

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: P752073

Luminaire Tested: LD4D65D010-EU4DR7055659027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752073
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: LD4D65D010-EU4DR7055659027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4027.4 lumens
Efficiency: N/A
Efficacy: 55.3 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

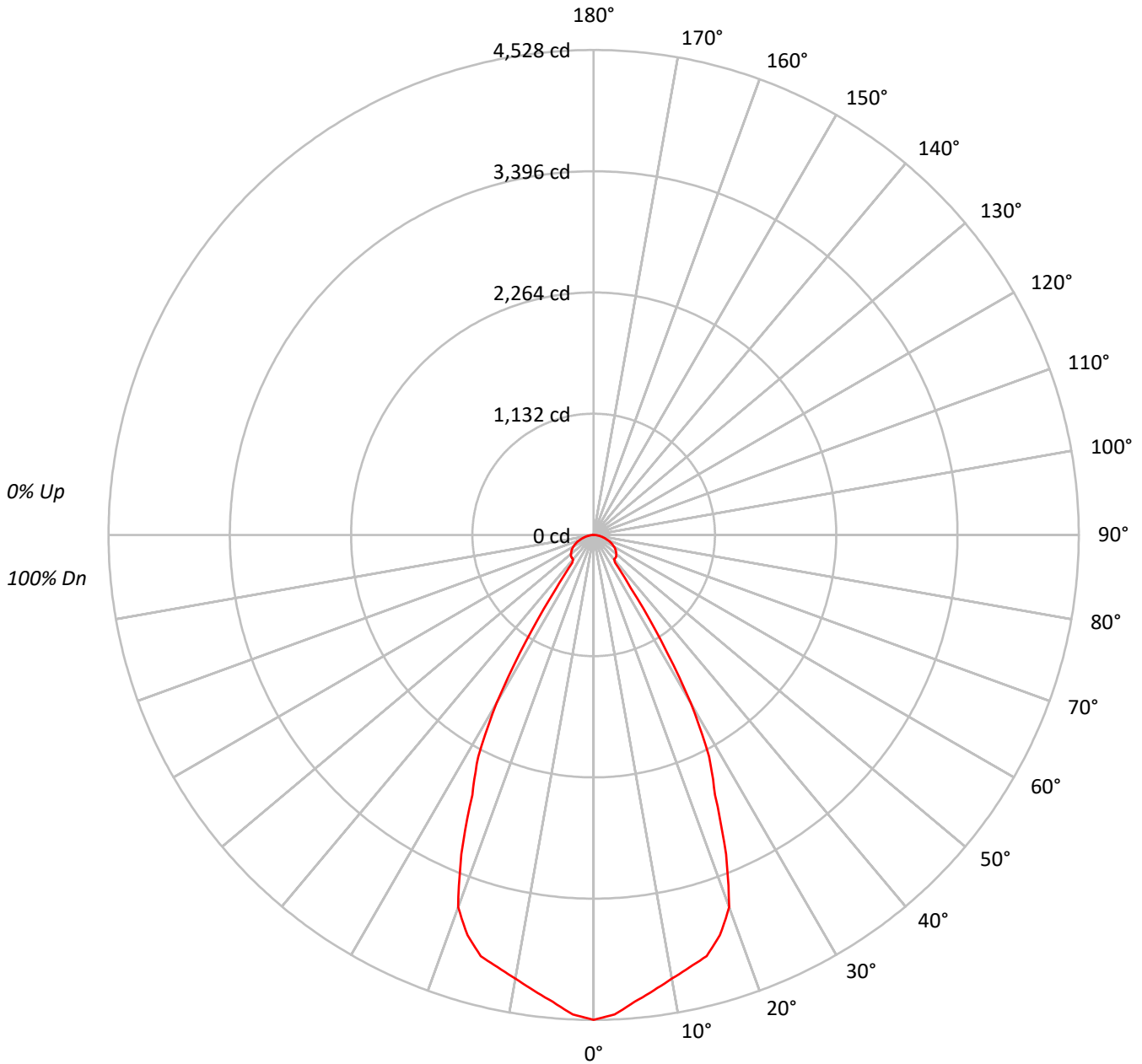
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P752073

CATALOG NUMBER: LD4D65D010-EU4DR7055659027-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P752073

CATALOG NUMBER: LD4D65D010-EU4DR7055659027-4LBSQW1B

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°	494722
5°	480028
10°	466640
15°	460525
20°	430035
25°	323066
30°	228381
35°	80897
40°	42532
45°	45305
50°	46914
55°	47794
60°	48097
65°	47079
70°	44436
75°	41160
80°	36557
85°	29711

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 48113 cd/sqm



TEST NUMBER: P752073

CATALOG NUMBER: LD4D65D010-EU4DR7055659027-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	10.2
10°-20°	1132.3	28.1
20°-30°	1247.1	31.0
30°-40°	476.5	11.8
40°-50°	225.0	5.6
50°-60°	223.7	5.6
60°-70°	179.1	4.4
70°-80°	102.9	2.6
80°-90°	28.0	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°	2792.3	69.3
0°-40°	3268.7	81.2
0°-60°	3717.4	92.3
0°-90°	4027.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4027.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4528	
5°	4377	413
15°	4071	1132
25°	2680	1247
35°	606	476
45°	293	225
55°	251	224
65°	182	179
75°	98	103
85°	24	28
90°	0	



TEST NUMBER: P752073

CATALOG NUMBER: LD4D65D010-EU4DR7055659027-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4527.9
2.5°	4480.6
5°	4376.7
7.5°	4289.9
10°	4206.0
12.5°	4135.1
15°	4071.3
17.5°	3917.1
20°	3698.5
22.5°	3226.8
25°	2679.8
27.5°	2332.8
30°	1810.2
32.5°	1169.3
35°	606.5
37.5°	327.6
40°	298.2
42.5°	296.1
45°	293.2
47.5°	286.8
50°	276.0
52.5°	263.8
55°	250.9
57.5°	236.6
60°	220.1
62.5°	201.4
65°	182.1
67.5°	160.6
70°	139.1
72.5°	117.6
75°	97.5
77.5°	76.7
80°	58.1
82.5°	40.9
85°	23.7
87.5°	9.3
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





— 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)