

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: P794111

Luminaire Tested: LER6D55D010-EC6DR7055659024-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794111  
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: LER6D55D010-EC6DR7055659024-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3276.7 lumens  
Efficiency: N/A  
Efficacy: 56.3 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

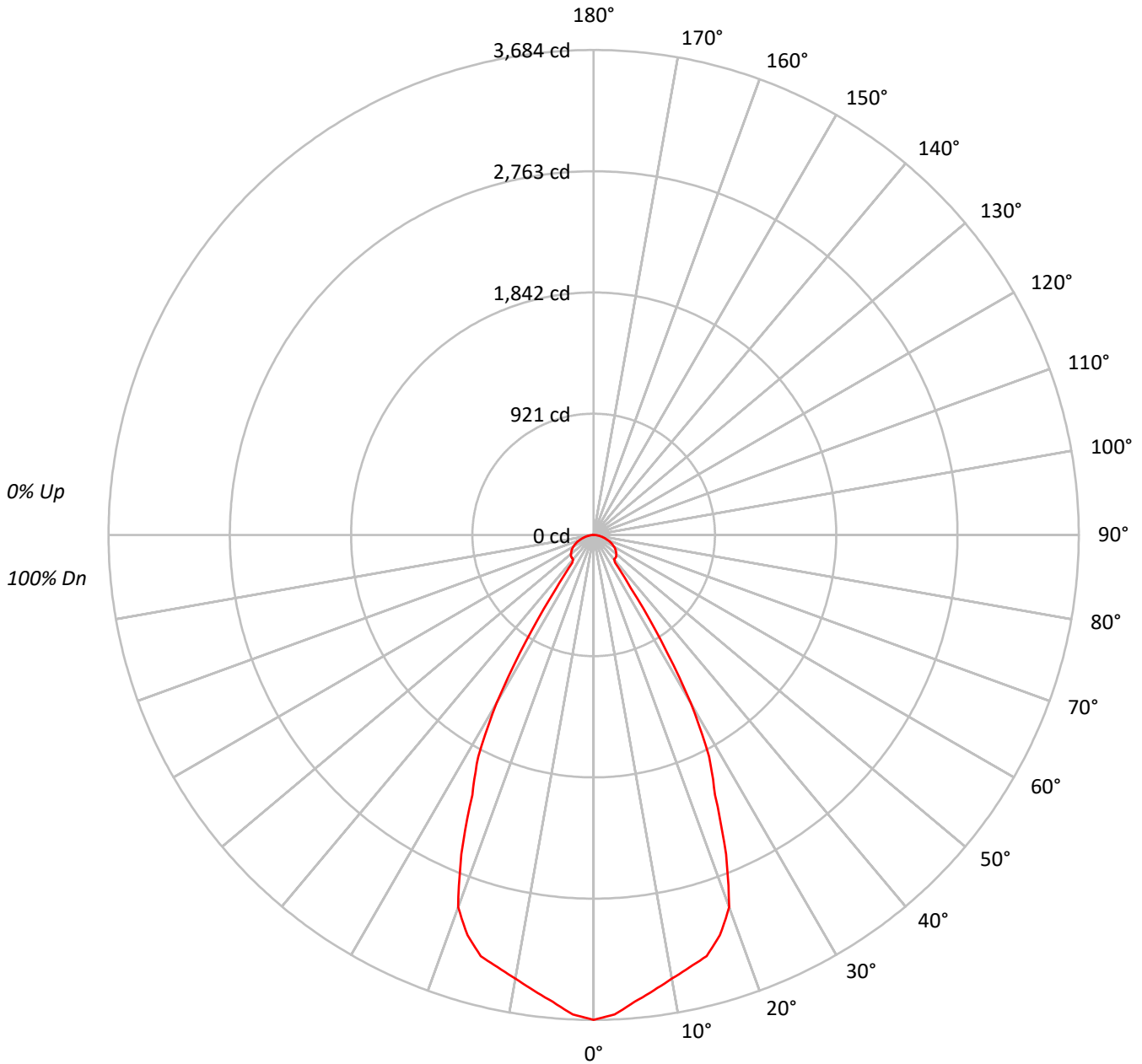
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794111  
CATALOG NUMBER: LER6D55D010-EC6DR7055659024-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P794111

CATALOG NUMBER: LER6D55D010-EC6DR7055659024-6LBDP1B

**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°	402517
5°	390553
10°	379669
15°	374682
20°	349877
25°	262848
30°	185814
35°	65824
40°	34602
45°	36868
50°	38177
55°	38879
60°	39137
65°	38315
70°	36163
75°	33477
80°	29699
85°	24070

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 39145 cd/sqm



TEST NUMBER: P794111

CATALOG NUMBER: LER6D55D010-EC6DR7055659024-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.9	10.3
10°-20°	921.3	28.1
20°-30°	1014.7	31.0
30°-40°	387.7	11.8
40°-50°	183.1	5.6
50°-60°	182.0	5.6
60°-70°	145.7	4.4
70°-80°	83.7	2.6
80°-90°	22.7	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°	2271.8	69.3
0°-40°	2659.5	81.2
0°-60°	3024.5	92.3
0°-90°	3276.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3276.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3684	
5°	3561	336
15°	3312	921
25°	2180	1015
35°	494	388
45°	239	183
55°	204	182
65°	148	146
75°	79	84
85°	19	23
90°	0	



TEST NUMBER: P794111

CATALOG NUMBER: LER6D55D010-EC6DR7055659024-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3684.0
2.5°	3645.5
5°	3560.9
7.5°	3490.3
10°	3422.1
12.5°	3364.3
15°	3312.4
17.5°	3187.0
20°	3009.1
22.5°	2625.3
25°	2180.3
27.5°	1898.0
30°	1472.8
32.5°	951.3
35°	493.5
37.5°	266.6
40°	242.6
42.5°	240.9
45°	238.6
47.5°	233.3
50°	224.6
52.5°	214.6
55°	204.1
57.5°	192.5
60°	179.1
62.5°	163.9
65°	148.2
67.5°	130.7
70°	113.2
72.5°	95.7
75°	79.3
77.5°	62.4
80°	47.2
82.5°	33.2
85°	19.2
87.5°	7.6
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)