

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: P768747

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768747
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: LD6D60D010-EU6DR3055659030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5878.3 lumens
Efficiency: N/A
Efficacy: 91.3 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

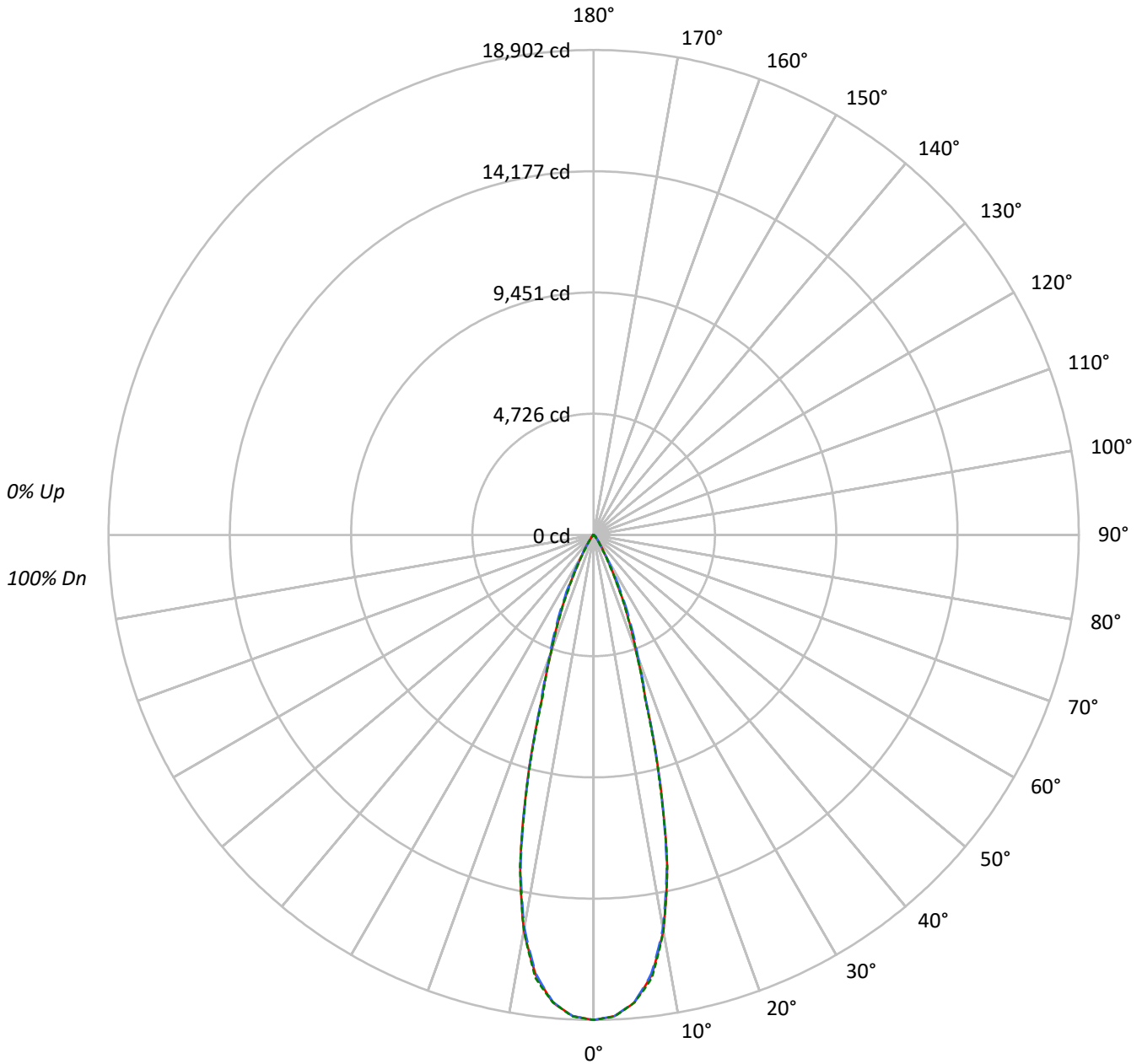
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P768747

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P768747

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBSQW1MW

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																			
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°	1446800	1446800	1446800
5°	1405265	1403628	1405334
10°	1217177	1208588	1216881
15°	794147	789876	785906
20°	394889	409706	394360
25°	198920	224316	194841
30°	79643	86776	69391
35°	36938	35377	29659
40°	15947	17706	15018
45°	11247	13964	11355
50°	3870	10169	4084
55°	2229	4217	2349
60°	1561	1852	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: 13964 cd/sqm



TEST NUMBER: P768747

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1662.1	28.3
10°-20°	2676.9	45.5
20°-30°	1156.7	19.7
30°-40°	263.6	4.5
40°-50°	90.5	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°	5495.7	93.5
0°-40°	5759.4	98.0
0°-60°	5872.0	99.9
0°-90°	5878.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5878.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18902	18902	18902	18902	18902	
5°	18289	18272	18268	18306	18290	1663
15°	10022	9901	9968	9935	9918	2683
25°	2355	2444	2656	2382	2307	1127
35°	395	404	379	376	317	268
45°	104	129	129	129	105	74
55°	17	18	32	19	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	0



TEST NUMBER: P768747

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18901.7	18901.7	18901.7	18901.7	18901.7
2.5°	18776.4	18763.4	18770.8	18780.1	18783.8
5°	18289.2	18271.6	18267.9	18305.9	18290.1
7.5°	17306.4	17281.4	17243.3	17329.6	17410.4
10°	15660.2	15632.3	15549.7	15590.6	15656.4
12.5°	13229.7	13139.7	13137.8	13267.7	13250.1
15°	10021.6	9900.9	9967.7	9935.3	9917.6
17.5°	6739.2	6692.8	6781.9	6755.0	6639.0
20°	4847.9	4860.0	5029.8	4944.4	4841.4
22.5°	3537.6	3581.2	3782.6	3562.6	3481.9
25°	2355.3	2444.4	2656.0	2382.2	2307.0
27.5°	1448.6	1489.5	1703.8	1430.1	1389.2
30°	901.1	880.7	981.8	842.6	785.1
32.5°	591.1	565.2	597.6	536.4	490.0
35°	395.3	403.7	378.6	375.8	317.4
37.5°	246.9	284.0	250.6	267.3	204.2
40°	159.6	206.0	177.2	195.8	150.3
42.5°	130.8	158.7	145.7	155.0	133.6
45°	103.9	129.0	129.0	129.0	104.9
47.5°	57.5	86.3	110.4	88.2	61.2
50°	32.5	43.6	85.4	45.5	34.3
52.5°	22.3	25.1	58.5	26.0	23.2
55°	16.7	17.6	31.6	18.6	17.6
57.5°	13.0	13.9	16.7	13.9	13.0
60°	10.2	10.2	12.1	11.1	10.2
62.5°	7.4	7.4	8.4	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)