

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: P751924

Luminaire Tested: LD4D65D010-EU4DR6055659030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751924
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-EU4DR6055659030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7006.9 lumens
Efficiency: N/A
Efficacy: 96.2 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

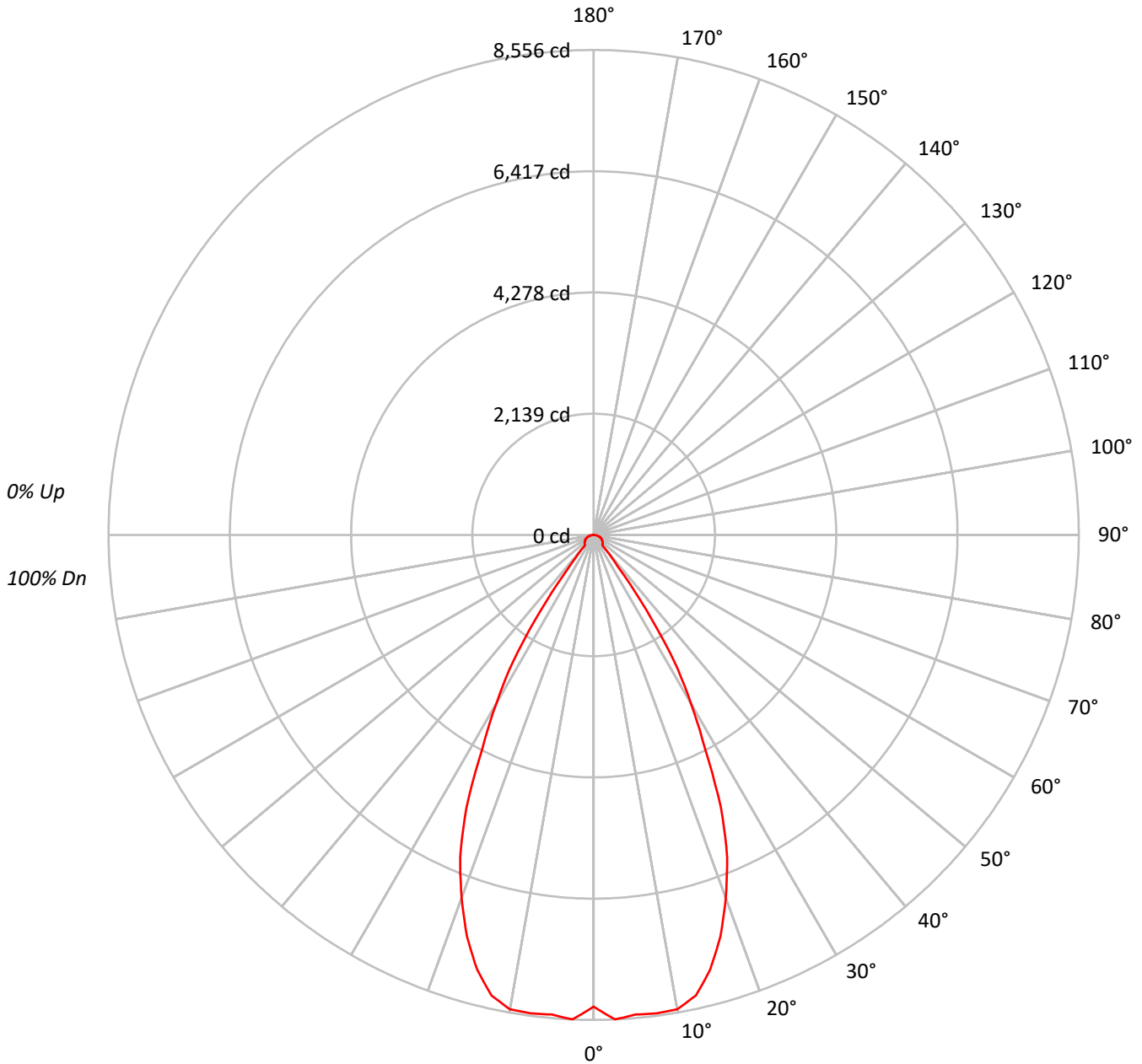
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P751924
CATALOG NUMBER: LD4D65D010-EU4DR6055659030-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P751924

CATALOG NUMBER: LD4D65D010-EU4DR6055659030-4LBDP1LI

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°	909224
5°	931584
10°	942833
15°	898179
20°	791911
25°	640526
30°	433258
35°	217107
40°	35215
45°	34473
50°	35152
55°	35698
60°	36690
65°	37513
70°	38399
75°	38880
80°	37501
85°	31215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 38880 cd/sqm



TEST NUMBER: P751924

CATALOG NUMBER: LD4D65D010-EU4DR6055659030-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.8	11.6
10°-20°	2196.4	31.3
20°-30°	2363.1	33.7
30°-40°	1027.2	14.7
40°-50°	172.5	2.5
50°-60°	167.8	2.4
60°-70°	143.5	2.0
70°-80°	96.0	1.4
80°-90°	28.7	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°	5371.2	76.7
0°-40°	6398.4	91.3
0°-60°	6738.7	96.2
0°-90°	7006.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7006.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8322	
5°	8494	812
15°	7940	2196
25°	5313	2363
35°	1628	1027
45°	223	173
55°	187	168
65°	145	143
75°	92	96
85°	25	29
90°	0	



TEST NUMBER: P751924

CATALOG NUMBER: LD4D65D010-EU4DR6055659030-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8321.6
2.5°	8555.5
5°	8493.8
7.5°	8513.3
10°	8498.1
12.5°	8322.7
15°	7940.4
17.5°	7427.0
20°	6810.8
22.5°	6151.3
25°	5313.1
27.5°	4249.6
30°	3434.1
32.5°	2646.8
35°	1627.7
37.5°	696.4
40°	246.9
42.5°	227.4
45°	223.1
47.5°	215.5
50°	206.8
52.5°	197.1
55°	187.4
57.5°	177.6
60°	167.9
62.5°	157.0
65°	145.1
67.5°	133.2
70°	120.2
72.5°	106.1
75°	92.1
77.5°	75.8
80°	59.6
82.5°	42.2
85°	24.9
87.5°	8.7
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)