

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: P792679

Luminaire Tested: LER6D40BD010-EC6DR7040509027-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D40BD010-EC6DR7040509027-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2552.1 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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

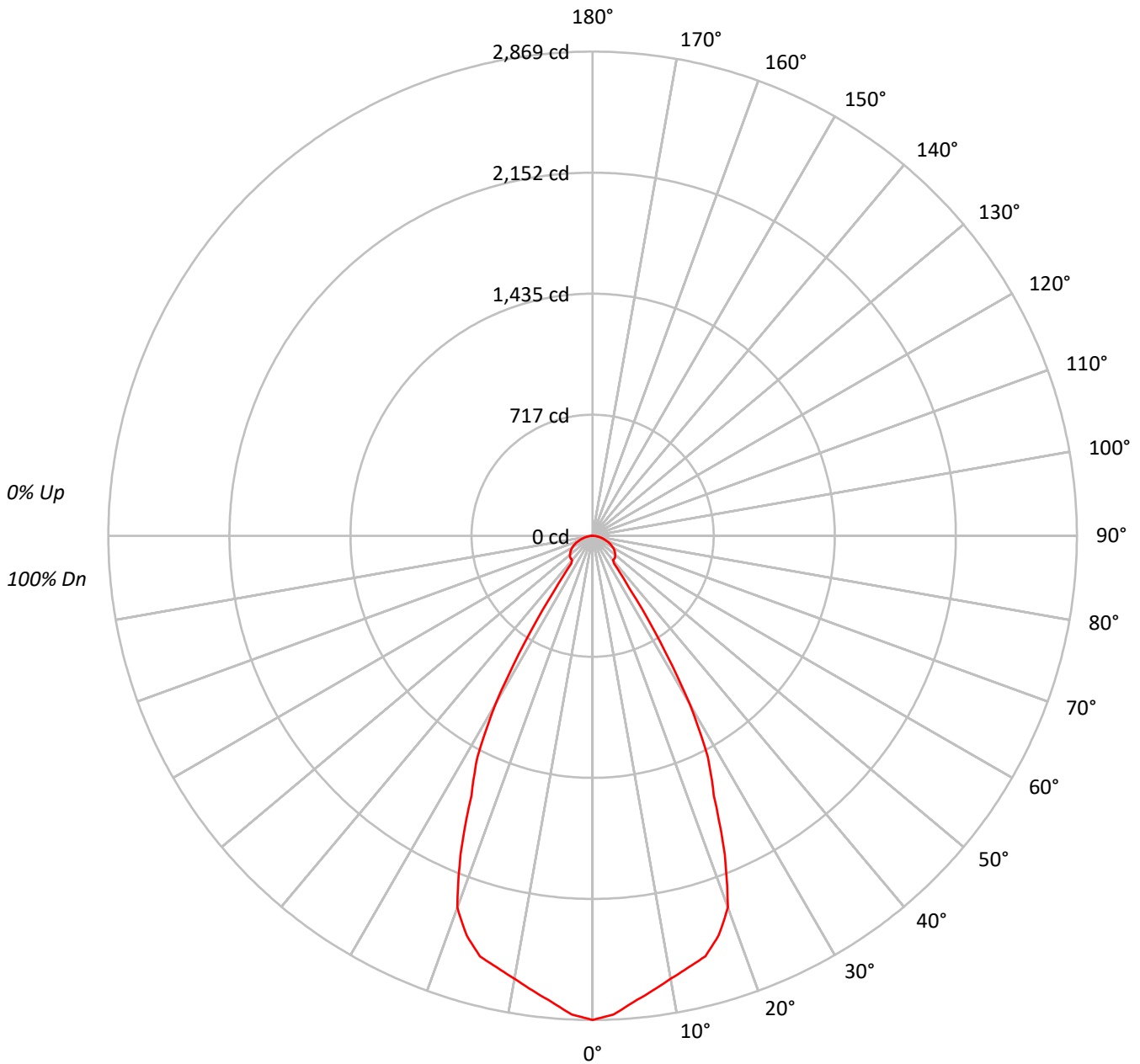


Downlight

TEST NUMBER: P792679

CATALOG NUMBER: LER6D40BD010-EC6DR7040509027-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P792679

CATALOG NUMBER: LER6D40BD010-EC6DR7040509027-6LBDP1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

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

	0°
0°	313491
5°	304181
10°	295705
15°	291814
20°	272497
25°	204716
30°	144722
35°	51259
40°	26957
45°	28709
50°	29729
55°	30288
60°	30484
65°	29835
70°	28144
75°	26089
80°	23155
85°	18804

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 60°  
 Luminance: 30484 cd/sqm



TEST NUMBER: P792679

CATALOG NUMBER: LER6D40BD010-EC6DR7040509027-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.6	10.3
10°-20°	717.5	28.1
20°-30°	790.3	31.0
30°-40°	301.9	11.8
40°-50°	142.6	5.6
50°-60°	141.7	5.6
60°-70°	113.5	4.4
70°-80°	65.2	2.6
80°-90°	17.7	0.7
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°	1769.4	69.3
0°-40°	2071.3	81.2
0°-60°	2355.6	92.3
0°-90°	2552.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2869	
5°	2773	262
15°	2580	718
25°	1698	790
35°	384	302
45°	186	143
55°	159	142
65°	115	114
75°	62	65
85°	15	18
90°	0	



TEST NUMBER: P792679

CATALOG NUMBER: LER6D40BD010-EC6DR7040509027-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2869.2
2.5°	2839.2
5°	2773.4
7.5°	2718.4
10°	2665.3
12.5°	2620.3
15°	2579.8
17.5°	2482.2
20°	2343.6
22.5°	2044.7
25°	1698.1
27.5°	1478.2
30°	1147.1
32.5°	740.9
35°	384.3
37.5°	207.6
40°	189.0
42.5°	187.6
45°	185.8
47.5°	181.7
50°	174.9
52.5°	167.2
55°	159.0
57.5°	149.9
60°	139.5
62.5°	127.7
65°	115.4
67.5°	101.8
70°	88.1
72.5°	74.5
75°	61.8
77.5°	48.6
80°	36.8
82.5°	25.9
85°	15.0
87.5°	5.9
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)