

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



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: P771658

Luminaire Tested: LD6D75BD010-EU6DR6570959040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

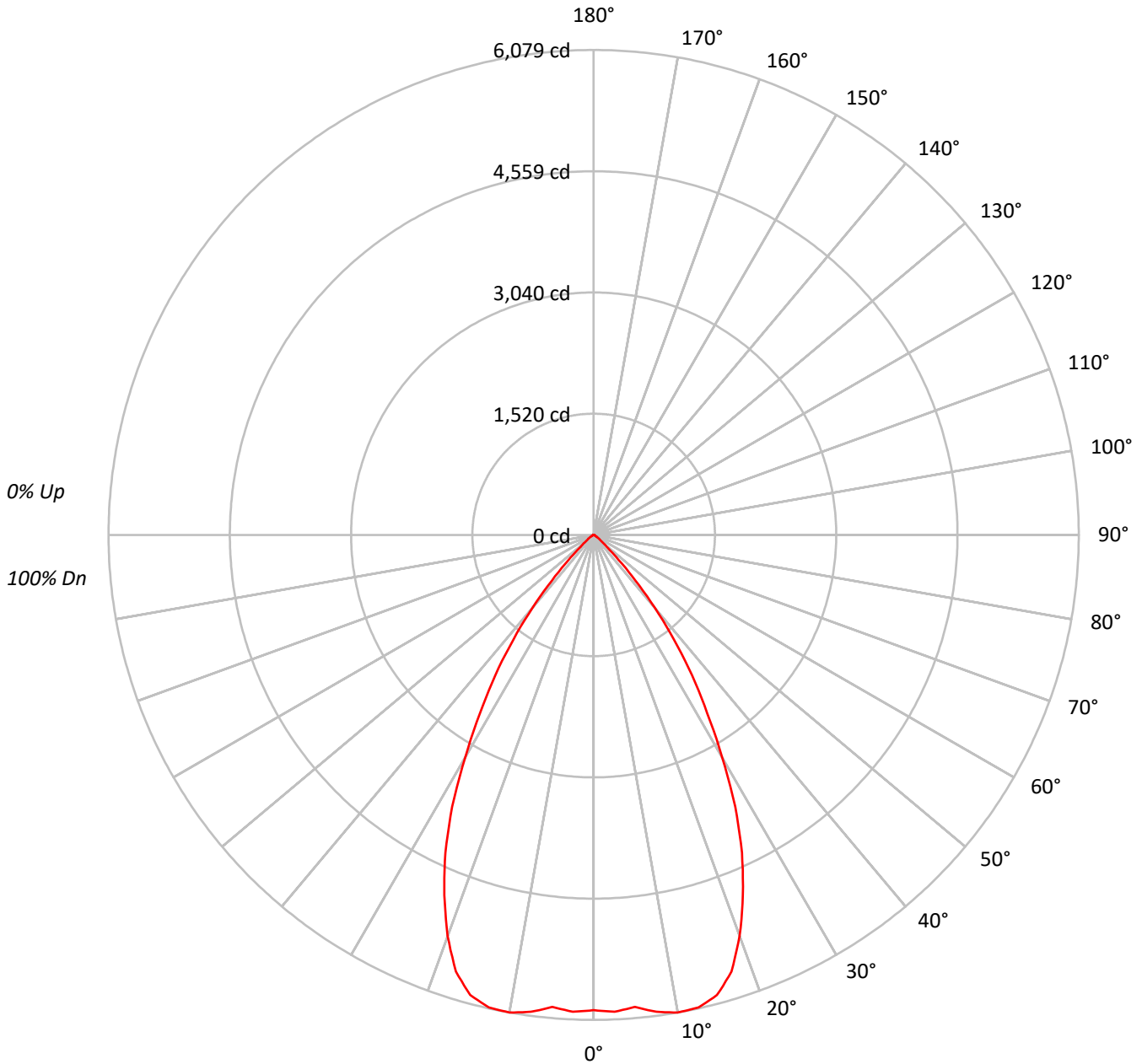
Lumens per Lamp: N/A
Luminaire Lumens: 6051.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P771658
CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P771658
 CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1B

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	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	650943
5°	651477
10°	674409
15°	675523
20°	621932
25°	529916
30°	405679
35°	286600
40°	169173
45°	68683
50°	24902
55°	13868
60°	7954
65°	4369
70°	4600
75°	3588
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68683 cd/sqm



TEST NUMBER: P771658

CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.7	9.5
10°-20°	1654.8	27.3
20°-30°	1985.4	32.8
30°-40°	1334.3	22.1
40°-50°	399.4	6.6
50°-60°	70.5	1.2
60°-70°	20.0	0.3
70°-80°	9.8	0.2
80°-90°	3.1	0.1
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°	4213.9	69.6
0°-40°	5548.1	91.7
0°-60°	6018.1	99.5
0°-90°	6051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6051.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5958	
5°	5940	574
15°	5972	1655
25°	4396	1985
35°	2149	1334
45°	444	399
55°	73	70
65°	17	20
75°	8	10
85°	2	3
90°	0	



TEST NUMBER: P771658

CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5957.7
2.5°	5983.1
5°	5939.9
7.5°	6029.6
10°	6078.7
12.5°	6066.9
15°	5972.0
17.5°	5740.1
20°	5348.9
22.5°	4888.4
25°	4395.6
27.5°	3839.4
30°	3215.5
32.5°	2649.9
35°	2148.7
37.5°	1653.4
40°	1186.1
42.5°	774.7
45°	444.5
47.5°	235.4
50°	146.5
52.5°	101.6
55°	72.8
57.5°	52.5
60°	36.4
62.5°	23.7
65°	16.9
67.5°	15.2
70°	14.4
72.5°	11.0
75°	8.5
77.5°	7.6
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
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)