

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: P770040

Luminaire Tested: LD6D65D010-EU6DR6555659024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770040
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-EU6DR6555659024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6243.0 lumens
Efficiency: N/A
Efficacy: 85.8 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

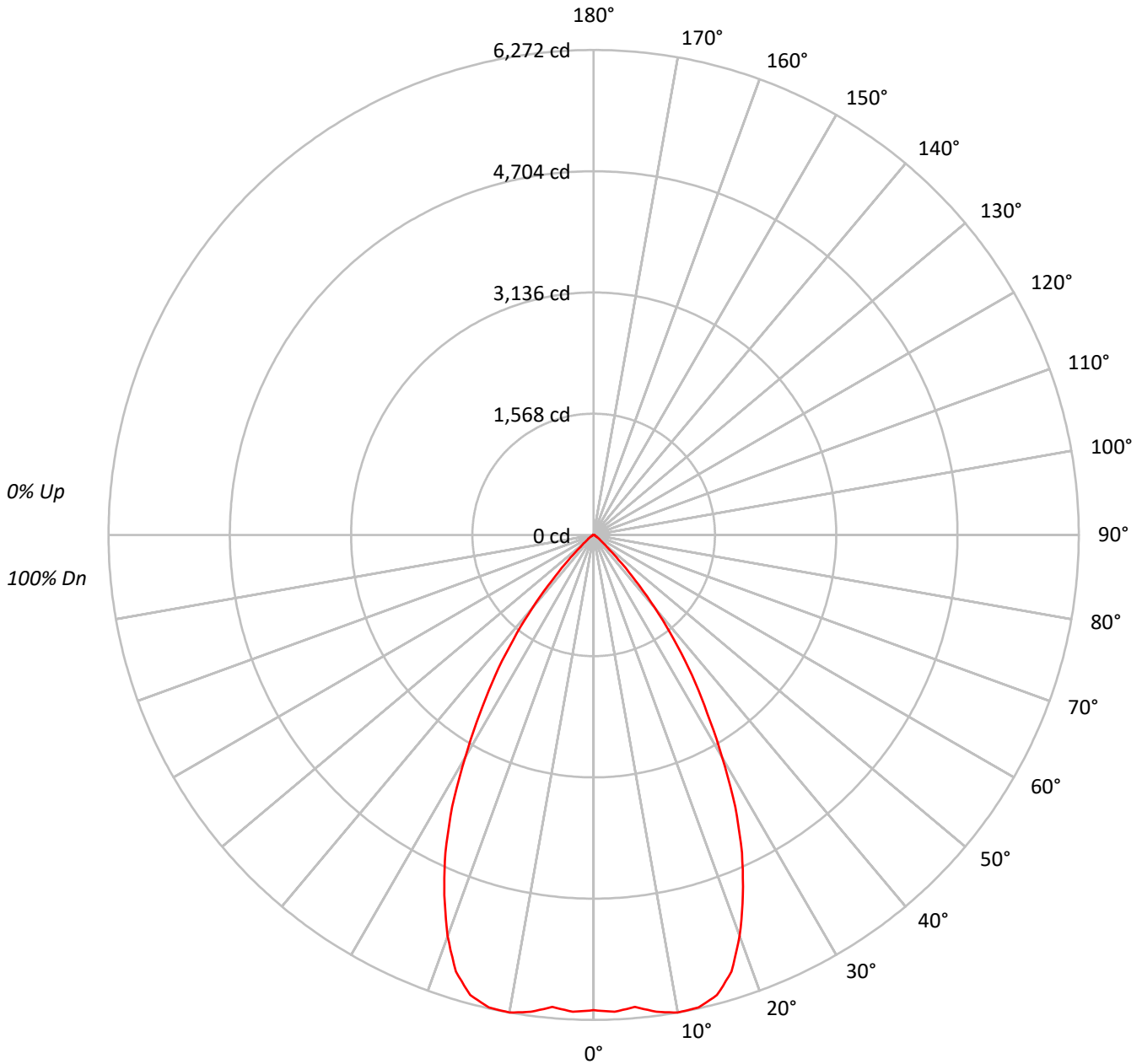
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P770040
CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P770040

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1LI

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	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°	671593
5°	672140
10°	695811
15°	696958
20°	641675
25°	546733
30°	418547
35°	295696
40°	174536
45°	70862
50°	25684
55°	14306
60°	8216
65°	4524
70°	4728
75°	3673
80°	3838
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70862 cd/sqm



TEST NUMBER: P770040

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.9	9.5
10°-20°	1707.3	27.3
20°-30°	2048.4	32.8
30°-40°	1376.6	22.1
40°-50°	412.1	6.6
50°-60°	72.7	1.2
60°-70°	20.7	0.3
70°-80°	10.1	0.2
80°-90°	3.2	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°	4347.6	69.6
0°-40°	5724.2	91.7
0°-60°	6209.0	99.5
0°-90°	6243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6243.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6147	
5°	6128	592
15°	6162	1707
25°	4535	2048
35°	2217	1377
45°	459	412
55°	75	73
65°	18	21
75°	9	10
85°	3	3
90°	0	



TEST NUMBER: P770040

CATALOG NUMBER: LD6D65D010-EU6DR6555659024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	6146.7
2.5°	6172.9
5°	6128.3
7.5°	6220.9
10°	6271.6
12.5°	6259.4
15°	6161.5
17.5°	5922.2
20°	5518.7
22.5°	5043.5
25°	4535.1
27.5°	3961.2
30°	3317.5
32.5°	2734.0
35°	2216.9
37.5°	1705.9
40°	1223.7
42.5°	799.2
45°	458.6
47.5°	242.8
50°	151.1
52.5°	104.8
55°	75.1
57.5°	54.2
60°	37.6
62.5°	24.5
65°	17.5
67.5°	15.7
70°	14.8
72.5°	11.4
75°	8.7
77.5°	7.9
80°	6.1
82.5°	4.4
85°	2.6
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)