

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: P769491

Luminaire Tested: LD6D65D010-EU6DR3055659024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769491
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: LD6D65D010-EU6DR3055659024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

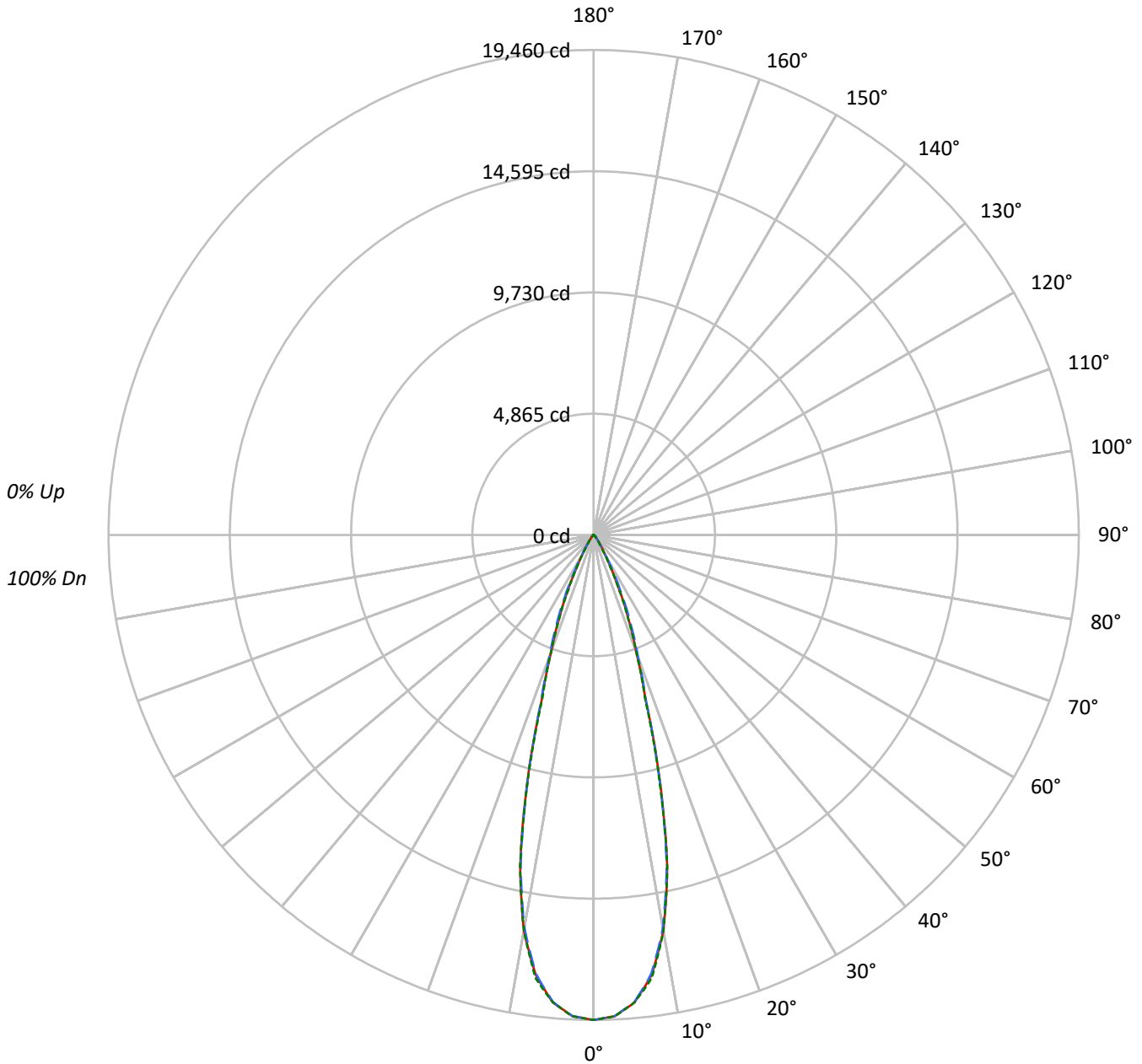
Lumens per Lamp: N/A
Luminaire Lumens: 6051.9 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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: P769491
CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P769491

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBCSSQMW

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	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°	1489519	1489519	1489519
5°	1446764	1445074	1446833
10°	1253116	1244279	1252821
15°	817595	813205	809116
20°	406554	421802	406008
25°	204790	230937	200601
30°	81994	89339	71441
35°	38031	36424	30537
40°	16417	18235	15468
45°	11583	14375	11691
50°	3977	10467	4215
55°	2295	4337	2429
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	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: 14375 cd/sqm



TEST NUMBER: P769491

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1711.2	28.3
10°-20°	2755.9	45.5
20°-30°	1190.9	19.7
30°-40°	271.4	4.5
40°-50°	93.2	1.5
50°-60°	22.8	0.4
60°-70°	5.9	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°	5658.0	93.5
0°-40°	5929.4	98.0
0°-60°	6045.4	99.9
0°-90°	6051.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6051.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19460	19460	19460	19460	19460	
5°	18829	18811	18807	18846	18830	1713
15°	10318	10193	10262	10229	10210	2763
25°	2425	2517	2734	2452	2375	1161
35°	407	416	390	387	327	276
45°	107	133	133	133	108	76
55°	17	18	32	19	18	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: P769491

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19459.8	19459.8	19459.8	19459.8	19459.8
2.5°	19330.8	19317.5	19325.1	19334.7	19338.5
5°	18829.3	18811.1	18807.3	18846.5	18830.2
7.5°	17817.5	17791.7	17752.5	17841.4	17924.5
10°	16122.6	16093.9	16008.9	16050.9	16118.8
12.5°	13620.3	13527.7	13525.8	13659.5	13641.4
15°	10317.5	10193.3	10262.1	10228.6	10210.5
17.5°	6938.2	6890.4	6982.1	6954.4	6835.0
20°	4991.1	5003.5	5178.3	5090.4	4984.4
22.5°	3642.0	3686.9	3894.3	3667.8	3584.7
25°	2424.8	2516.6	2734.4	2452.5	2375.2
27.5°	1491.4	1533.4	1754.1	1472.3	1430.3
30°	927.7	906.7	1010.8	867.5	808.3
32.5°	608.6	581.8	615.3	552.2	504.5
35°	407.0	415.6	389.8	386.9	326.8
37.5°	254.1	292.4	258.0	275.2	210.2
40°	164.3	212.1	182.5	201.6	154.8
42.5°	134.7	163.4	150.0	159.6	137.6
45°	107.0	132.8	132.8	132.8	108.0
47.5°	59.2	88.9	113.7	90.8	63.1
50°	33.4	44.9	87.9	46.8	35.4
52.5°	22.9	25.8	60.2	26.8	23.9
55°	17.2	18.2	32.5	19.1	18.2
57.5°	13.4	14.3	17.2	14.3	13.4
60°	10.5	10.5	12.4	11.5	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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)