

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: P750404

Luminaire Tested: LD4D55D010-EU4DR6055659050-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750404  
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: LD4D55D010-EU4DR6055659050-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5293.7 lumens  
Efficiency: N/A  
Efficacy: 91.0 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

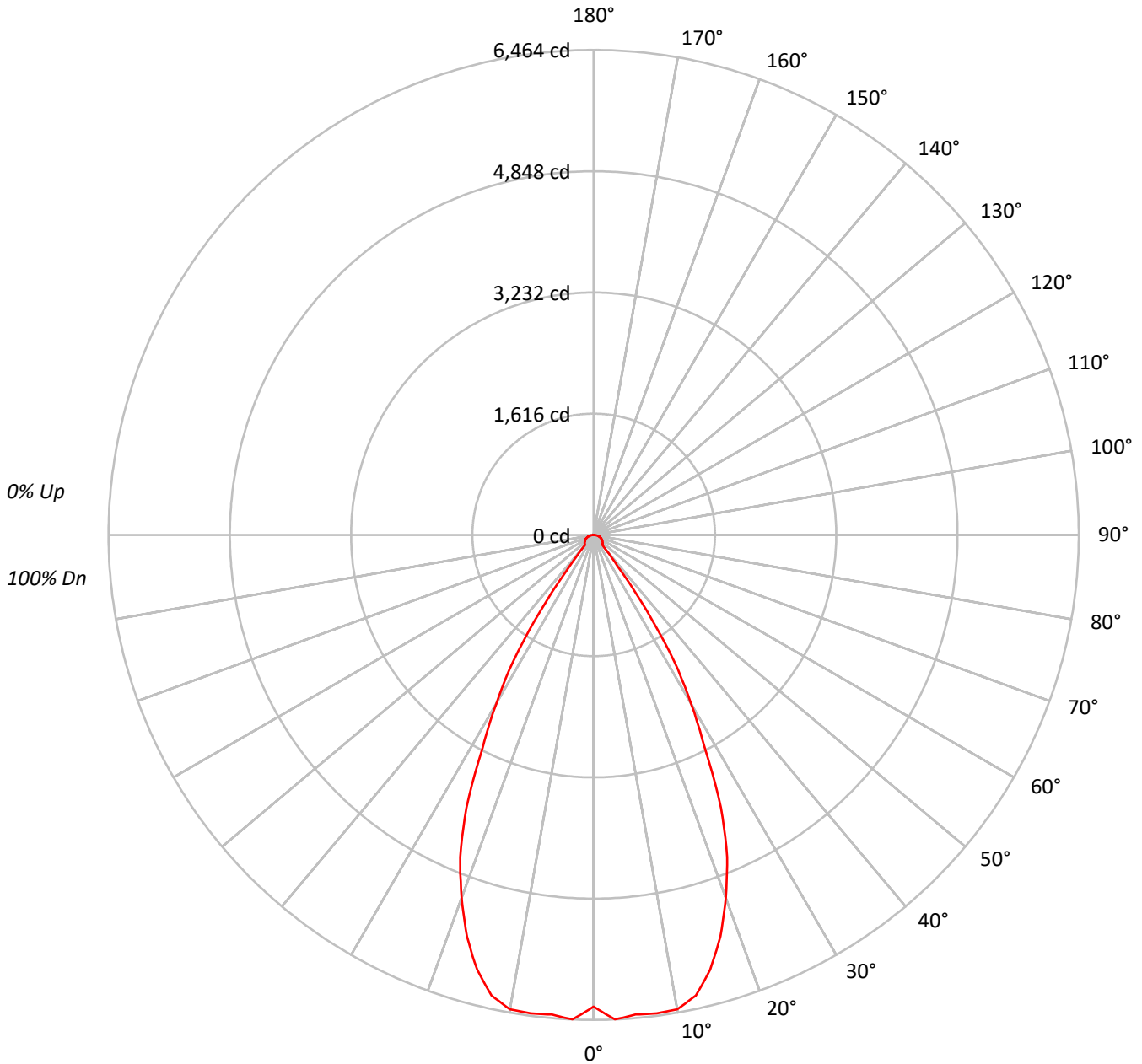
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P750404  
CATALOG NUMBER: LD4D55D010-EU4DR6055659050-4LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P750404

CATALOG NUMBER: LD4D55D010-EU4DR6055659050-4LBDP1MW

**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
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°	686922
5°	703815
10°	712319
15°	678577
20°	598294
25°	483923
30°	327331
35°	164021
40°	26600
45°	26036
50°	26568
55°	26954
60°	27709
65°	28335
70°	29007
75°	29340
80°	28314
85°	23568

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 29340 cd/sqm



TEST NUMBER: P750404

CATALOG NUMBER: LD4D55D010-EU4DR6055659050-4LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	613.3	11.6
10°-20°	1659.4	31.3
20°-30°	1785.3	33.7
30°-40°	776.0	14.7
40°-50°	130.3	2.5
50°-60°	126.7	2.4
60°-70°	108.4	2.0
70°-80°	72.5	1.4
80°-90°	21.7	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°	4058.0	76.7
0°-40°	4834.0	91.3
0°-60°	5091.1	96.2
0°-90°	5293.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5293.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6287	
5°	6417	613
15°	5999	1659
25°	4014	1785
35°	1230	776
45°	168	130
55°	142	127
65°	110	108
75°	70	73
85°	19	22
90°	0	



TEST NUMBER: P750404

CATALOG NUMBER: LD4D55D010-EU4DR6055659050-4LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6287.0
2.5°	6463.7
5°	6417.1
7.5°	6431.8
10°	6420.4
12.5°	6287.8
15°	5999.0
17.5°	5611.2
20°	5145.6
22.5°	4647.3
25°	4014.1
27.5°	3210.6
30°	2594.5
32.5°	1999.7
35°	1229.7
37.5°	526.1
40°	186.5
42.5°	171.8
45°	168.5
47.5°	162.8
50°	156.3
52.5°	148.9
55°	141.5
57.5°	134.2
60°	126.8
62.5°	118.6
65°	109.6
67.5°	100.6
70°	90.8
72.5°	80.2
75°	69.5
77.5°	57.3
80°	45.0
82.5°	31.9
85°	18.8
87.5°	6.5
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)