

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: P767970

Luminaire Tested: LD6D55D010-EU6DR3055659035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR3055659035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

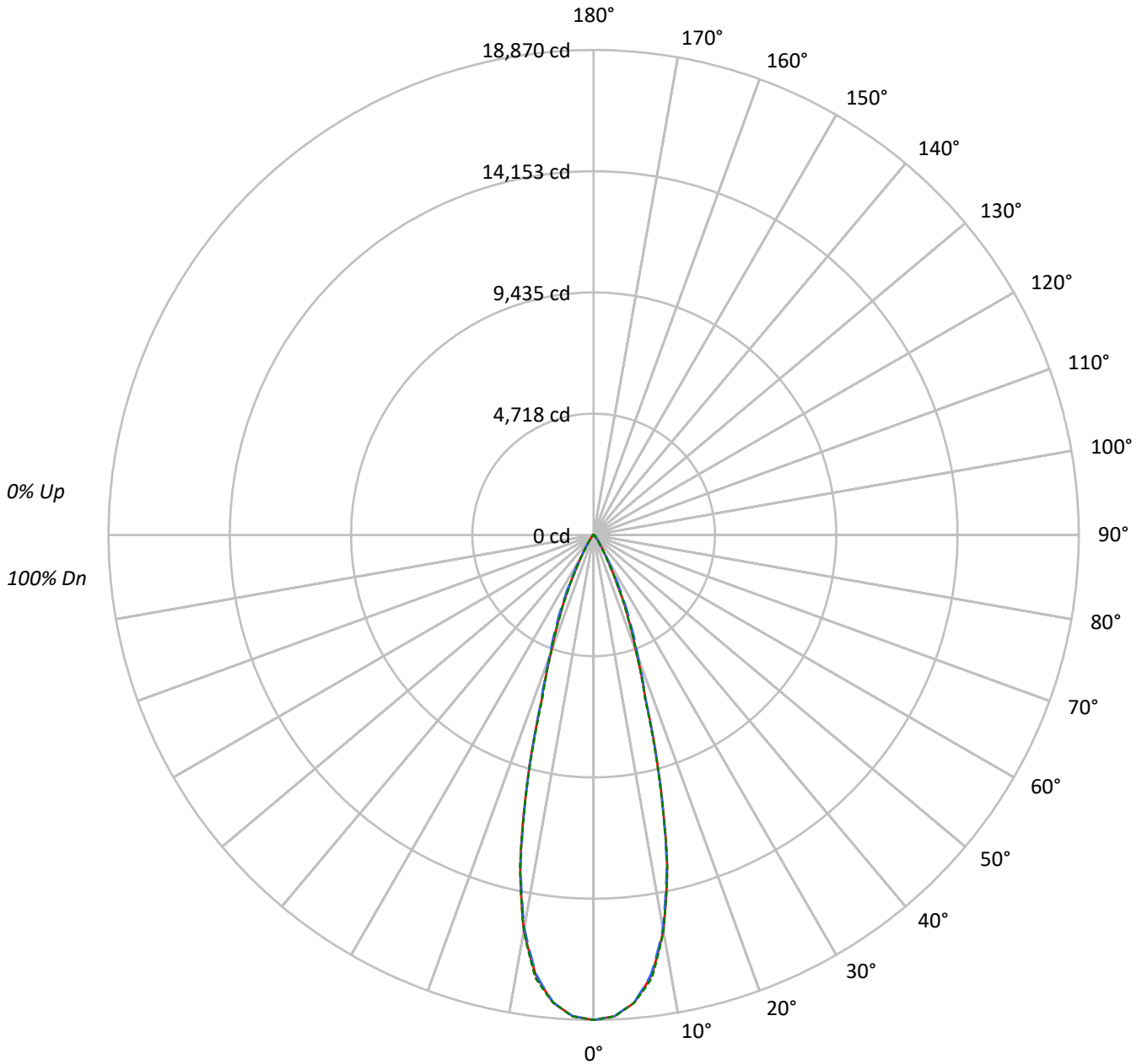
Lumens per Lamp: N/A
Luminaire Lumens: 5868.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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: P767970
CATALOG NUMBER: LD6D55D010-EU6DR3055659035-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P767970

CATALOG NUMBER: LD6D55D010-EU6DR3055659035-6LBCSSQMW

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1444351	1444351	1444351
5°	1402891	1401254	1402960
10°	1215117	1206544	1214829
15°	792800	788545	784583
20°	394222	409014	393692
25°	198582	223936	194511
30°	79511	86635	69276
35°	36882	35321	29602
40°	15917	17686	14998
45°	11236	13942	11334
50°	3858	10146	4084
55°	2229	4204	2349
60°	1561	1837	1561
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13942 cd/sqm



TEST NUMBER: P767970

CATALOG NUMBER: LD6D55D010-EU6DR3055659035-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1659.3	28.3
10°-20°	2672.3	45.5
20°-30°	1154.8	19.7
30°-40°	263.2	4.5
40°-50°	90.4	1.5
50°-60°	22.1	0.4
60°-70°	5.7	0.1
70°-80°	0.6	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°	5486.4	93.5
0°-40°	5749.6	98.0
0°-60°	5862.1	99.9
0°-90°	5868.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5868.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18870	18870	18870	18870	18870	
5°	18258	18241	18237	18275	18259	1661
15°	10005	9884	9951	9918	9901	2679
25°	2351	2440	2652	2378	2303	1125
35°	395	403	378	375	317	268
45°	104	129	129	129	105	74
55°	17	18	32	18	18	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P767970

CATALOG NUMBER: LD6D55D010-EU6DR3055659035-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18869.7	18869.7	18869.7	18869.7	18869.7
2.5°	18744.7	18731.7	18739.1	18748.4	18752.1
5°	18258.3	18240.7	18237.0	18275.0	18259.2
7.5°	17277.2	17252.2	17214.2	17300.3	17380.9
10°	15633.7	15605.9	15523.4	15564.2	15630.0
12.5°	13207.3	13117.5	13115.6	13245.3	13227.7
15°	10004.6	9884.2	9950.9	9918.5	9900.9
17.5°	6727.8	6681.5	6770.4	6743.6	6627.8
20°	4839.7	4851.8	5021.3	4936.1	4833.2
22.5°	3531.6	3575.1	3776.2	3556.6	3476.0
25°	2351.3	2440.2	2651.5	2378.2	2303.1
27.5°	1446.2	1486.9	1700.9	1427.6	1386.9
30°	899.6	879.2	980.2	841.2	783.8
32.5°	590.1	564.2	596.6	535.5	489.2
35°	394.7	403.0	378.0	375.2	316.8
37.5°	246.4	283.5	250.1	266.8	203.8
40°	159.3	205.7	177.0	195.5	150.1
42.5°	130.6	158.4	145.5	154.7	133.4
45°	103.8	128.8	128.8	128.8	104.7
47.5°	57.4	86.2	110.2	88.0	61.1
50°	32.4	43.5	85.2	45.4	34.3
52.5°	22.2	25.0	58.4	25.9	23.2
55°	16.7	17.6	31.5	18.5	17.6
57.5°	13.0	13.9	16.7	13.9	13.0
60°	10.2	10.2	12.0	11.1	10.2
62.5°	7.4	7.4	8.3	7.4	7.4
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)