

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P768773

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768773
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-EU6DR3055659040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6218.0 lumens
Efficiency: N/A
Efficacy: 96.6 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

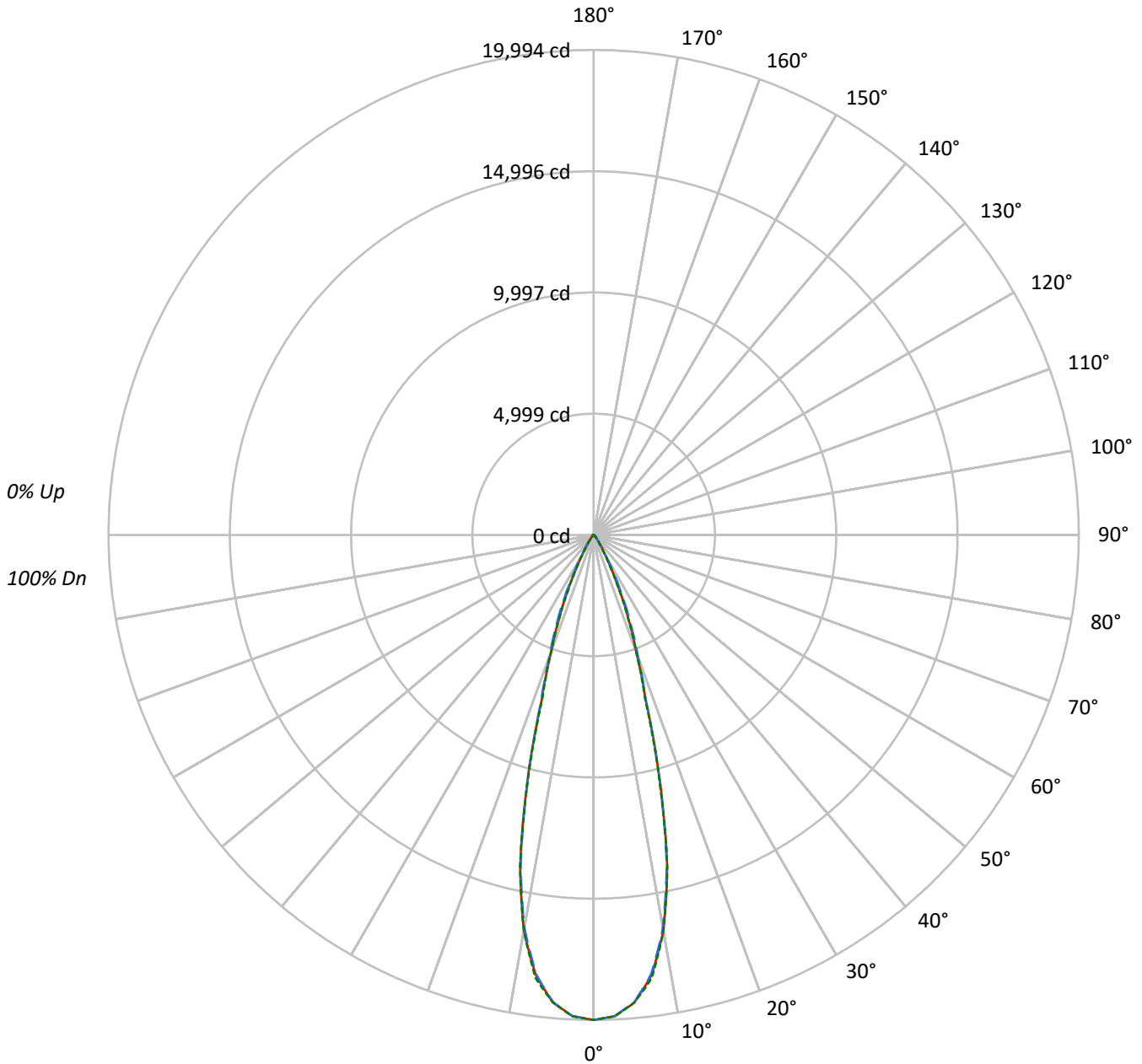
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P768773

CATALOG NUMBER: LD6D60D010-EU6DR3055659040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P768773

CATALOG NUMBER: LD6D60D010-EU6DR3055659040-6LBSQW1MW

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°	1530393	1530393	1530393
5°	1486457	1484721	1486534
10°	1287501	1278415	1287190
15°	840029	835520	831320
20°	417705	433377	417143
25°	210414	237272	206099
30°	84248	91796	73403
35°	39078	37424	31369
40°	16867	18735	15887
45°	11897	14765	12005
50°	4096	10753	4323
55°	2362	4457	2496
60°	1653	1960	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14765 cd/sqm



TEST NUMBER: P768773

CATALOG NUMBER: LD6D60D010-EU6DR3055659040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1758.1	28.3
10°-20°	2831.5	45.5
20°-30°	1223.6	19.7
30°-40°	278.9	4.5
40°-50°	95.7	1.5
50°-60°	23.4	0.4
60°-70°	6.1	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°	5813.2	93.5
0°-40°	6092.1	98.0
0°-60°	6211.3	99.9
0°-90°	6218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19994	19994	19994	19994	19994	
5°	19346	19327	19323	19364	19347	1760
15°	10601	10473	10544	10509	10491	2838
25°	2491	2586	2809	2520	2440	1193
35°	418	427	400	398	336	284
45°	110	136	136	136	111	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P768773

CATALOG NUMBER: LD6D60D010-EU6DR3055659040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19993.8	19993.8	19993.8	19993.8	19993.8
2.5°	19861.3	19847.5	19855.4	19865.2	19869.1
5°	19345.9	19327.3	19323.3	19363.6	19346.9
7.5°	18306.4	18279.9	18239.6	18330.9	18416.3
10°	16565.0	16535.5	16448.1	16491.3	16561.0
12.5°	13994.1	13898.9	13896.9	14034.3	14015.7
15°	10600.6	10473.0	10543.7	10509.3	10490.7
17.5°	7128.6	7079.5	7173.7	7145.3	7022.6
20°	5128.0	5140.8	5320.4	5230.1	5121.1
22.5°	3742.0	3788.1	4001.1	3768.5	3683.1
25°	2491.4	2585.6	2809.4	2519.8	2440.3
27.5°	1532.3	1575.5	1802.3	1512.7	1469.5
30°	953.2	931.6	1038.6	891.3	830.5
32.5°	625.3	597.8	632.2	567.4	518.3
35°	418.2	427.0	400.5	397.6	335.7
37.5°	261.1	300.4	265.0	282.7	216.0
40°	168.8	217.9	187.5	207.1	159.0
42.5°	138.4	167.9	154.1	163.9	141.4
45°	109.9	136.4	136.4	136.4	110.9
47.5°	60.9	91.3	116.8	93.3	64.8
50°	34.4	46.1	90.3	48.1	36.3
52.5°	23.6	26.5	61.8	27.5	24.5
55°	17.7	18.7	33.4	19.6	18.7
57.5°	13.7	14.7	17.7	14.7	13.7
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.8	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)