

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: P768614

Luminaire Tested: LD6D55D010-EU6DR7055659040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR7055659040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7683.9 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

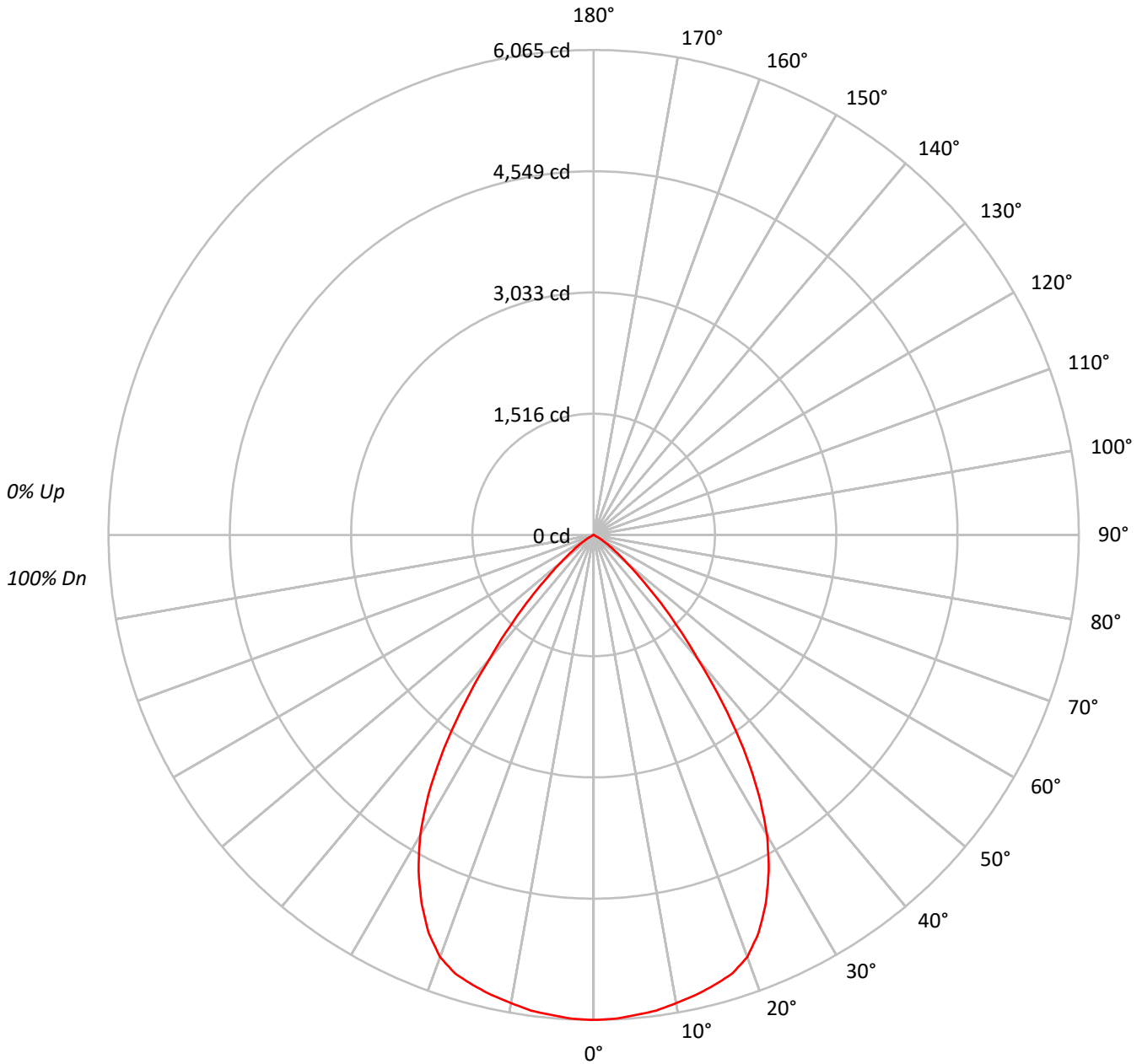
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P768614
CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P768614

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBS1LI

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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93						93													
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85						85													
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78						78													
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71						71													
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65						65													
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60						60													
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56						56													
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51						51													
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48						48													
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44						44													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	662645
5°	660986
10°	659565
15°	659370
20°	652930
25°	613340
30°	546792
35°	435962
40°	289481
45°	173060
50°	89715
55°	47165
60°	16673
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 173060 cd/sqm



TEST NUMBER: P768614

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.1	7.5
10°-20°	1643.8	21.4
20°-30°	2318.9	30.2
30°-40°	2001.8	26.1
40°-50°	896.4	11.7
50°-60°	234.7	3.1
60°-70°	15.3	0.2
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°	4535.7	59.0
0°-40°	6537.5	85.1
0°-60°	7668.6	99.8
0°-90°	7683.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7683.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6065	
5°	6027	573
15°	5829	1644
25°	5088	2319
35°	3268	2002
45°	1120	896
55°	248	235
65°	1	15
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768614

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	6064.8
2.5°	6058.3
5°	6026.6
7.5°	6000.5
10°	5944.9
12.5°	5894.7
15°	5829.2
17.5°	5754.0
20°	5615.5
22.5°	5387.6
25°	5087.6
27.5°	4739.7
30°	4334.0
32.5°	3837.8
35°	3268.5
37.5°	2640.3
40°	2029.6
42.5°	1542.1
45°	1120.0
47.5°	772.1
50°	527.8
52.5°	364.3
55°	247.6
57.5°	149.4
60°	76.3
62.5°	24.0
65°	1.1
67.5°	0.0
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)