

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: P768282

Luminaire Tested: LD6D55D010-EU6DR5055659035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR5055659035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6624.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

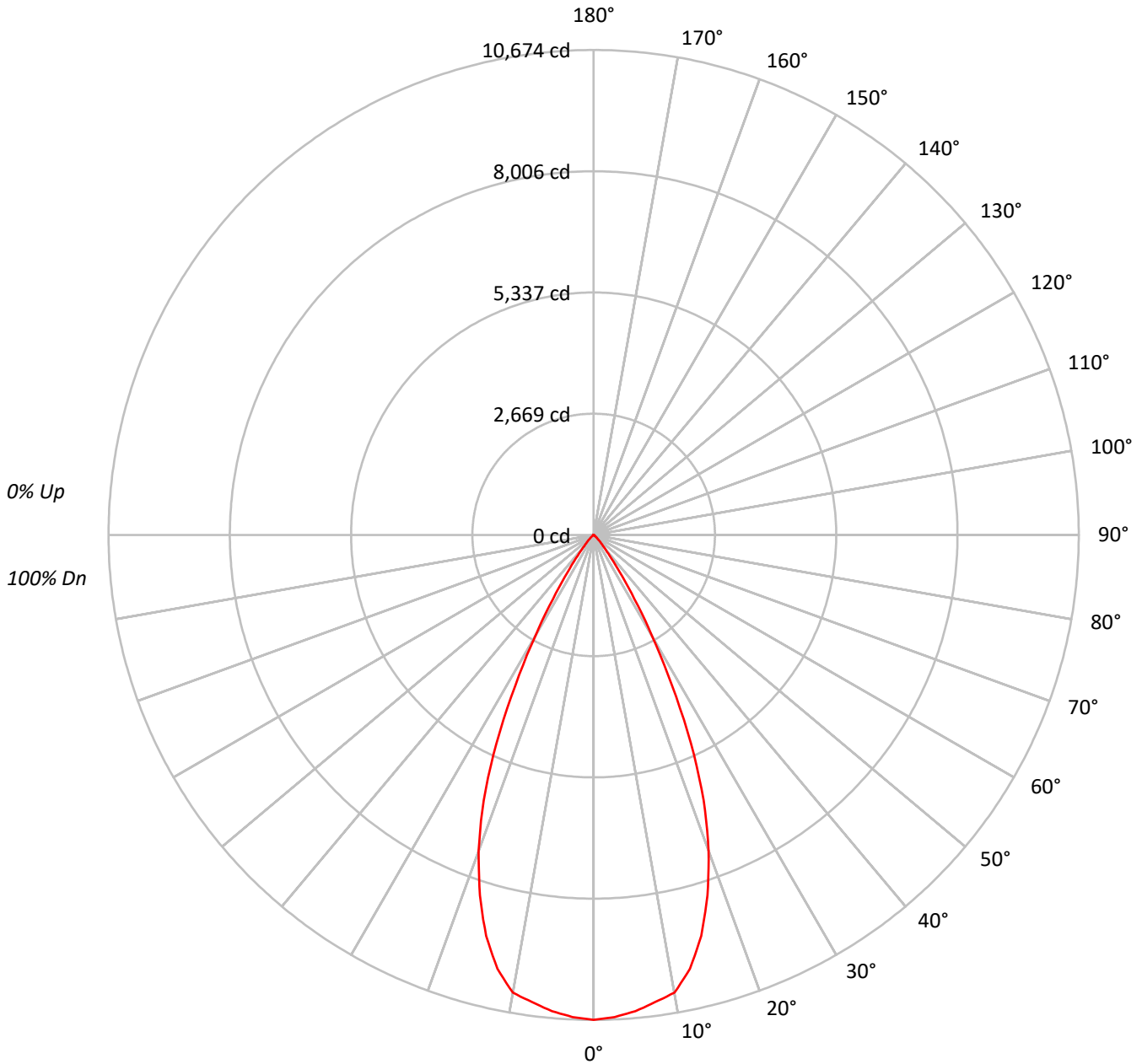
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P768282

CATALOG NUMBER: LD6D55D010-EU6DR5055659035-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P768282

CATALOG NUMBER: LD6D55D010-EU6DR5055659035-6LBCSSQMW

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1166271
5°	1154044
10°	1135036
15°	1033544
20°	860024
25°	610495
30°	323130
35°	131675
40°	48908
45°	22390
50°	9179
55°	4800
60°	2360
65°	698
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22390 cd/sqm



TEST NUMBER: P768282

CATALOG NUMBER: LD6D55D010-EU6DR5055659035-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.5	15.0
10°-20°	2513.4	37.9
20°-30°	2257.7	34.1
30°-40°	706.9	10.7
40°-50°	123.8	1.9
50°-60°	24.7	0.4
60°-70°	3.7	0.1
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°	5765.7	87.0
0°-40°	6472.6	97.7
0°-60°	6621.1	99.9
0°-90°	6624.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6624.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10674	
5°	10522	995
15°	9137	2513
25°	5064	2258
35°	987	707
45°	145	124
55°	25	25
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768282

CATALOG NUMBER: LD6D55D010-EU6DR5055659035-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

0°	
0°	10674.2
2.5°	10621.1
5°	10522.1
7.5°	10370.9
10°	10230.5
12.5°	9780.6
15°	9137.1
17.5°	8320.0
20°	7396.6
22.5°	6328.4
25°	5064.0
27.5°	3723.1
30°	2561.2
32.5°	1667.6
35°	987.2
37.5°	567.0
40°	342.9
42.5°	223.2
45°	144.9
47.5°	88.2
50°	54.0
52.5°	36.9
55°	25.2
57.5°	17.1
60°	10.8
62.5°	6.3
65°	2.7
67.5°	0.9
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)