

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: P750390

Luminaire Tested: LD4D55D010-EU4DR6055659040-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750390  
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-EU4DR6055659040-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6094.3 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

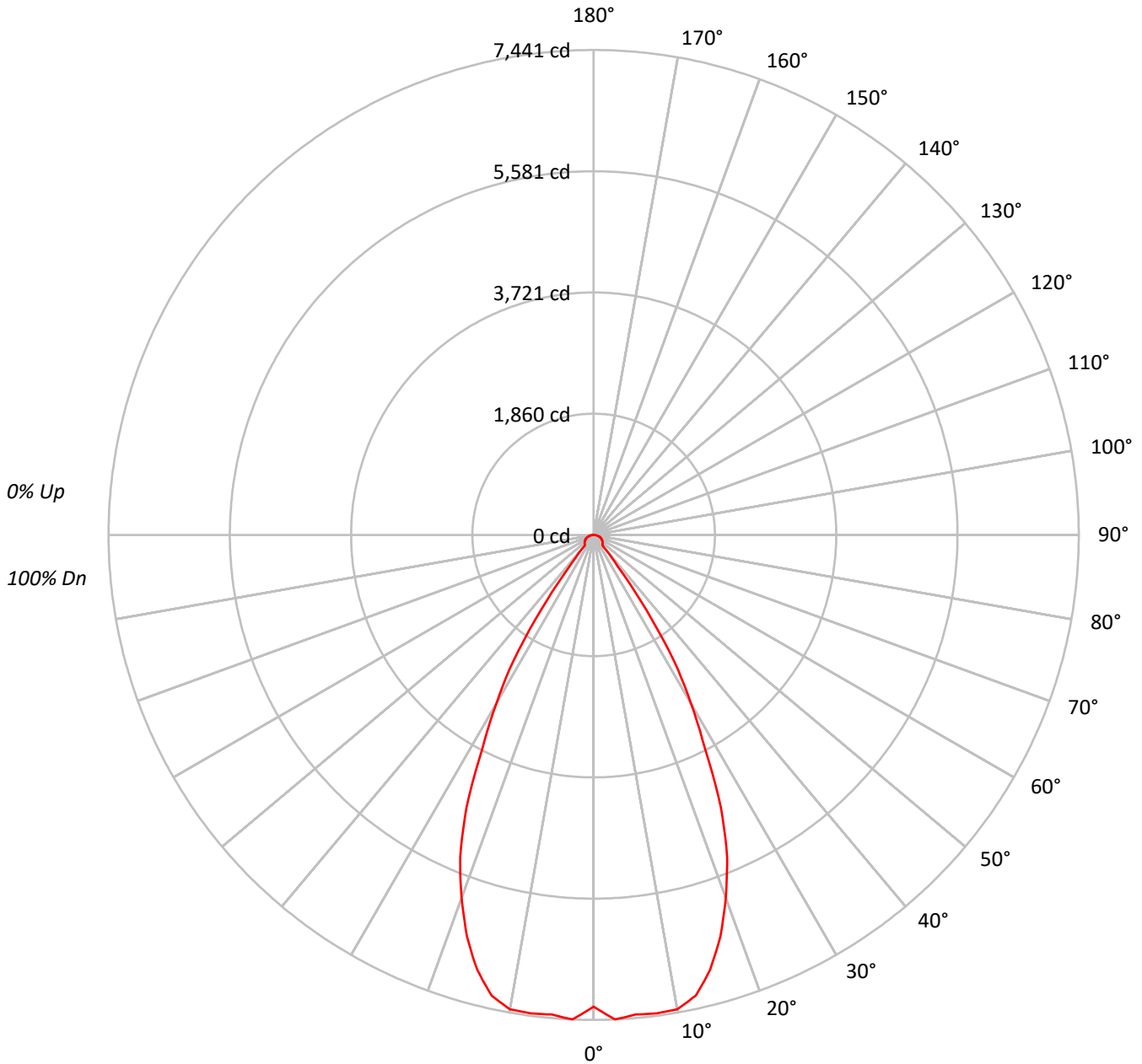
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P750390  
CATALOG NUMBER: LD4D55D010-EU4DR6055659040-4LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P750390  
 CATALOG NUMBER: LD4D55D010-EU4DR6055659040-4LBDP1LI

**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°	790797
5°	810247
10°	820026
15°	781184
20°	688766
25°	557101
30°	376825
35°	188830
40°	30637
45°	29976
50°	30579
55°	31050
60°	31904
65°	32627
70°	33415
75°	33814
80°	32593
85°	27204

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 33814 cd/sqm



TEST NUMBER: P750390

CATALOG NUMBER: LD4D55D010-EU4DR6055659040-4LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	706.1	11.6
10°-20°	1910.3	31.3
20°-30°	2055.3	33.7
30°-40°	893.4	14.7
40°-50°	150.0	2.5
50°-60°	145.9	2.4
60°-70°	124.8	2.0
70°-80°	83.5	1.4
80°-90°	25.0	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°	4671.6	76.7
0°-40°	5565.0	91.3
0°-60°	5861.0	96.2
0°-90°	6094.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6094.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7238	
5°	7388	706
15°	6906	1910
25°	4621	2055
35°	1416	893
45°	194	150
55°	163	146
65°	126	125
75°	80	84
85°	22	25
90°	0	



TEST NUMBER: P750390

CATALOG NUMBER: LD4D55D010-EU4DR6055659040-4LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7237.7
2.5°	7441.2
5°	7387.5
7.5°	7404.4
10°	7391.2
12.5°	7238.6
15°	6906.1
17.5°	6459.7
20°	5923.7
22.5°	5350.1
25°	4621.1
27.5°	3696.1
30°	2986.8
32.5°	2302.0
35°	1415.7
37.5°	605.7
40°	214.8
42.5°	197.8
45°	194.0
47.5°	187.4
50°	179.9
52.5°	171.4
55°	163.0
57.5°	154.5
60°	146.0
62.5°	136.6
65°	126.2
67.5°	115.9
70°	104.6
72.5°	92.3
75°	80.1
77.5°	65.9
80°	51.8
82.5°	36.7
85°	21.7
87.5°	7.5
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)