

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: P792631

Luminaire Tested: LER6D40BD010-EC6DR6540509027-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792631  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D40BD010-EC6DR6540509027-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2836.3 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.2  
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

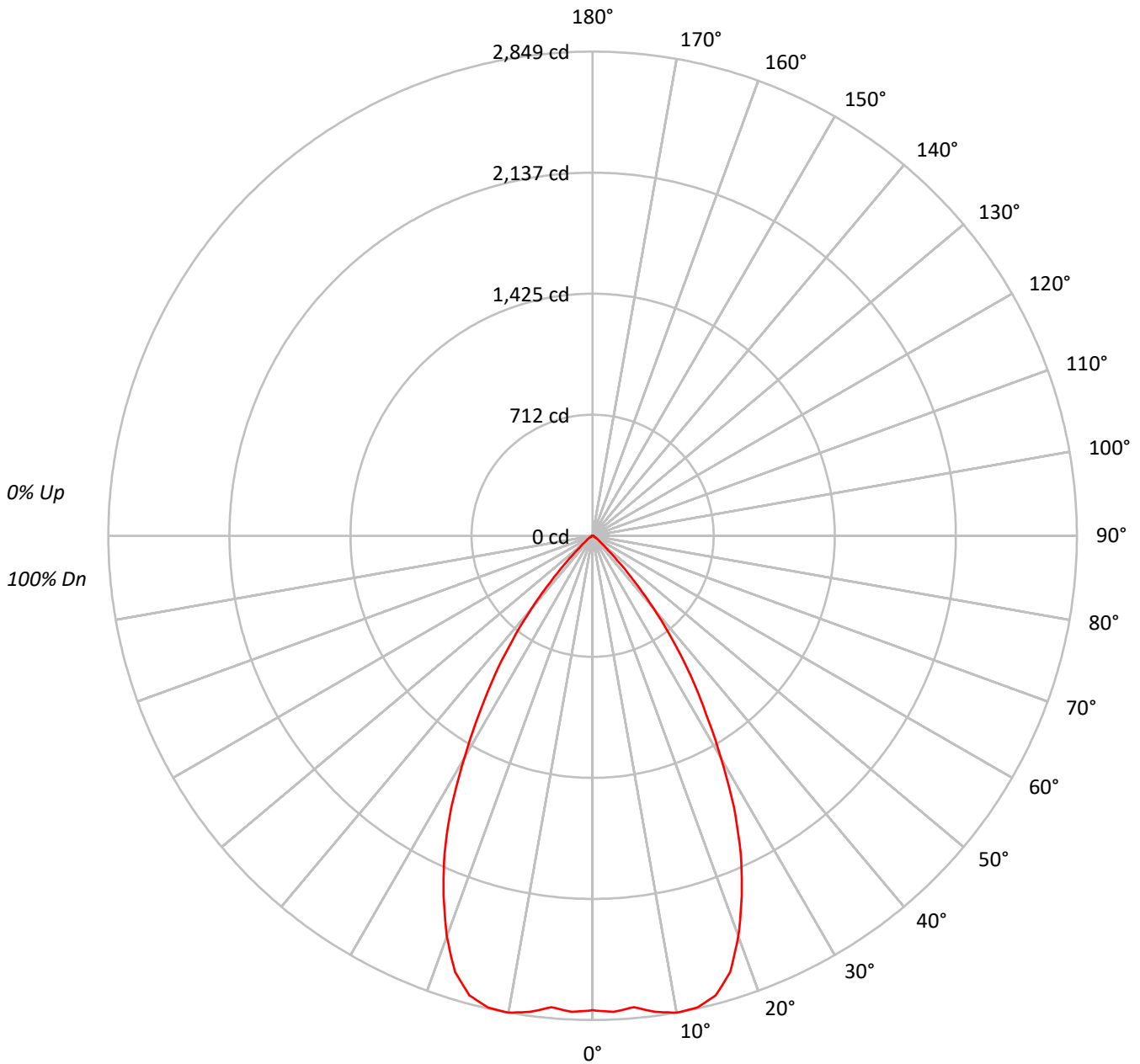


Downlight

TEST NUMBER: P792631

CATALOG NUMBER: LER6D40BD010-EC6DR6540509027-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P792631

CATALOG NUMBER: LER6D40BD010-EC6DR6540509027-6LBDP1B

**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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

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

	0°
0°	305111
5°	305366
10°	316119
15°	316643
20°	291519
25°	248393
30°	190154
35°	134343
40°	79302
45°	32186
50°	11678
55°	6496
60°	3737
65°	2042
70°	2140
75°	1689
80°	1762
85°	1504

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 32186 cd/sqm



TEST NUMBER: P792631

CATALOG NUMBER: LER6D40BD010-EC6DR6540509027-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.9	9.5
10°-20°	775.6	27.3
20°-30°	930.6	32.8
30°-40°	625.4	22.1
40°-50°	187.2	6.6
50°-60°	33.0	1.2
60°-70°	9.4	0.3
70°-80°	4.6	0.2
80°-90°	1.5	0.1
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°	1975.2	69.6
0°-40°	2600.6	91.7
0°-60°	2820.8	99.5
0°-90°	2836.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2836.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2792	
5°	2784	269
15°	2799	776
25°	2060	931
35°	1007	625
45°	208	187
55°	34	33
65°	8	9
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P792631

CATALOG NUMBER: LER6D40BD010-EC6DR6540509027-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2792.5
2.5°	2804.4
5°	2784.2
7.5°	2826.2
10°	2849.3
12.5°	2843.7
15°	2799.3
17.5°	2690.5
20°	2507.2
22.5°	2291.3
25°	2060.4
27.5°	1799.6
30°	1507.2
32.5°	1242.1
35°	1007.2
37.5°	775.0
40°	556.0
42.5°	363.1
45°	208.3
47.5°	110.3
50°	68.7
52.5°	47.6
55°	34.1
57.5°	24.6
60°	17.1
62.5°	11.1
65°	7.9
67.5°	7.1
70°	6.7
72.5°	5.2
75°	4.0
77.5°	3.6
80°	2.8
82.5°	2.0
85°	1.2
87.5°	0.8
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)