

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: P793753

Luminaire Tested: LER6D55D010-EC6DR3055659035-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D55D010-EC6DR3055659035-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6746.5 lumens  
Efficiency: N/A  
Efficacy: 115.9 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

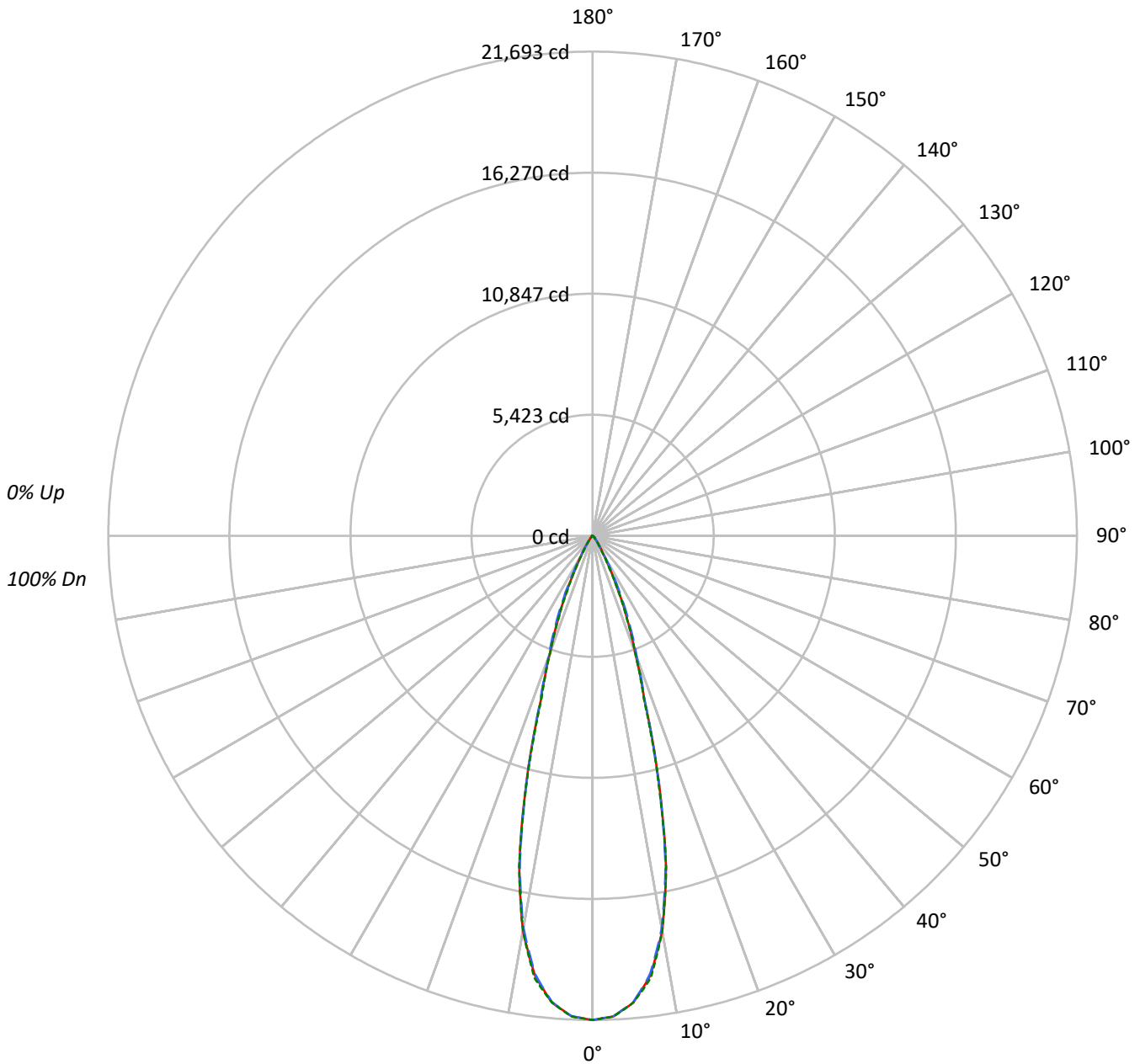
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P793753  
CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P793753

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1LI

**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	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°	1660487	1660487	1660487
5°	1612814	1610931	1612898
10°	1396945	1387089	1396611
15°	911436	906538	901982
20°	453212	470220	452609
25°	228302	257440	223623
30°	91407	99592	79643
35°	42395	40601	34041
40°	18305	20324	17236
45°	12914	16021	13033
50°	4442	11670	4692
55°	2562	4831	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16021 cd/sqm



TEST NUMBER: P793753

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1907.6	28.3
10°-20°	3072.2	45.5
20°-30°	1327.6	19.7
30°-40°	302.6	4.5
40°-50°	103.9	1.5
50°-60°	25.4	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6307.4	93.5
0°-40°	6610.0	98.0
0°-60°	6739.3	99.9
0°-90°	6746.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6746.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21693	21693	21693	21693	21693	
5°	20990	20970	20966	21010	20992	1909
15°	11502	11363	11440	11403	11382	3080
25°	2703	2805	3048	2734	2648	1294
35°	454	463	434	431	364	308
45°	119	148	148	148	120	85
55°	19	20	36	21	20	19
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: P793753

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21693.4	21693.4	21693.4	21693.4	21693.4
2.5°	21549.6	21534.7	21543.2	21553.9	21558.1
5°	20990.4	20970.2	20965.9	21009.6	20991.5
7.5°	19862.5	19833.8	19790.1	19889.2	19981.8
10°	17973.1	17941.1	17846.3	17893.2	17968.8
12.5°	15183.7	15080.4	15078.2	15227.3	15207.1
15°	11501.7	11363.3	11439.9	11402.7	11382.4
17.5°	7734.6	7681.3	7783.5	7752.7	7619.5
20°	5563.9	5577.8	5772.7	5674.7	5556.5
22.5°	4060.1	4110.1	4341.2	4088.8	3996.1
25°	2703.2	2805.4	3048.2	2734.0	2647.8
27.5°	1662.6	1709.4	1955.5	1641.3	1594.4
30°	1034.2	1010.8	1126.8	967.1	901.1
32.5°	678.5	648.6	685.9	615.6	562.4
35°	453.7	463.3	434.5	431.4	364.3
37.5°	283.3	325.9	287.6	306.7	234.3
40°	183.2	236.4	203.4	224.7	172.5
42.5°	150.2	182.1	167.2	177.9	153.4
45°	119.3	148.0	148.0	148.0	120.4
47.5°	66.0	99.1	126.7	101.2	70.3
50°	37.3	50.1	98.0	52.2	39.4
52.5°	25.6	28.8	67.1	29.8	26.6
55°	19.2	20.2	36.2	21.3	20.2
57.5°	14.9	16.0	19.2	16.0	14.9
60°	11.7	11.7	13.8	12.8	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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)