

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: P769982

Luminaire Tested: LD6D65D010-EU6DR6055659027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR6055659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6928.9 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

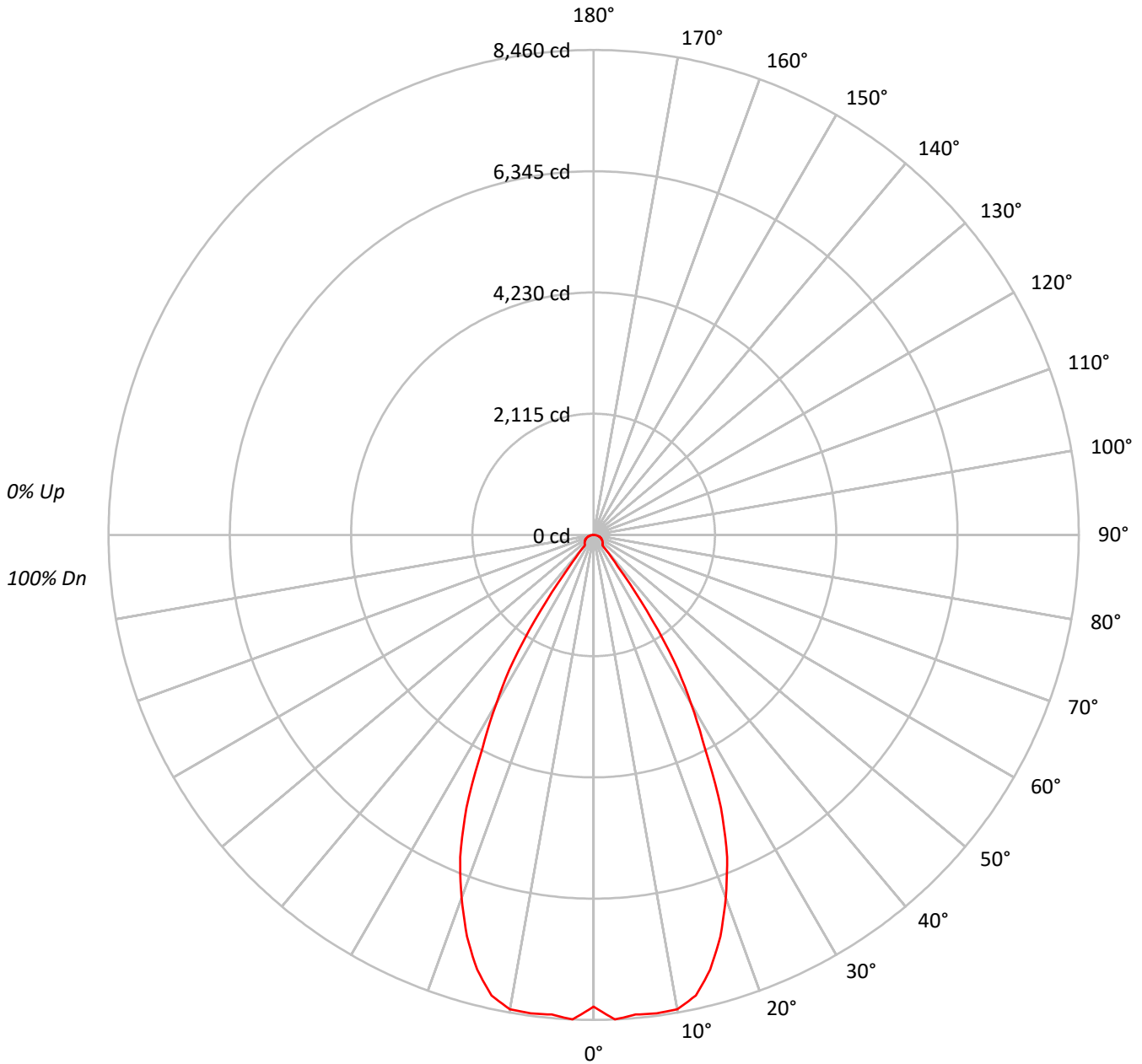
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P769982

CATALOG NUMBER: LD6D65D010-EU6DR6055659027-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P769982

CATALOG NUMBER: LD6D65D010-EU6DR6055659027-6LBSQW1MW

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	899096
5°	921208
10°	932326
15°	888168
20°	783098
25°	633389
30°	428438
35°	214693
40°	34830
45°	34087
50°	34761
55°	35298
60°	36275
65°	37099
70°	37983
75°	38416
80°	37060
85°	30839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 38416 cd/sqm



TEST NUMBER: P769982

CATALOG NUMBER: LD6D65D010-EU6DR6055659027-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.7	11.6
10°-20°	2171.9	31.3
20°-30°	2336.8	33.7
30°-40°	1015.8	14.7
40°-50°	170.6	2.5
50°-60°	165.9	2.4
60°-70°	141.9	2.0
70°-80°	94.9	1.4
80°-90°	28.4	0.4
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°	5311.4	76.7
0°-40°	6327.2	91.3
0°-60°	6663.6	96.2
0°-90°	6928.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6928.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8229	
5°	8399	803
15°	7852	2172
25°	5254	2337
35°	1610	1016
45°	221	171
55°	185	166
65°	144	142
75°	91	95
85°	25	28
90°	0	



TEST NUMBER: P769982

CATALOG NUMBER: LD6D65D010-EU6DR6055659027-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8228.9
2.5°	8460.2
5°	8399.2
7.5°	8418.4
10°	8403.4
12.5°	8230.0
15°	7851.9
17.5°	7344.3
20°	6735.0
22.5°	6082.8
25°	5253.9
27.5°	4202.3
30°	3395.9
32.5°	2617.3
35°	1609.6
37.5°	688.6
40°	244.2
42.5°	224.9
45°	220.6
47.5°	213.1
50°	204.5
52.5°	194.9
55°	185.3
57.5°	175.6
60°	166.0
62.5°	155.3
65°	143.5
67.5°	131.7
70°	118.9
72.5°	104.9
75°	91.0
77.5°	75.0
80°	58.9
82.5°	41.8
85°	24.6
87.5°	8.6
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)