

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: P794601

Luminaire Tested: LER6D60D010-EC6DR7055659027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794601  
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: LER6D60D010-EC6DR7055659027-6LB DP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7366.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

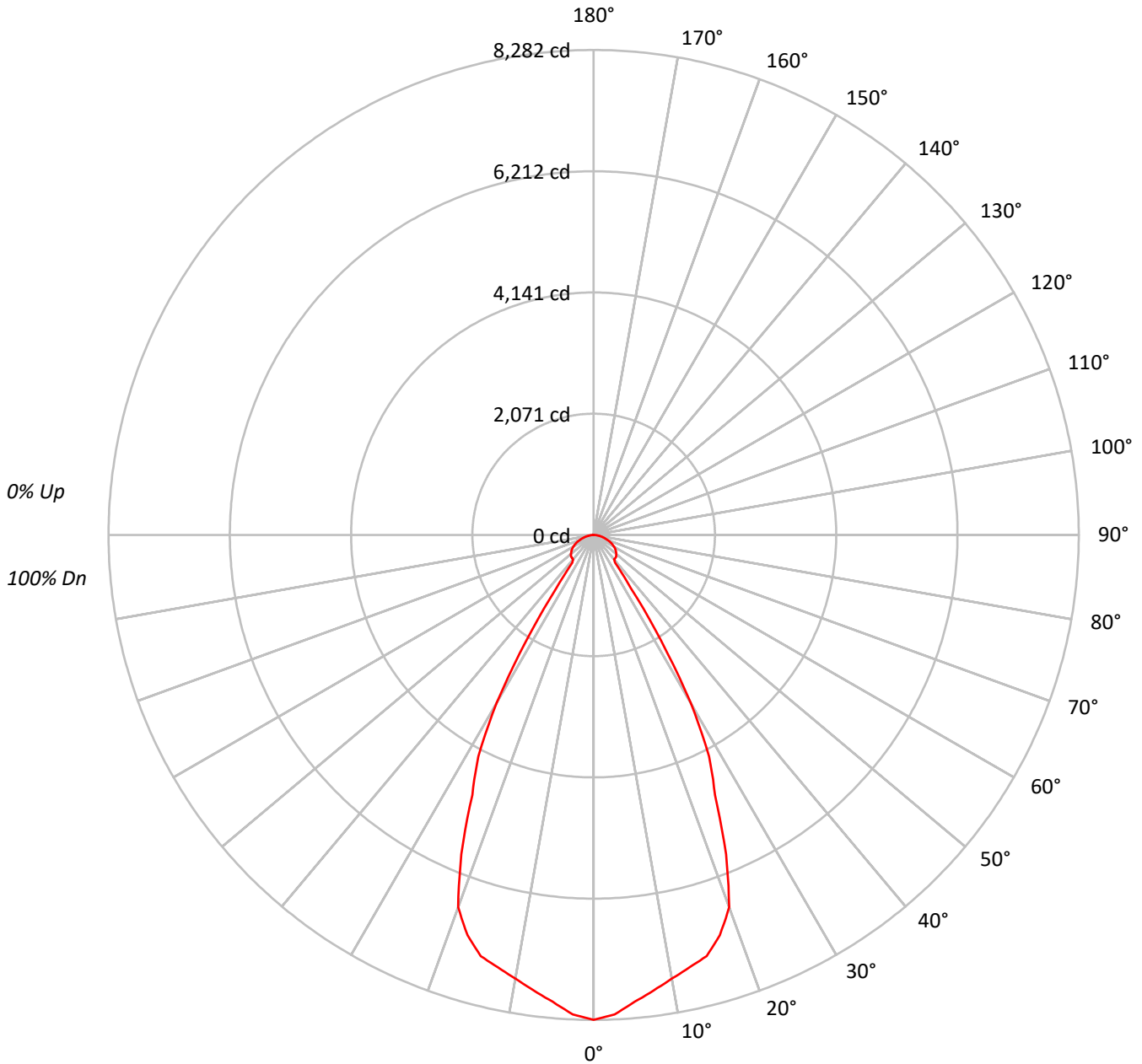
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794601  
CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P794601  
 CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1LI

**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°	904843
5°	877962
10°	853488
15°	842289
20°	786528
25°	590881
30°	417702
35°	147961
40°	77805
45°	82868
50°	85806
55°	87416
60°	87955
65°	86091
70°	81270
75°	75270
80°	66822
85°	54282

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 87990 cd/sqm



TEST NUMBER: P794601

CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	755.0	10.3
10°-20°	2071.0	28.1
20°-30°	2280.9	31.0
30°-40°	871.5	11.8
40°-50°	411.5	5.6
50°-60°	409.1	5.6
60°-70°	327.5	4.4
70°-80°	188.2	2.6
80°-90°	51.2	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°	5107.0	69.3
0°-40°	5978.5	81.2
0°-60°	6799.1	92.3
0°-90°	7366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7366.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8282	
5°	8005	755
15°	7446	2071
25°	4901	2281
35°	1109	871
45°	536	411
55°	459	409
65°	333	328
75°	178	188
85°	43	51
90°	0	



TEST NUMBER: P794601

CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8281.5
2.5°	8195.0
5°	8004.9
7.5°	7846.2
10°	7692.8
12.5°	7563.0
15°	7446.3
17.5°	7164.4
20°	6764.5
22.5°	5901.7
25°	4901.3
27.5°	4266.6
30°	3310.8
32.5°	2138.6
35°	1109.3
37.5°	599.2
40°	545.5
42.5°	541.5
45°	536.3
47.5°	524.5
50°	504.8
52.5°	482.5
55°	458.9
57.5°	432.7
60°	402.5
62.5°	368.4
65°	333.0
67.5°	293.7
70°	254.4
72.5°	215.0
75°	178.3
77.5°	140.3
80°	106.2
82.5°	74.7
85°	43.3
87.5°	17.0
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)