

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: P770038

Luminaire Tested: LD6D65D010-EU6DR6555659024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770038
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: LD6D65D010-EU6DR6555659024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4429.0 lumens
Efficiency: N/A
Efficacy: 60.8 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): 72.8
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

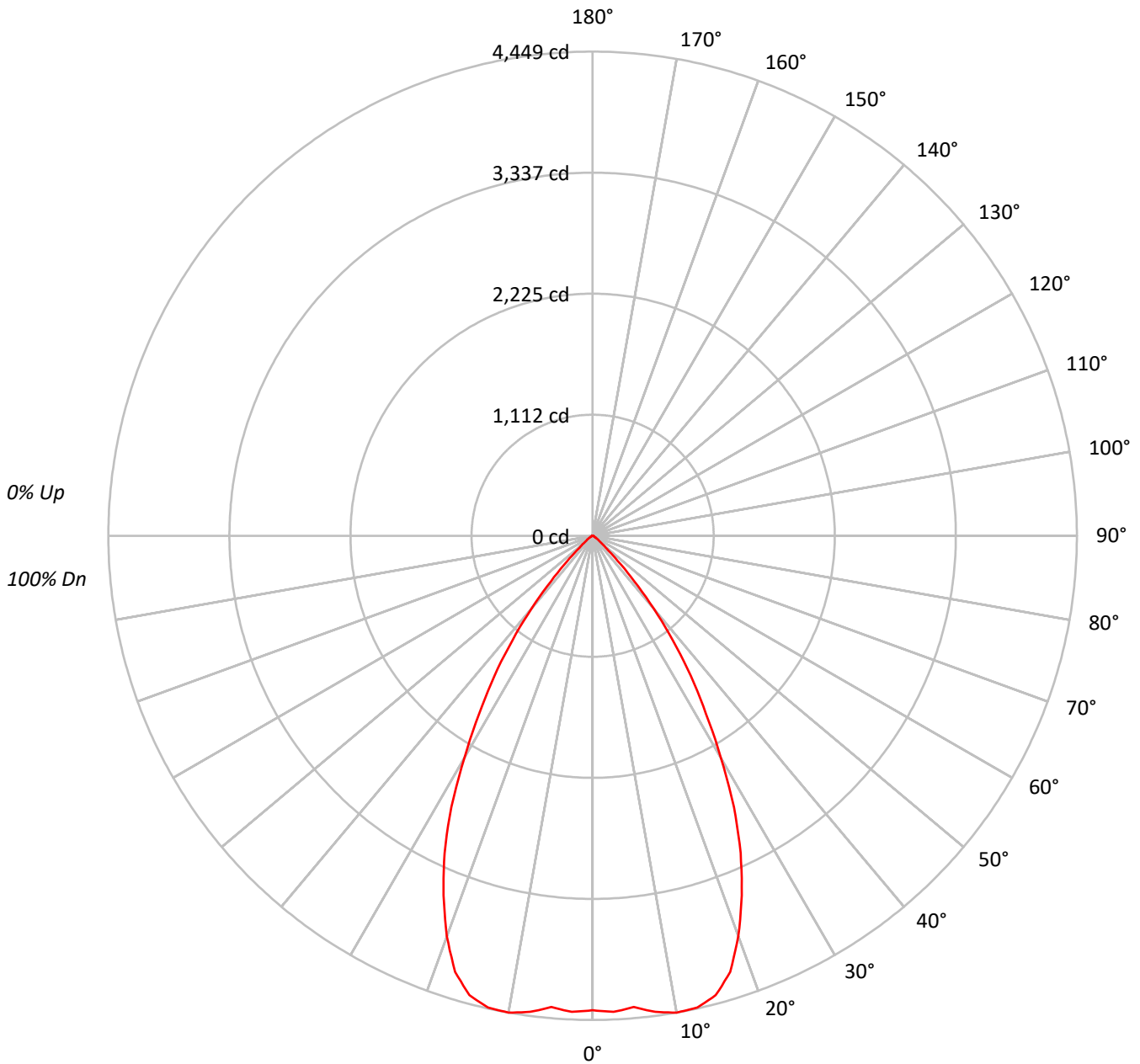


Downlight

TEST NUMBER: P770038

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P770038

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1B

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	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°	476442
5°	476837
10°	493622
15°	494437
20°	455208
25°	387865
30°	296926
35°	209771
40°	123831
45°	50265
50°	18222
55°	10153
60°	5813
65°	3206
70°	3354
75°	2617
80°	2706
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50265 cd/sqm



TEST NUMBER: P770038

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.9	9.5
10°-20°	1211.2	27.3
20°-30°	1453.2	32.8
30°-40°	976.6	22.1
40°-50°	292.4	6.6
50°-60°	51.6	1.2
60°-70°	14.7	0.3
70°-80°	7.2	0.2
80°-90°	2.3	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°	3084.3	69.6
0°-40°	4060.8	91.7
0°-60°	4404.8	99.5
0°-90°	4429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4429.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4361	
5°	4348	420
15°	4371	1211
25°	3217	1453
35°	1573	977
45°	325	292
55°	53	52
65°	12	15
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P770038

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4360.6
2.5°	4379.2
5°	4347.6
7.5°	4413.3
10°	4449.2
12.5°	4440.5
15°	4371.1
17.5°	4201.3
20°	3915.0
22.5°	3577.9
25°	3217.3
27.5°	2810.2
30°	2353.5
32.5°	1939.6
35°	1572.7
37.5°	1210.2
40°	868.2
42.5°	567.0
45°	325.3
47.5°	172.3
50°	107.2
52.5°	74.4
55°	53.3
57.5°	38.4
60°	26.6
62.5°	17.4
65°	12.4
67.5°	11.2
70°	10.5
72.5°	8.1
75°	6.2
77.5°	5.6
80°	4.3
82.5°	3.1
85°	1.9
87.5°	1.2
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)