

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: P751910

Luminaire Tested: LD4D65D010-EU4DR6055659027-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751910  
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-EU4DR6055659027-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6477.4 lumens  
Efficiency: N/A  
Efficacy: 89.0 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

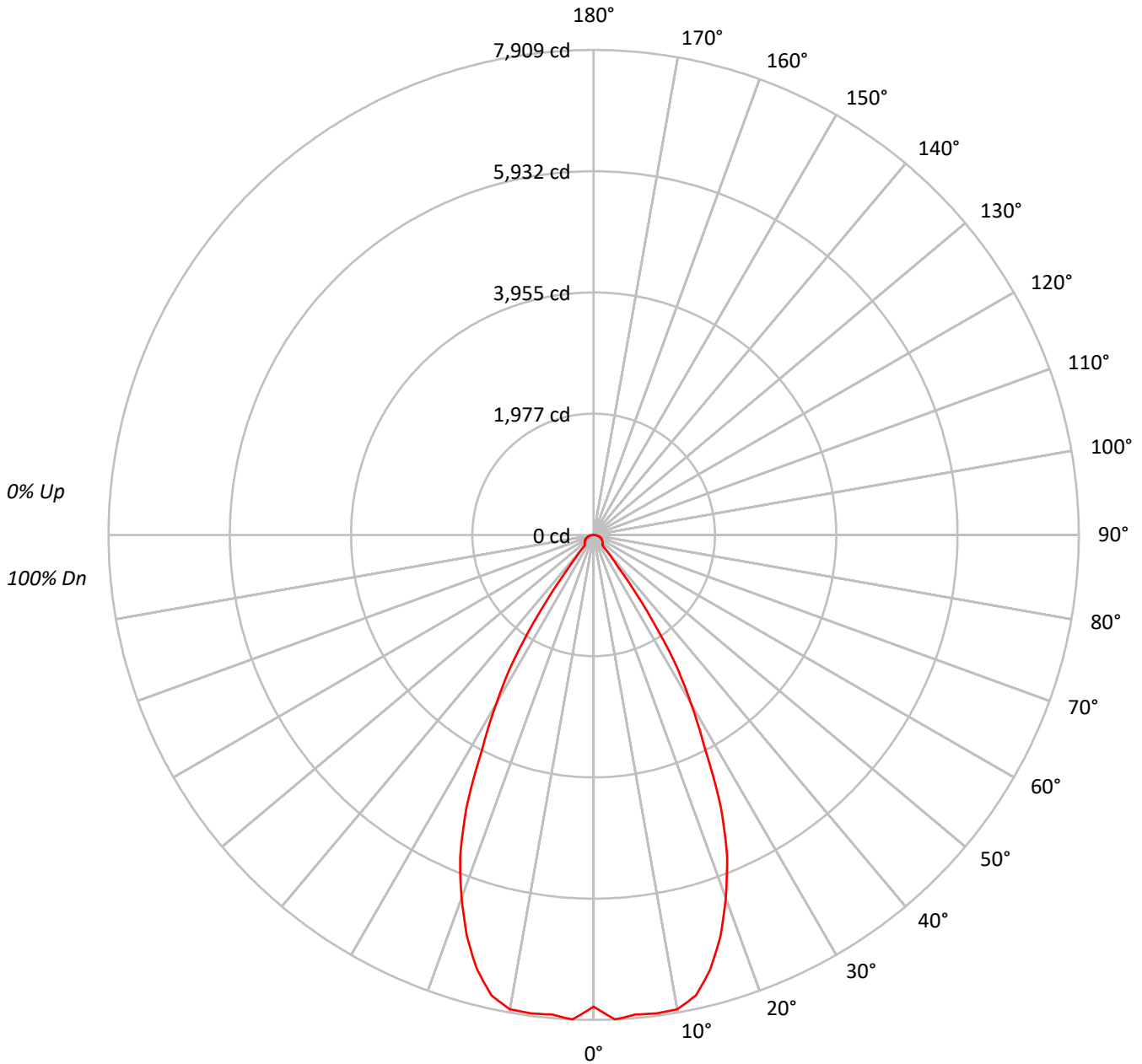
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P751910  
CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P751910

CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1H

**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°	840521
5°	861193
10°	871594
15°	830310
20°	732077
25°	592122
30°	400518
35°	200701
40°	32562
45°	31862
50°	32500
55°	32993
60°	33915
65°	34695
70°	35492
75°	35925
80°	34669
85°	28833

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 35925 cd/sqm



TEST NUMBER: P751910

CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	750.5	11.6
10°-20°	2030.4	31.3
20°-30°	2184.5	33.7
30°-40°	949.6	14.7
40°-50°	159.5	2.5
50°-60°	155.1	2.4
60°-70°	132.6	2.0
70°-80°	88.8	1.4
80°-90°	26.5	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°	4965.4	76.7
0°-40°	5915.0	91.3
0°-60°	6229.5	96.2
0°-90°	6477.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6477.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7693	
5°	7852	750
15°	7340	2030
25°	4912	2185
35°	1505	950
45°	206	159
55°	173	155
65°	134	133
75°	85	89
85°	23	27
90°	0	



TEST NUMBER: P751910  
CATALOG NUMBER: LD4D65D010-EU4DR6055659027-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7692.8
2.5°	7909.1
5°	7852.0
7.5°	7870.0
10°	7856.0
12.5°	7693.8
15°	7340.4
17.5°	6865.9
20°	6296.2
22.5°	5686.5
25°	4911.6
27.5°	3928.5
30°	3174.6
32.5°	2446.8
35°	1504.7
37.5°	643.7
40°	228.3
42.5°	210.2
45°	206.2
47.5°	199.2
50°	191.2
52.5°	182.2
55°	173.2
57.5°	164.2
60°	155.2
62.5°	145.2
65°	134.2
67.5°	123.1
70°	111.1
72.5°	98.1
75°	85.1
77.5°	70.1
80°	55.1
82.5°	39.0
85°	23.0
87.5°	8.0
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)