

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: P772530

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR7070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

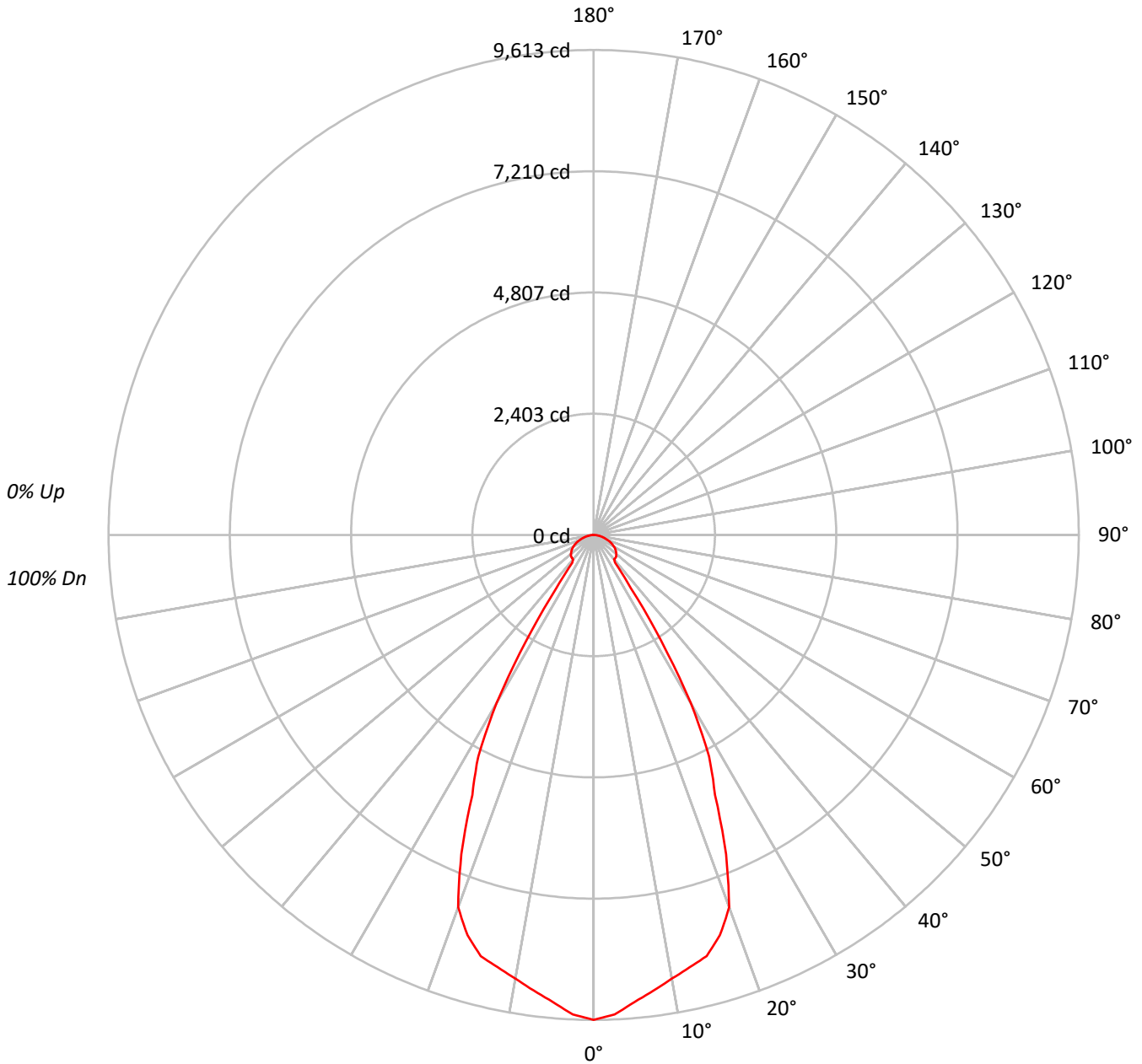
Lumens per Lamp: N/A
Luminaire Lumens: 8550.6 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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: P772530
CATALOG NUMBER: LD6D80BD010-EU6DR7070959050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P772530

CATALOG NUMBER: LD6D80BD010-EU6DR7070959050-6LBSQW1MW

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1050367
5°	1019151
10°	990739
15°	977744
20°	913009
25°	685903
30°	484871
35°	171757
40°	90313
45°	96187
50°	99608
55°	101474
60°	102115
65°	99949
70°	94336
75°	87385
80°	77581
85°	62932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 102144 cd/sqm



TEST NUMBER: P772530

CATALOG NUMBER: LD6D80BD010-EU6DR7070959050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.4	10.3
10°-20°	2404.1	28.1
20°-30°	2647.8	31.0
30°-40°	1011.6	11.8
40°-50°	477.7	5.6
50°-60°	474.9	5.6
60°-70°	380.2	4.4
70°-80°	218.5	2.6
80°-90°	59.4	0.7
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°	5928.3	69.3
0°-40°	6939.9	81.2
0°-60°	7892.5	92.3
0°-90°	8550.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8550.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9613	
5°	9292	876
15°	8644	2404
25°	5690	2648
35°	1288	1012
45°	622	478
55°	533	475
65°	387	380
75°	207	219
85°	50	59
90°	0	



TEST NUMBER: P772530

CATALOG NUMBER: LD6D80BD010-EU6DR7070959050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9613.4
2.5°	9512.9
5°	9292.2
7.5°	9108.0
10°	8929.9
12.5°	8779.3
15°	8643.8
17.5°	8316.6
20°	7852.3
22.5°	6850.8
25°	5689.5
27.5°	4952.8
30°	3843.2
32.5°	2482.5
35°	1287.7
37.5°	695.6
40°	633.2
42.5°	628.6
45°	622.5
47.5°	608.8
50°	586.0
52.5°	560.1
55°	532.7
57.5°	502.3
60°	467.3
62.5°	427.7
65°	386.6
67.5°	340.9
70°	295.3
72.5°	249.6
75°	207.0
77.5°	162.9
80°	123.3
82.5°	86.8
85°	50.2
87.5°	19.8
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)