

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: P791891

Luminaire Tested: LER6D35BD010-EC6DR3520359040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D35BD010-EC6DR3520359040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3762.7 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

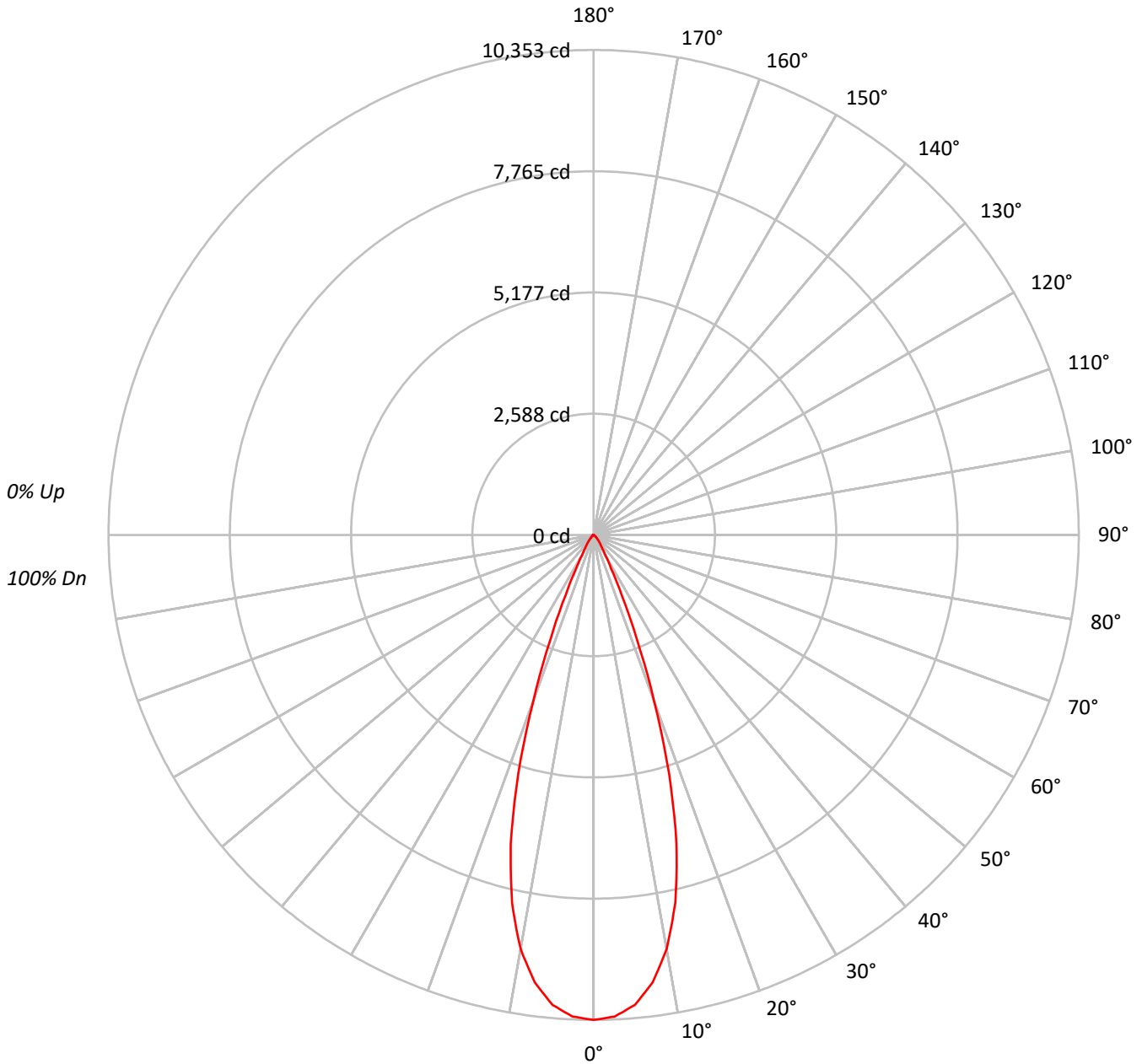
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791891  
CATALOG NUMBER: LER6D35BD010-EC6DR3520359040-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P791891

CATALOG NUMBER: LER6D35BD010-EC6DR3520359040-6LBS1B

**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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96						96													
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88						88													
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						84													
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81						81													
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						78													
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75						75													
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						72													
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70						70													
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68						68													

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

	0°
0°	1131188
5°	1104601
10°	995543
15°	772700
20°	438267
25°	170502
30°	63612
35°	34866
40°	22792
45°	13876
50°	8822
55°	6229
60°	4567
65°	2482
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13876 cd/sqm



TEST NUMBER: P791891

CATALOG NUMBER: LER6D35BD010-EC6DR3520359040-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	926.3	24.6
10°-20°	1808.5	48.1
20°-30°	737.6	19.6
30°-40°	176.5	4.7
40°-50°	73.6	2.0
50°-60°	30.4	0.8
60°-70°	9.5	0.3
70°-80°	0.2	0.0
80°-90°	0.2	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°	3472.3	92.3
0°-40°	3648.8	97.0
0°-60°	3752.8	99.7
0°-90°	3762.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3762.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10353	
5°	10071	926
15°	6831	1808
25°	1414	738
35°	261	177
45°	90	74
55°	33	30
65°	10	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P791891

CATALOG NUMBER: LER6D35BD010-EC6DR3520359040-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10353.1
2.5°	10291.0
5°	10071.3
7.5°	9633.2
10°	8973.2
12.5°	8043.9
15°	6831.1
17.5°	5347.9
20°	3769.3
22.5°	2403.5
25°	1414.3
27.5°	799.5
30°	504.2
32.5°	354.0
35°	261.4
37.5°	202.1
40°	159.8
42.5°	123.1
45°	89.8
47.5°	67.2
50°	51.9
52.5°	41.2
55°	32.7
57.5°	26.5
60°	20.9
62.5°	15.2
65°	9.6
67.5°	3.4
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.6
85°	0.0
87.5°	0.0
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)