BD010-EU6DR6570959030-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6633.7
2.5°	6628.8
5°	6591.7
7.5°	6570.3
10°	6510.8
12.5°	6389.9
15°	6189.1
17.5°	5875.2
20°	5481.4
22.5°	5056.4
25°	4607.0
27.5°	4126.4
30°	3661.4
32.5°	3202.3
35°	2744.1
37.5°	2286.9
40°	1852.2
42.5°	1444.7
45°	1080.1
47.5°	752.6
50°	511.8
52.5°	352.9
55°	242.7
57.5°	163.8
60°	111.1
62.5°	77.0
65°	51.7
67.5°	26.3
70°	17.5
72.5°	16.6
75°	14.6
77.5°	9.7
80°	6.8
82.5°	4.9
85°	2.9
87.5°	1.9
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)