

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: P750546

Luminaire Tested: LD4D55D010-EU4DR7055659040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750546
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-EU4DR7055659040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6134.2 lumens
Efficiency: N/A
Efficacy: 105.4 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

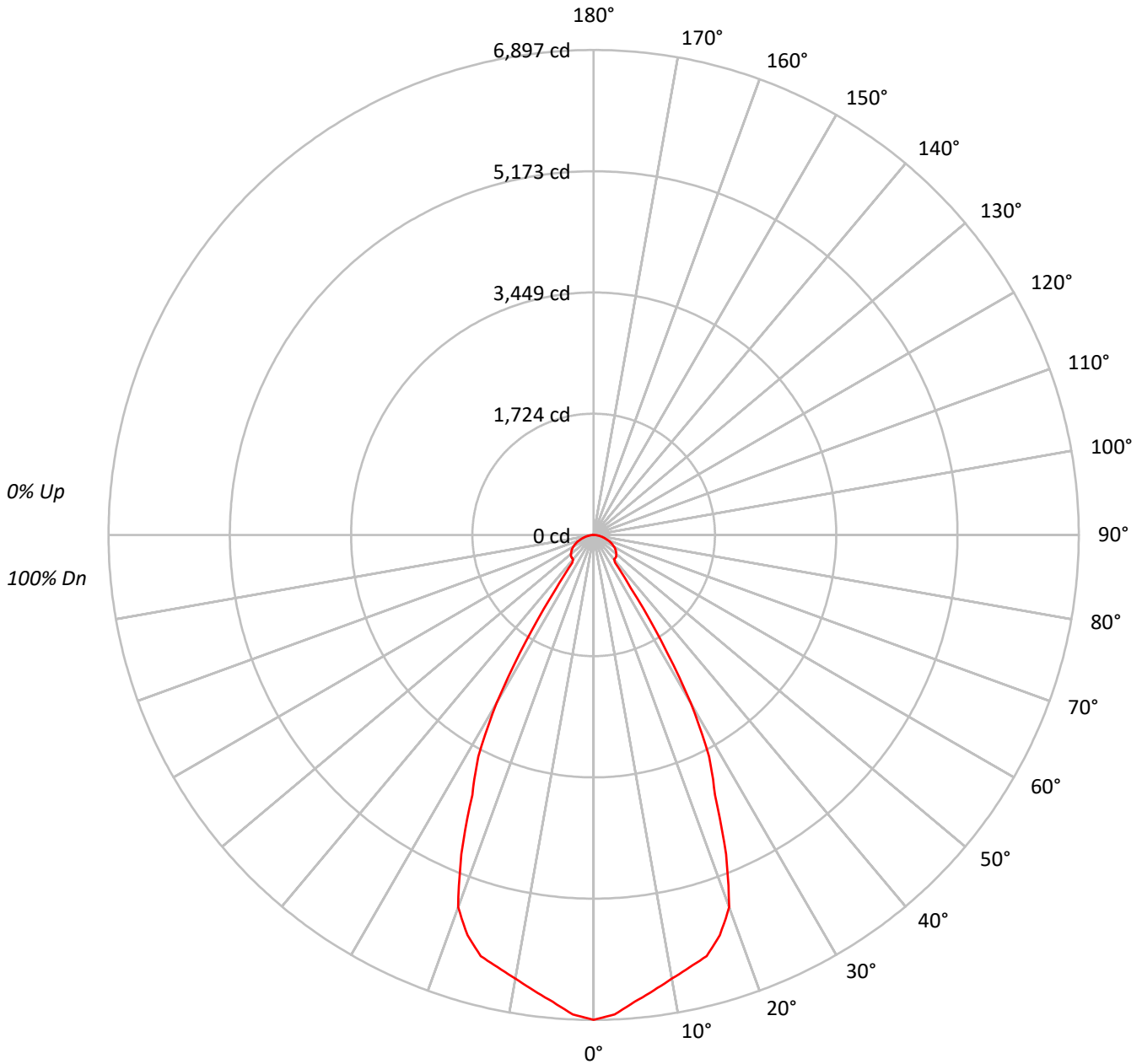
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P750546
CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P750546
 CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBDP1LI

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	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°	753528
5°	731136
10°	710766
15°	701438
20°	655000
25°	492061
30°	347845
35°	123219
40°	64782
45°	69008
50°	71459
55°	72805
60°	73248
65°	71717
70°	67661
75°	62689
80°	55622
85°	45131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 73268 cd/sqm



TEST NUMBER: P750546

CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.8	10.3
10°-20°	1724.7	28.1
20°-30°	1899.5	31.0
30°-40°	725.7	11.8
40°-50°	342.7	5.6
50°-60°	340.7	5.6
60°-70°	272.8	4.4
70°-80°	156.8	2.6
80°-90°	42.6	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°	4253.0	69.3
0°-40°	4978.7	81.2
0°-60°	5662.1	92.3
0°-90°	6134.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6134.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6897	
5°	6666	629
15°	6201	1725
25°	4082	1899
35°	924	726
45°	447	343
55°	382	341
65°	277	273
75°	148	157
85°	36	43
90°	0	



TEST NUMBER: P750546

CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6896.6
2.5°	6824.6
5°	6666.2
7.5°	6534.1
10°	6406.4
12.5°	6298.3
15°	6201.1
17.5°	5966.3
20°	5633.3
22.5°	4914.8
25°	4081.6
27.5°	3553.1
30°	2757.1
32.5°	1780.9
35°	923.8
37.5°	499.0
40°	454.2
42.5°	451.0
45°	446.6
47.5°	436.8
50°	420.4
52.5°	401.8
55°	382.2
57.5°	360.3
60°	335.2
62.5°	306.8
65°	277.4
67.5°	244.6
70°	211.8
72.5°	179.1
75°	148.5
77.5°	116.8
80°	88.4
82.5°	62.2
85°	36.0
87.5°	14.2
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)