

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: P794025

Luminaire Tested: LER6D55D010-EC6DR6055659027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D55D010-EC6DR6055659027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

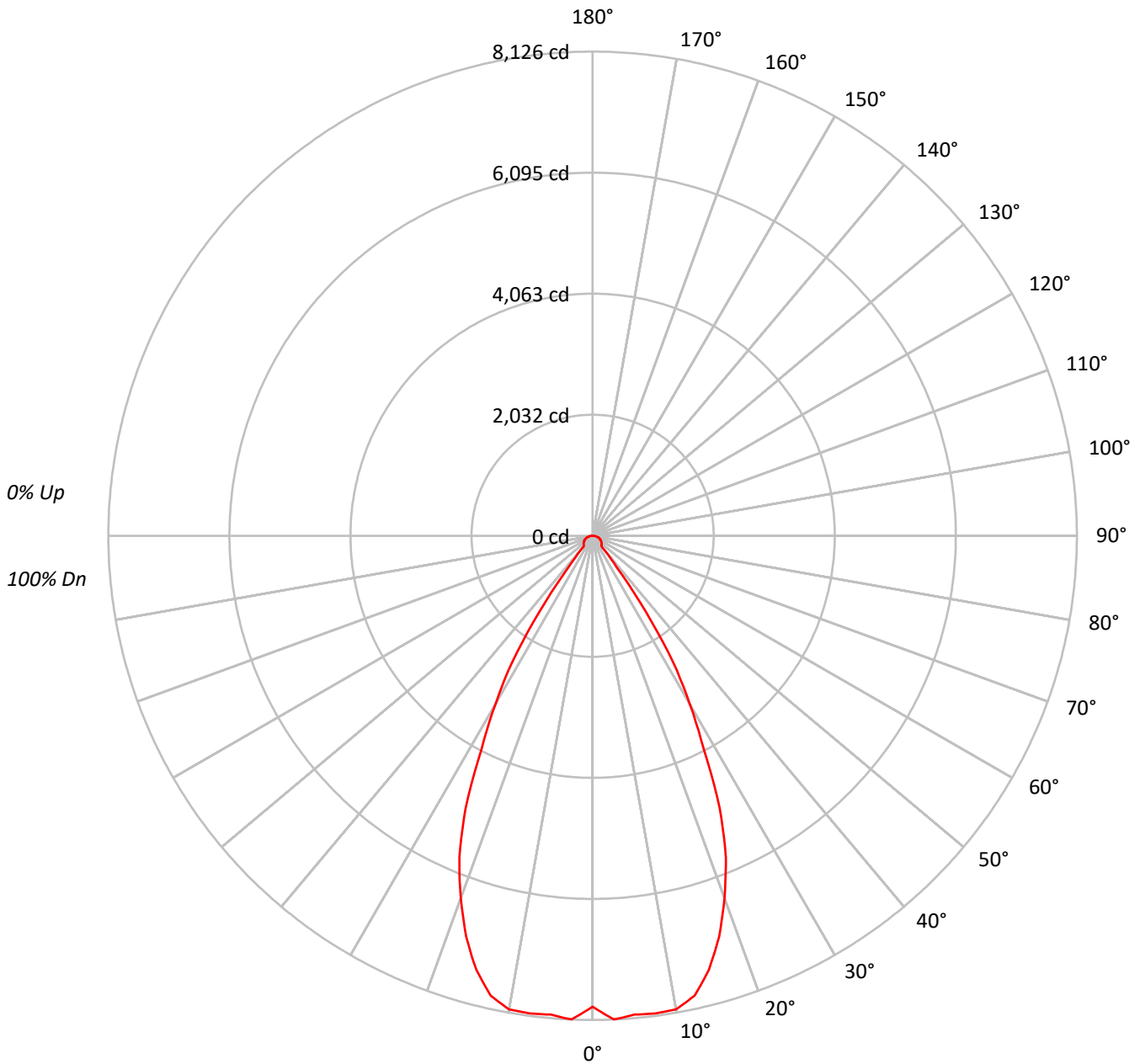
Lumens per Lamp: N/A  
Luminaire Lumens: 6654.9 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P794025  
CATALOG NUMBER: LER6D55D010-EC6DR6055659027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P794025

CATALOG NUMBER: LER6D55D010-EC6DR6055659027-6LBDP1LI

**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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	863553
5°	884784
10°	895470
15°	853057
20°	752134
25°	608349
30°	411495
35°	206196
40°	33447
45°	32742
50°	33401
55°	33888
60°	34832
65°	35626
70°	36482
75°	36896
80°	35613
85°	29711

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 36896 cd/sqm



TEST NUMBER: P794025

CATALOG NUMBER: LER6D55D010-EC6DR6055659027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	771.0	11.6
10°-20°	2086.0	31.3
20°-30°	2244.4	33.7
30°-40°	975.6	14.7
40°-50°	163.9	2.5
50°-60°	159.3	2.4
60°-70°	136.2	2.0
70°-80°	91.2	1.4
80°-90°	27.3	0.4
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°	5101.4	76.7
0°-40°	6077.0	91.3
0°-60°	6400.2	96.2
0°-90°	6654.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6654.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7904	
5°	8067	771
15°	7542	2086
25°	5046	2244
35°	1546	976
45°	212	164
55°	178	159
65°	138	136
75°	87	91
85°	24	27
90°	0	



TEST NUMBER: P794025  
CATALOG NUMBER: LER6D55D010-EC6DR6055659027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7903.6
2.5°	8125.7
5°	8067.1
7.5°	8085.6
10°	8071.2
12.5°	7904.6
15°	7541.5
17.5°	7054.0
20°	6468.7
22.5°	5842.3
25°	5046.2
27.5°	4036.1
30°	3261.6
32.5°	2513.8
35°	1545.9
37.5°	661.4
40°	234.5
42.5°	216.0
45°	211.9
47.5°	204.7
50°	196.5
52.5°	187.2
55°	177.9
57.5°	168.7
60°	159.4
62.5°	149.1
65°	137.8
67.5°	126.5
70°	114.2
72.5°	100.8
75°	87.4
77.5°	72.0
80°	56.6
82.5°	40.1
85°	23.7
87.5°	8.2
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)