

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P751483

Luminaire Tested: LD4D65D010-EU4DR3055659040-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR3055659040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6131.7 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

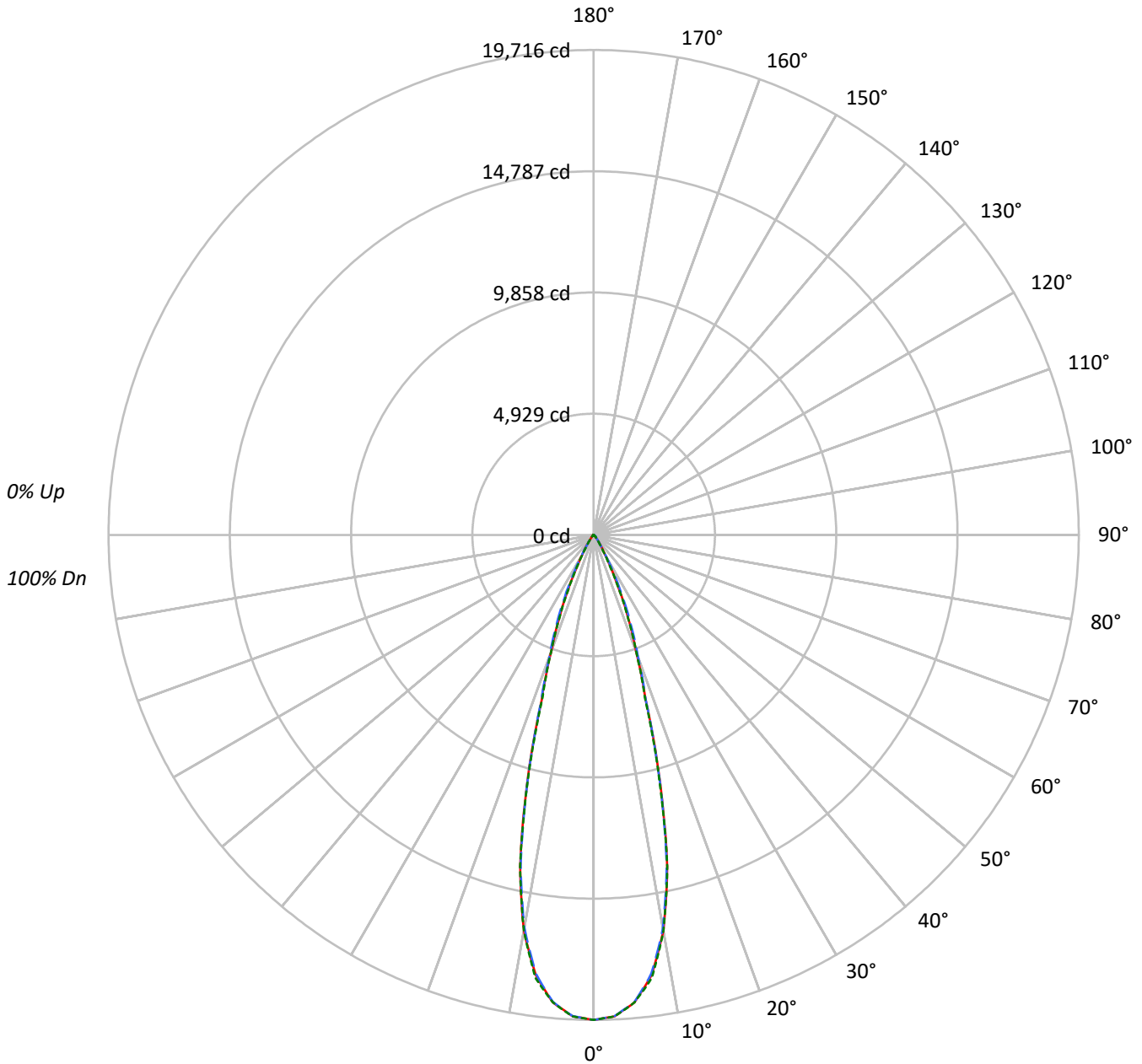


Downlight

TEST NUMBER: P751483

CATALOG NUMBER: LD4D65D010-EU4DR3055659040-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P751483

CATALOG NUMBER: LD4D65D010-EU4DR3055659040-4LBDP1MW

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	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	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	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°	45°	90°
0°	1509153	1509153	1509153
5°	1465835	1464121	1465904
10°	1269633	1260679	1269329
15°	828372	823927	819782
20°	411914	427366	411360
25°	207492	233978	203244
30°	83073	90524	72378
35°	38536	36900	30939
40°	16637	18475	15668
45°	11734	14570	11842
50°	4037	10610	4263
55°	2322	4390	2455
60°	1623	1929	1623
65°	1050	1050	1050
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14570 cd/sqm



TEST NUMBER: P751483

CATALOG NUMBER: LD4D65D010-EU4DR3055659040-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1733.8	28.3
10°-20°	2792.2	45.5
20°-30°	1206.6	19.7
30°-40°	275.0	4.5
40°-50°	94.4	1.5
50°-60°	23.1	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5732.6	93.5
0°-40°	6007.6	98.0
0°-60°	6125.1	99.9
0°-90°	6131.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6131.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19716	19716	19716	19716	19716	
5°	19078	19059	19055	19095	19078	1735
15°	10454	10328	10397	10364	10345	2799
25°	2457	2550	2770	2485	2406	1176
35°	412	421	395	392	331	280
45°	108	135	135	135	109	77
55°	17	18	33	19	18	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P751483

CATALOG NUMBER: LD4D65D010-EU4DR3055659040-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19716.3	19716.3	19716.3	19716.3	19716.3
2.5°	19585.7	19572.1	19579.9	19589.5	19593.4
5°	19077.5	19059.1	19055.2	19094.9	19078.4
7.5°	18052.3	18026.2	17986.5	18076.5	18160.8
10°	16335.1	16306.1	16219.9	16262.5	16331.2
12.5°	13799.9	13706.0	13704.1	13839.6	13821.2
15°	10453.5	10327.7	10397.4	10363.5	10345.1
17.5°	7029.7	6981.3	7074.2	7046.1	6925.1
20°	5056.9	5069.4	5246.6	5157.5	5050.1
22.5°	3690.0	3735.5	3945.6	3716.2	3632.0
25°	2456.8	2549.7	2770.4	2484.9	2406.5
27.5°	1511.1	1553.6	1777.3	1491.7	1449.1
30°	939.9	918.6	1024.2	878.9	818.9
32.5°	616.6	589.5	623.4	559.5	511.1
35°	412.4	421.1	394.9	392.0	331.1
37.5°	257.5	296.2	261.4	278.8	213.0
40°	166.5	214.9	184.9	204.2	156.8
42.5°	136.5	165.5	152.0	161.7	139.4
45°	108.4	134.6	134.6	134.6	109.4
47.5°	60.0	90.0	115.2	92.0	63.9
50°	33.9	45.5	89.1	47.4	35.8
52.5°	23.2	26.1	61.0	27.1	24.2
55°	17.4	18.4	32.9	19.4	18.4
57.5°	13.6	14.5	17.4	14.5	13.6
60°	10.6	10.6	12.6	11.6	10.6
62.5°	7.7	7.7	8.7	7.7	7.7
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)