

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: P751909

Luminaire Tested: LD4D65D010-EU4DR6055659027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751909
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: LD4D65D010-EU4DR6055659027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100.9 lumens
Efficiency: N/A
Efficacy: 70.1 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

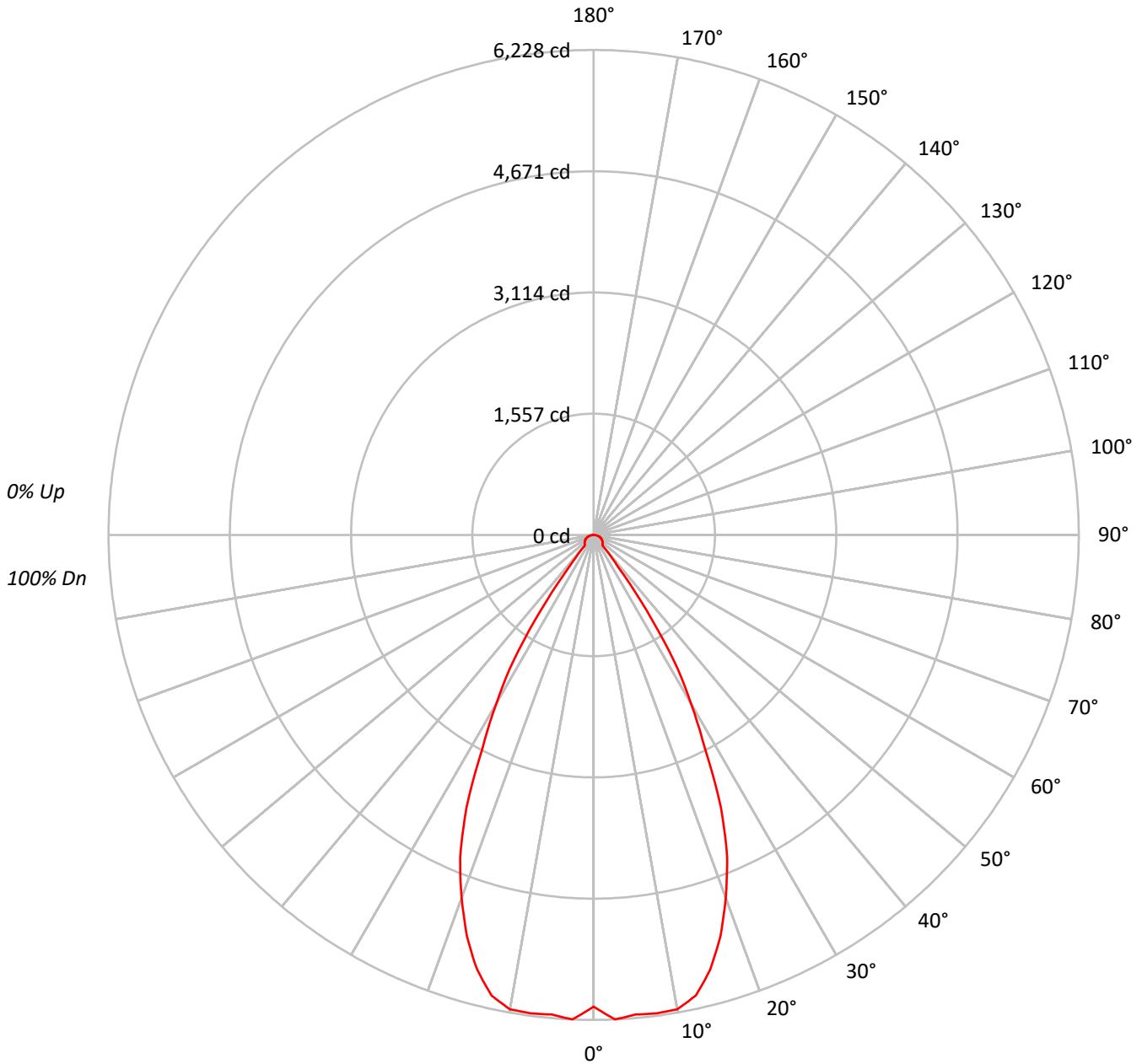
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P751909
CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P751909

CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	661891
5°	678173
10°	686358
15°	653850
20°	576492
25°	466286
30°	315409
35°	158045
40°	25645
45°	25094
50°	25599
55°	25983
60°	26703
65°	27301
70°	27952
75°	28284
80°	27308
85°	22691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28284 cd/sqm



TEST NUMBER: P751909

CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.0	11.6
10°-20°	1598.9	31.3
20°-30°	1720.3	33.7
30°-40°	747.8	14.7
40°-50°	125.6	2.5
50°-60°	122.1	2.4
60°-70°	104.4	2.0
70°-80°	69.9	1.4
80°-90°	20.9	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°	3910.1	76.7
0°-40°	4657.9	91.3
0°-60°	4905.6	96.2
0°-90°	5100.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5100.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6058	
5°	6183	591
15°	5780	1599
25°	3868	1720
35°	1185	748
45°	162	126
55°	136	122
65°	106	104
75°	67	70
85°	18	21
90°	0	



TEST NUMBER: P751909

CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	6057.9
2.5°	6228.2
5°	6183.3
7.5°	6197.5
10°	6186.4
12.5°	6058.7
15°	5780.4
17.5°	5406.7
20°	4958.1
22.5°	4478.0
25°	3867.8
27.5°	3093.6
30°	2500.0
32.5°	1926.8
35°	1184.9
37.5°	506.9
40°	179.8
42.5°	165.6
45°	162.4
47.5°	156.9
50°	150.6
52.5°	143.5
55°	136.4
57.5°	129.3
60°	122.2
62.5°	114.3
65°	105.6
67.5°	97.0
70°	87.5
72.5°	77.3
75°	67.0
77.5°	55.2
80°	43.4
82.5°	30.7
85°	18.1
87.5°	6.3
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



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)