

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: P750519

Luminaire Tested: LD4D55D010-EU4DR7055659030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750519
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: LD4D55D010-EU4DR7055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5523.0 lumens
Efficiency: N/A
Efficacy: 94.9 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

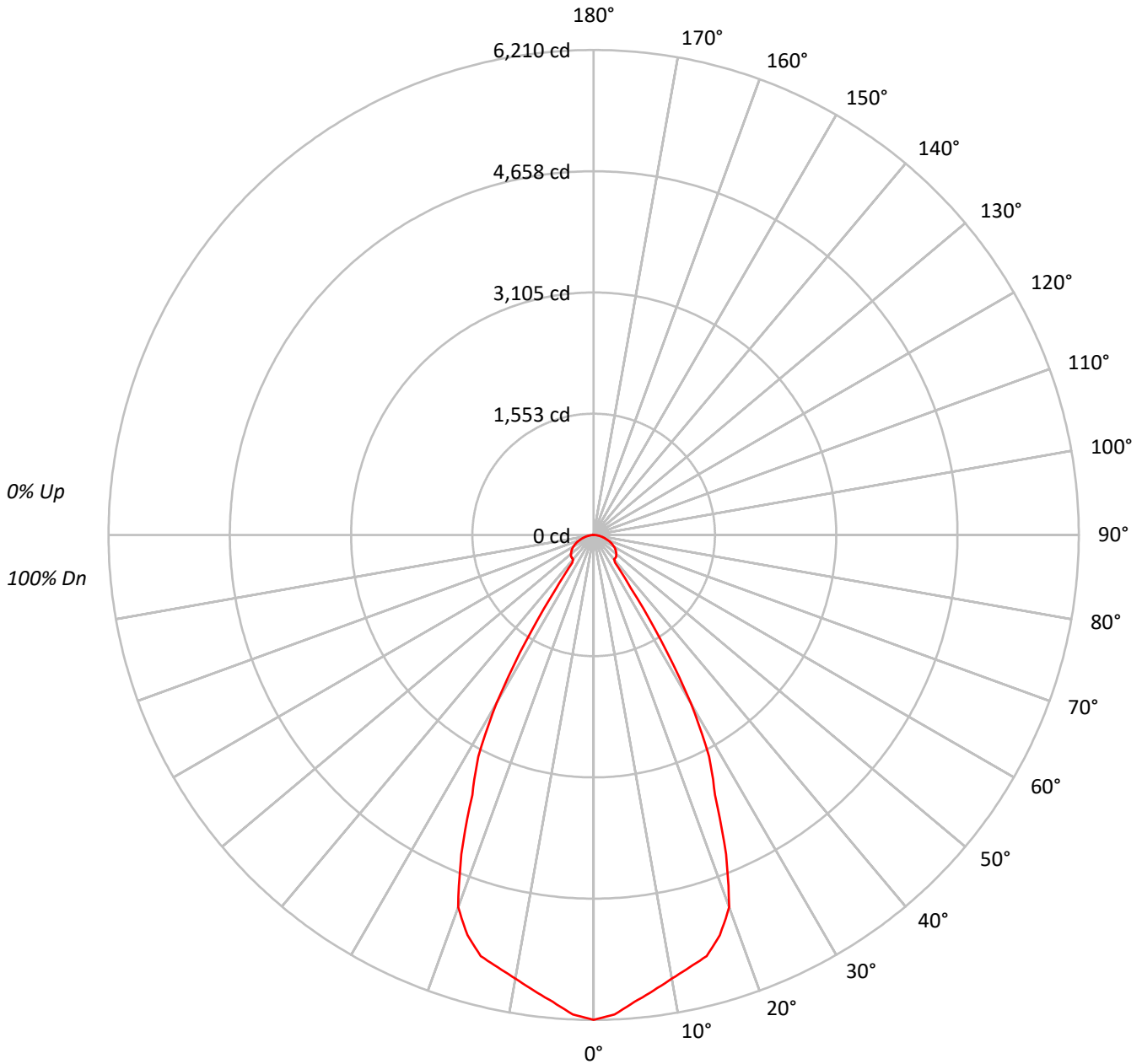
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P750519
CATALOG NUMBER: LD4D55D010-EU4DR7055659030-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P750519

CATALOG NUMBER: LD4D55D010-EU4DR7055659030-4LBDP1H

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	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°	678455
5°	658288
10°	639938
15°	631544
20°	589736
25°	443031
30°	313188
35°	110934
40°	58336
45°	62132
50°	64337
55°	65548
60°	65950
65°	64556
70°	60920
75°	56442
80°	50085
85°	40618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 65967 cd/sqm



TEST NUMBER: P750519

CATALOG NUMBER: LD4D55D010-EU4DR7055659030-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.1	10.3
10°-20°	1552.8	28.1
20°-30°	1710.2	31.0
30°-40°	653.4	11.8
40°-50°	308.5	5.6
50°-60°	306.7	5.6
60°-70°	245.6	4.4
70°-80°	141.1	2.6
80°-90°	38.4	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°	3829.2	69.3
0°-40°	4482.6	81.2
0°-60°	5097.9	92.3
0°-90°	5523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5523.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6210	
5°	6002	566
15°	5583	1553
25°	3675	1710
35°	832	653
45°	402	309
55°	344	307
65°	250	246
75°	134	141
85°	32	38
90°	0	



TEST NUMBER: P750519
CATALOG NUMBER: LD4D55D010-EU4DR7055659030-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	6209.5
2.5°	6144.6
5°	6002.0
7.5°	5883.1
10°	5768.0
12.5°	5670.7
15°	5583.2
17.5°	5371.8
20°	5072.0
22.5°	4425.1
25°	3674.9
27.5°	3199.1
30°	2482.4
32.5°	1603.5
35°	831.7
37.5°	449.3
40°	409.0
42.5°	406.0
45°	402.1
47.5°	393.3
50°	378.5
52.5°	361.8
55°	344.1
57.5°	324.4
60°	301.8
62.5°	276.3
65°	249.7
67.5°	220.2
70°	190.7
72.5°	161.2
75°	133.7
77.5°	105.2
80°	79.6
82.5°	56.0
85°	32.4
87.5°	12.8
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)