

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: P751402

Luminaire Tested: LD4D65D010-EU4DR2555659040-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR2555659040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4956.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

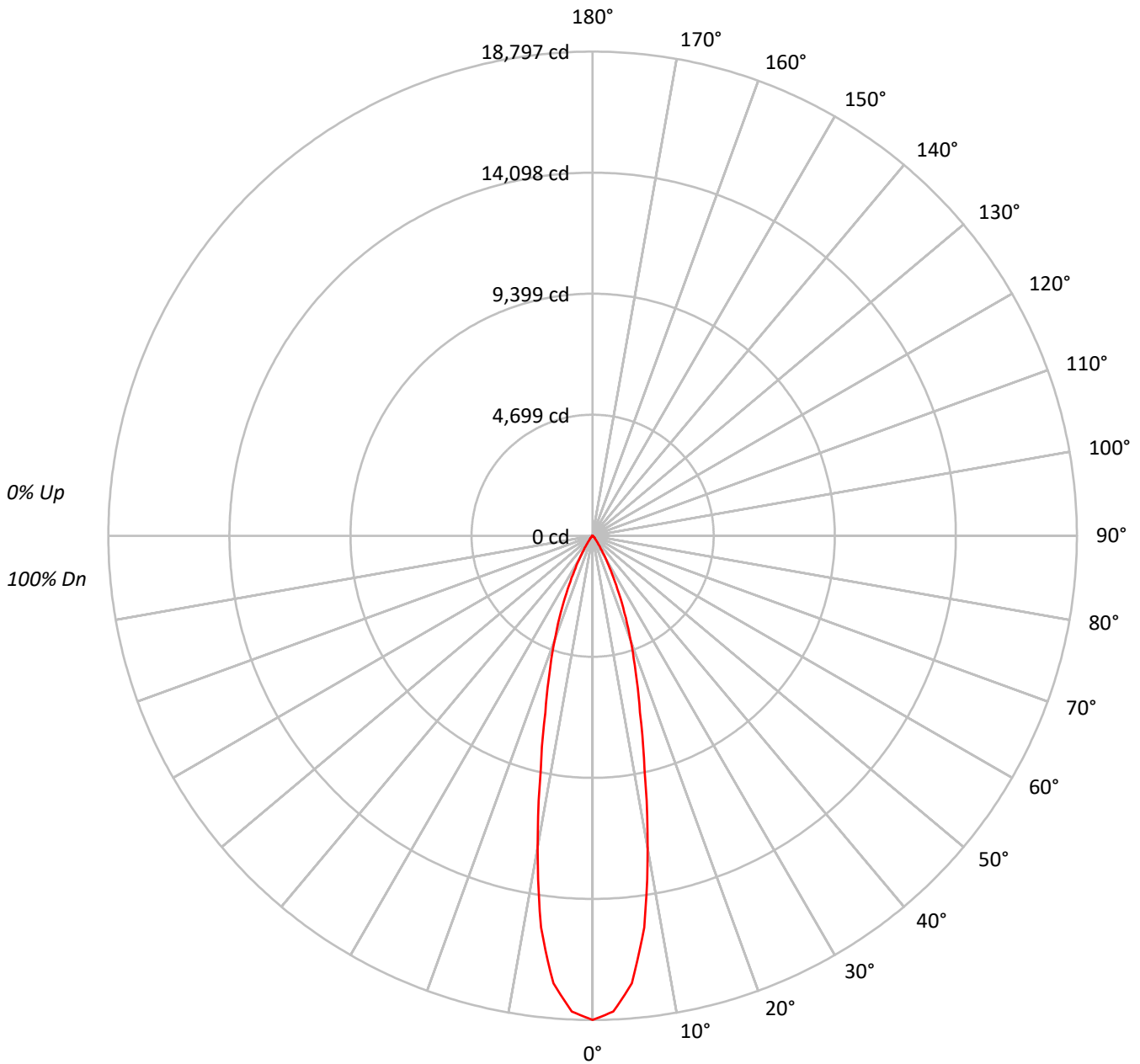
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P751402
CATALOG NUMBER: LD4D65D010-EU4DR2555659040-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P751402

CATALOG NUMBER: LD4D65D010-EU4DR2555659040-4LBDP1B

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2053753
5°	1912808
10°	1364462
15°	803615
20°	500020
25°	274409
30°	125495
35°	47524
40°	21523
45°	12933
50°	5371
55°	3467
60°	2426
65°	1629
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12933 cd/sqm



TEST NUMBER: P751402

CATALOG NUMBER: LD4D65D010-EU4DR2555659040-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1498.8	30.2
10°-20°	2030.1	41.0
20°-30°	1074.3	21.7
30°-40°	265.2	5.4
40°-50°	64.7	1.3
50°-60°	17.0	0.3
60°-70°	5.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	4603.2	92.9
0°-40°	4868.4	98.2
0°-60°	4950.1	99.9
0°-90°	4956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4956.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18797	
5°	17440	###
15°	7104	2030
25°	2276	1074
35°	356	265
45°	84	65
55°	18	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P751402

CATALOG NUMBER: LD4D65D010-EU4DR2555659040-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	18796.8
2.5°	18487.8
5°	17440.2
7.5°	15335.4
10°	12298.4
12.5°	9296.9
15°	7104.4
17.5°	5536.9
20°	4300.4
22.5°	3225.1
25°	2276.2
27.5°	1526.4
30°	994.7
32.5°	605.2
35°	356.3
37.5°	218.1
40°	150.9
42.5°	115.4
45°	83.7
47.5°	50.6
50°	31.6
52.5°	22.9
55°	18.2
57.5°	14.2
60°	11.1
62.5°	8.7
65°	6.3
67.5°	2.4
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)