

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: P768611

Luminaire Tested: LD6D55D010-EU6DR7055659040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR7055659040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5430.2 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

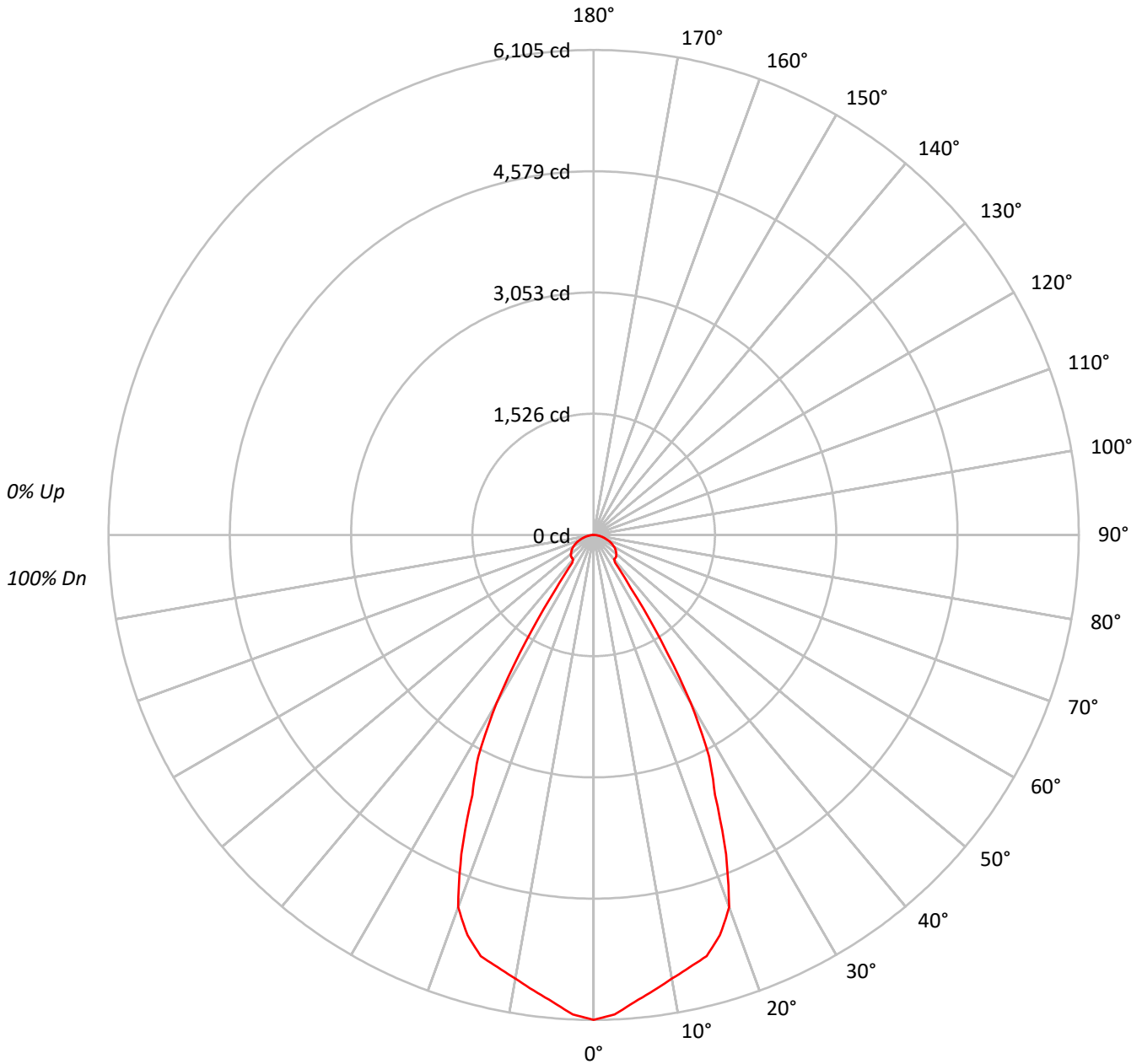
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P768611
CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P768611

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBDP1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	667059
5°	647232
10°	629199
15°	620934
20°	579830
25°	435593
30°	307927
35°	109080
40°	57351
45°	61081
50°	63249
55°	64443
60°	64857
65°	63470
70°	59898
75°	55513
80°	49267
85°	39991

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 64869 cd/sqm



TEST NUMBER: P768611

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.6	10.3
10°-20°	1526.8	28.1
20°-30°	1681.5	31.0
30°-40°	642.5	11.8
40°-50°	303.3	5.6
50°-60°	301.6	5.6
60°-70°	241.4	4.4
70°-80°	138.8	2.6
80°-90°	37.7	0.7
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°	3764.9	69.3
0°-40°	4407.4	81.2
0°-60°	5012.3	92.3
0°-90°	5430.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5430.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6105	
5°	5901	557
15°	5489	1527
25°	3613	1682
35°	818	642
45°	395	303
55°	338	302
65°	246	241
75°	132	139
85°	32	38
90°	0	



TEST NUMBER: P768611

CATALOG NUMBER: LD6D55D010-EU6DR7055659040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6105.2
2.5°	6041.4
5°	5901.2
7.5°	5784.3
10°	5671.2
12.5°	5575.5
15°	5489.4
17.5°	5281.6
20°	4986.8
22.5°	4350.8
25°	3613.2
27.5°	3145.4
30°	2440.7
32.5°	1576.6
35°	817.8
37.5°	441.7
40°	402.1
42.5°	399.2
45°	395.3
47.5°	386.6
50°	372.1
52.5°	355.7
55°	338.3
57.5°	319.0
60°	296.8
62.5°	271.6
65°	245.5
67.5°	216.5
70°	187.5
72.5°	158.5
75°	131.5
77.5°	103.4
80°	78.3
82.5°	55.1
85°	31.9
87.5°	12.6
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)