

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: P751009

Luminaire Tested: LD4D60D010-EU4DR5055659040-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D60D010-EU4DR5055659040-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

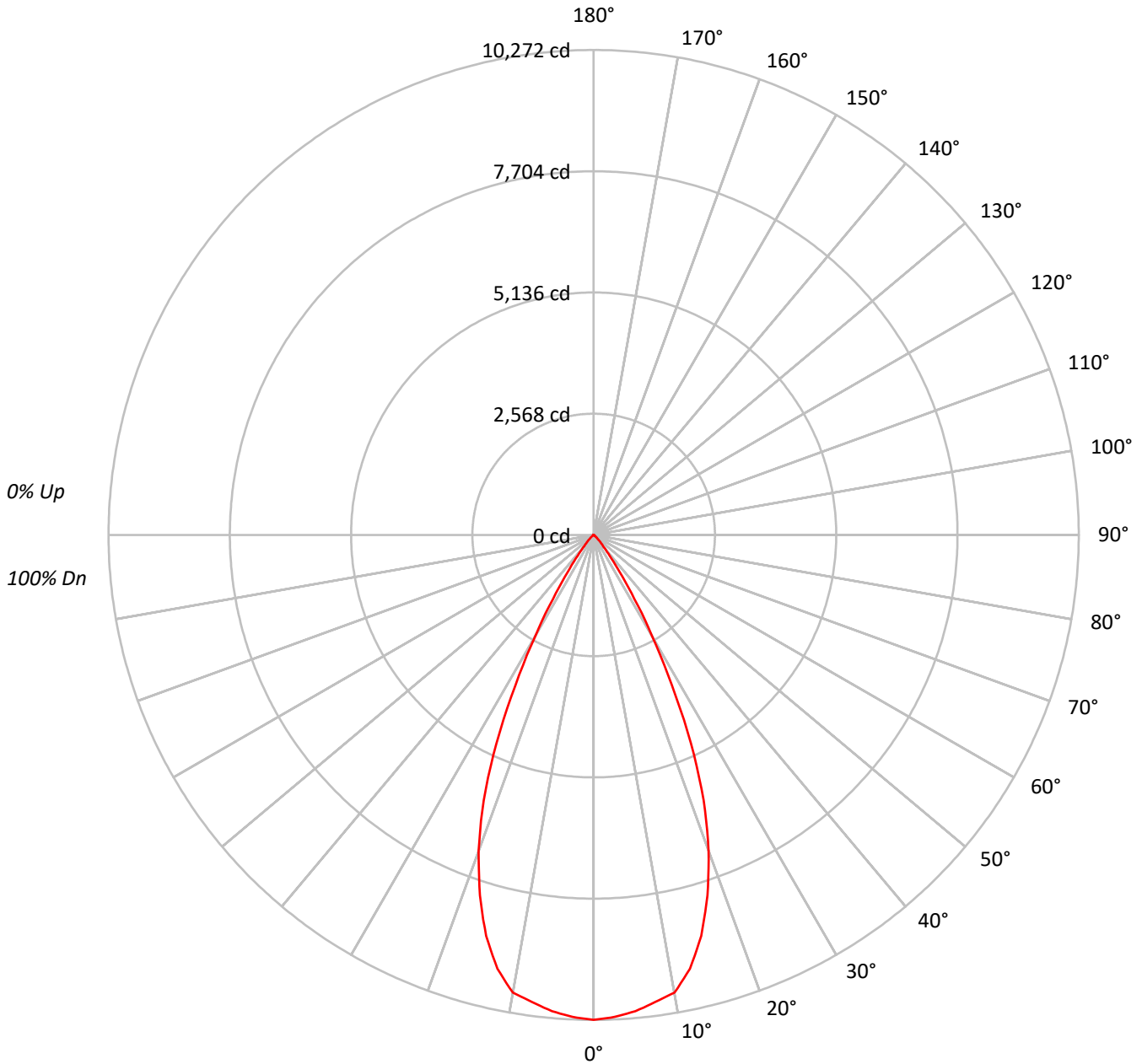
Lumens per Lamp: N/A  
Luminaire Lumens: 6375.0 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): 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



TEST NUMBER: P751009  
CATALOG NUMBER: LD4D60D010-EU4DR5055659040-4LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P751009  
 CATALOG NUMBER: LD4D60D010-EU4DR5055659040-4LBCSSQMB

**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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1122283
5°	1110513
10°	1092233
15°	994564
20°	827584
25°	587469
30°	310942
35°	126714
40°	47054
45°	21540
50°	8839
55°	4610
60°	2273
65°	672
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21540 cd/sqm



TEST NUMBER: P751009

CATALOG NUMBER: LD4D60D010-EU4DR5055659040-4LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	957.0	15.0
10°-20°	2418.7	37.9
20°-30°	2172.6	34.1
30°-40°	680.2	10.7
40°-50°	119.1	1.9
50°-60°	23.7	0.4
60°-70°	3.6	0.1
70°-80°	0.0	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°	5548.3	87.0
0°-40°	6228.5	97.7
0°-60°	6371.3	99.9
0°-90°	6375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10272	
5°	10125	957
15°	8792	2419
25°	4873	2173
35°	950	680
45°	139	119
55°	24	24
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P751009

CATALOG NUMBER: LD4D60D010-EU4DR5055659040-4LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10271.6
2.5°	10220.5
5°	10125.2
7.5°	9979.8
10°	9844.7
12.5°	9411.7
15°	8792.5
17.5°	8006.2
20°	7117.6
22.5°	6089.7
25°	4873.0
27.5°	3582.6
30°	2464.6
32.5°	1604.7
35°	950.0
37.5°	545.6
40°	329.9
42.5°	214.8
45°	139.4
47.5°	84.9
50°	52.0
52.5°	35.5
55°	24.2
57.5°	16.5
60°	10.4
62.5°	6.1
65°	2.6
67.5°	0.9
70°	0.0
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)