

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: P792165

Luminaire Tested: LER6D35BD010-EC6DR6520359030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D35BD010-EC6DR6520359030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3683.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

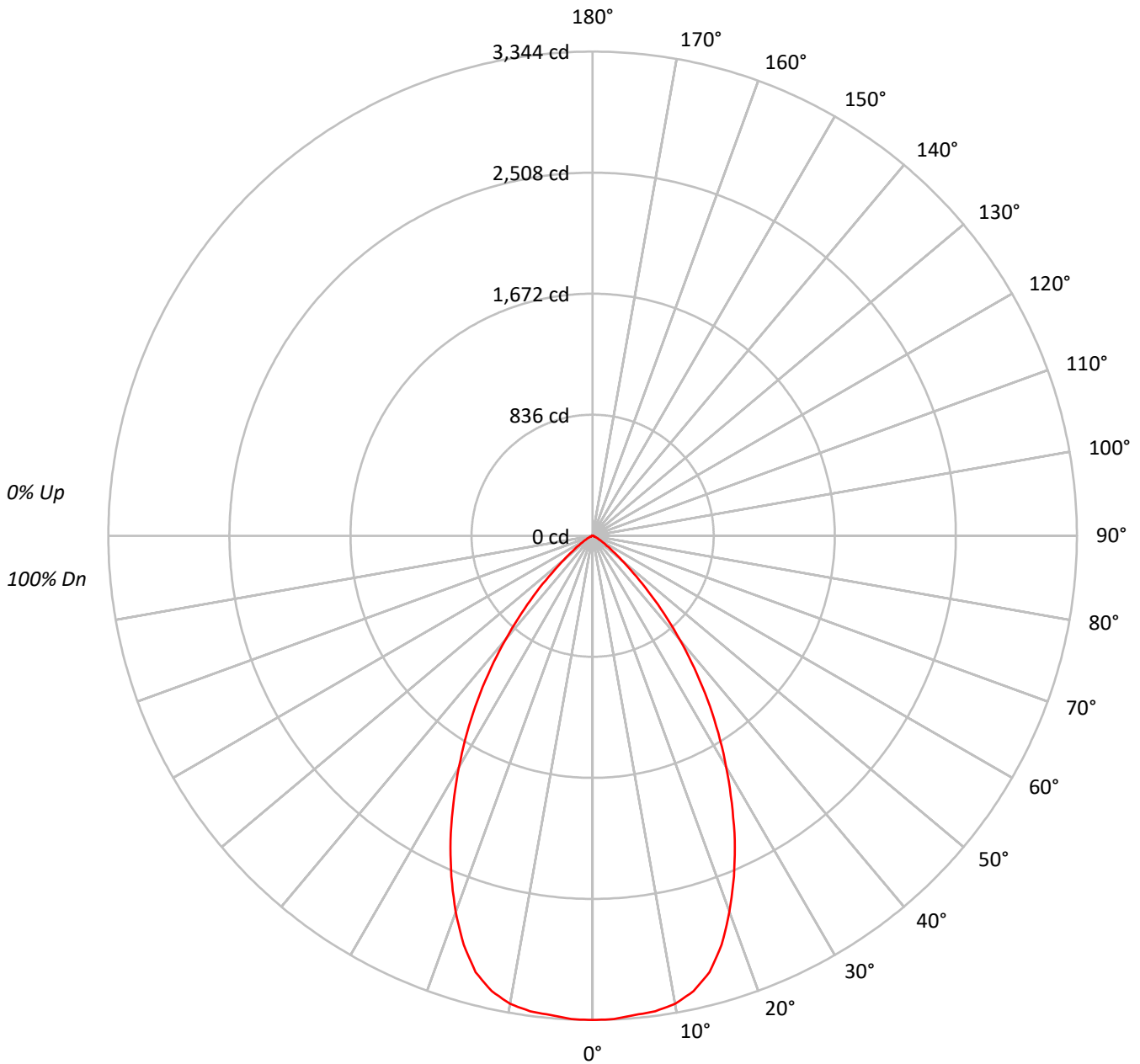
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P792165  
CATALOG NUMBER: LER6D35BD010-EC6DR6520359030-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P792165  
 CATALOG NUMBER: LER6D35BD010-EC6DR6520359030-6LBS1LI

**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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	195303
5°	194812
10°	194644
15°	188648
20°	171739
25°	149659
30°	124472
35°	98626
40°	71186
45°	44973
50°	23442
55°	12463
60°	6541
65°	3593
70°	1503
75°	1670
80°	1144
85°	1005

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44973 cd/sqm



TEST NUMBER: P792165

CATALOG NUMBER: LER6D35BD010-EC6DR6520359030-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.2	8.6
10°-20°	866.0	23.5
20°-30°	1058.5	28.7
30°-40°	858.9	23.3
40°-50°	428.0	11.6
50°-60°	119.4	3.2
60°-70°	27.1	0.7
70°-80°	7.1	0.2
80°-90°	1.8	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°	2240.7	60.8
0°-40°	3099.6	84.2
0°-60°	3647.0	99.0
0°-90°	3683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3344	
5°	3323	316
15°	3120	866
25°	2322	1059
35°	1383	859
45°	544	428
55°	122	119
65°	26	27
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P792165  
CATALOG NUMBER: LER6D35BD010-EC6DR6520359030-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3344.0
2.5°	3341.6
5°	3322.9
7.5°	3312.1
10°	3282.1
12.5°	3221.2
15°	3120.0
17.5°	2961.7
20°	2763.2
22.5°	2548.9
25°	2322.4
27.5°	2080.1
30°	1845.7
32.5°	1614.3
35°	1383.3
37.5°	1152.8
40°	933.7
42.5°	728.3
45°	544.5
47.5°	379.4
50°	258.0
52.5°	177.9
55°	122.4
57.5°	82.6
60°	56.0
62.5°	38.8
65°	26.0
67.5°	13.3
70°	8.8
72.5°	8.4
75°	7.4
77.5°	4.9
80°	3.4
82.5°	2.5
85°	1.5
87.5°	1.0
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)