

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: P791812

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791812  
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: LER6D35BD010-EC6DR3020359024-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3349.6 lumens  
Efficiency: N/A  
Efficacy: 108.8 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

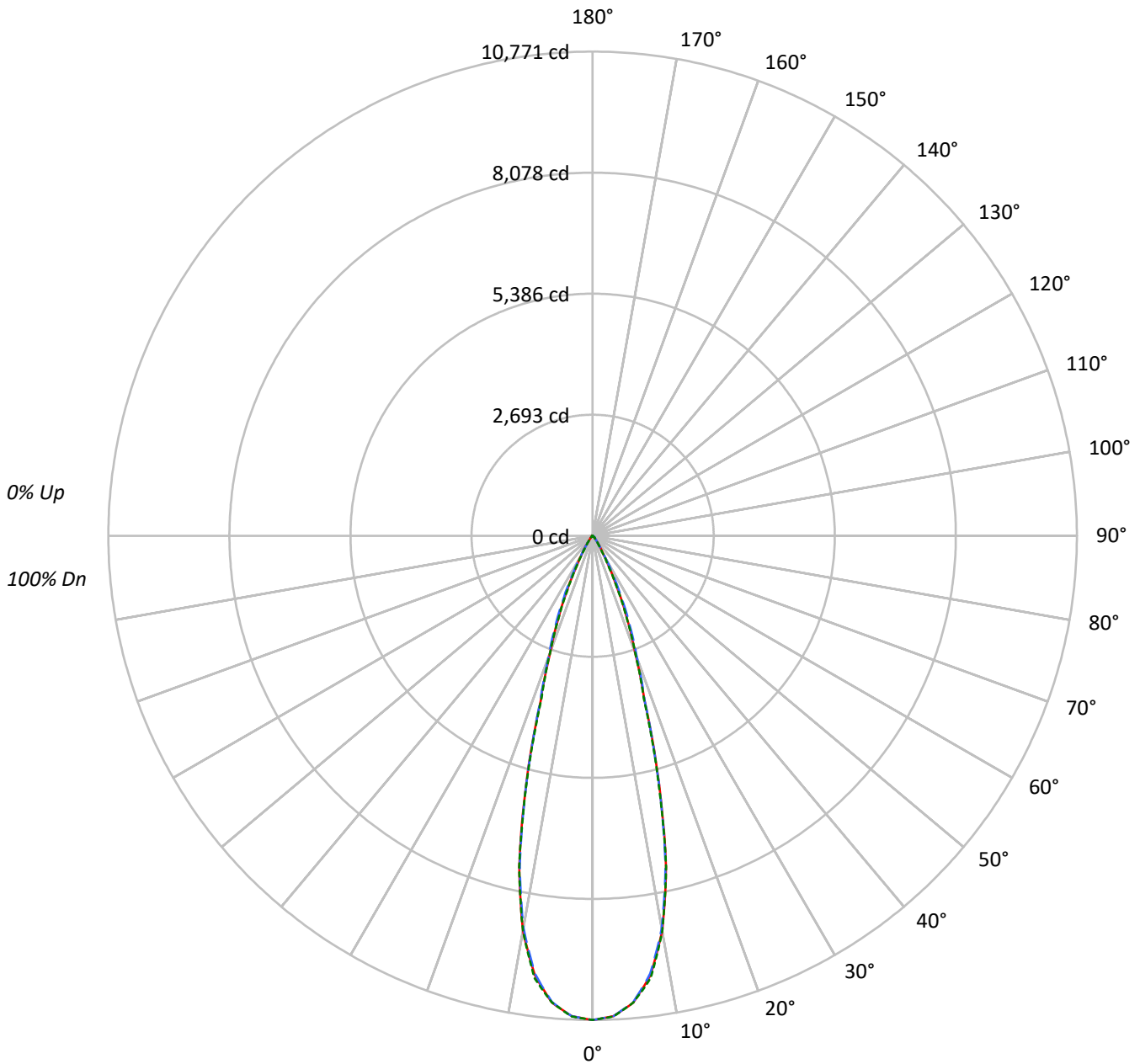
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791812  
CATALOG NUMBER: LER6D35BD010-EC6DR3020359024-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P791812

CATALOG NUMBER: LER6D35BD010-EC6DR3020359024-6LBS1H

**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°	824418	824418	824418
5°	800752	799814	800790
10°	693572	688683	693409
15°	452520	450088	447829
20°	225013	233460	224712
25°	113349	127816	111026
30°	45386	49451	39543
35°	21053	20155	16894
40°	9093	10092	8563
45°	6408	7956	6473
50°	2203	5787	2334
55°	1268	2402	1334
60°	888	1056	888
65°	580	580	580
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7956 cd/sqm



TEST NUMBER: P791812

CATALOG NUMBER: LER6D35BD010-EC6DR3020359024-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	947.1	28.3
10°-20°	1525.3	45.5
20°-30°	659.1	19.7
30°-40°	150.2	4.5
40°-50°	51.6	1.5
50°-60°	12.6	0.4
60°-70°	3.3	0.1
70°-80°	0.3	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°	3131.6	93.5
0°-40°	3281.8	98.0
0°-60°	3346.0	99.9
0°-90°	3349.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3349.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10771	10771	10771	10771	10771	
5°	10422	10412	10409	10431	10422	948
15°	5710	5642	5680	5661	5651	1529
25°	1342	1393	1513	1357	1315	642
35°	225	230	216	214	181	153
45°	59	74	74	74	60	42
55°	10	10	18	11	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P791812

CATALOG NUMBER: LER6D35BD010-EC6DR3020359024-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10770.6	10770.6	10770.6	10770.6	10770.6
2.5°	10699.2	10691.8	10696.0	10701.3	10703.4
5°	10421.6	10411.5	10409.4	10431.1	10422.1
7.5°	9861.6	9847.3	9825.6	9874.8	9920.8
10°	8923.5	8907.6	8860.6	8883.8	8921.4
12.5°	7538.6	7487.3	7486.2	7560.2	7550.2
15°	5710.5	5641.8	5679.8	5661.3	5651.3
17.5°	3840.1	3813.7	3864.5	3849.1	3783.0
20°	2762.4	2769.3	2866.1	2817.4	2758.7
22.5°	2015.8	2040.6	2155.4	2030.1	1984.1
25°	1342.1	1392.9	1513.4	1357.4	1314.6
27.5°	825.5	848.7	970.9	814.9	791.6
30°	513.5	501.8	559.5	480.1	447.4
32.5°	336.8	322.0	340.5	305.6	279.2
35°	225.3	230.0	215.7	214.2	180.8
37.5°	140.7	161.8	142.8	152.3	116.3
40°	91.0	117.4	101.0	111.6	85.7
42.5°	74.6	90.4	83.0	88.3	76.1
45°	59.2	73.5	73.5	73.5	59.8
47.5°	32.8	49.2	62.9	50.2	34.9
50°	18.5	24.9	48.6	25.9	19.6
52.5°	12.7	14.3	33.3	14.8	13.2
55°	9.5	10.0	18.0	10.6	10.0
57.5°	7.4	7.9	9.5	7.9	7.4
60°	5.8	5.8	6.9	6.3	5.8
62.5°	4.2	4.2	4.8	4.2	4.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	1.6	2.1	2.1	2.1	2.1
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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)