

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: P767037

Luminaire Tested: LD6D45BD010-EU6DR7040509035-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767037  
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: LD6D45BD010-EU6DR7040509035-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5252.1 lumens  
Efficiency: N/A  
Efficacy: 135.7 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

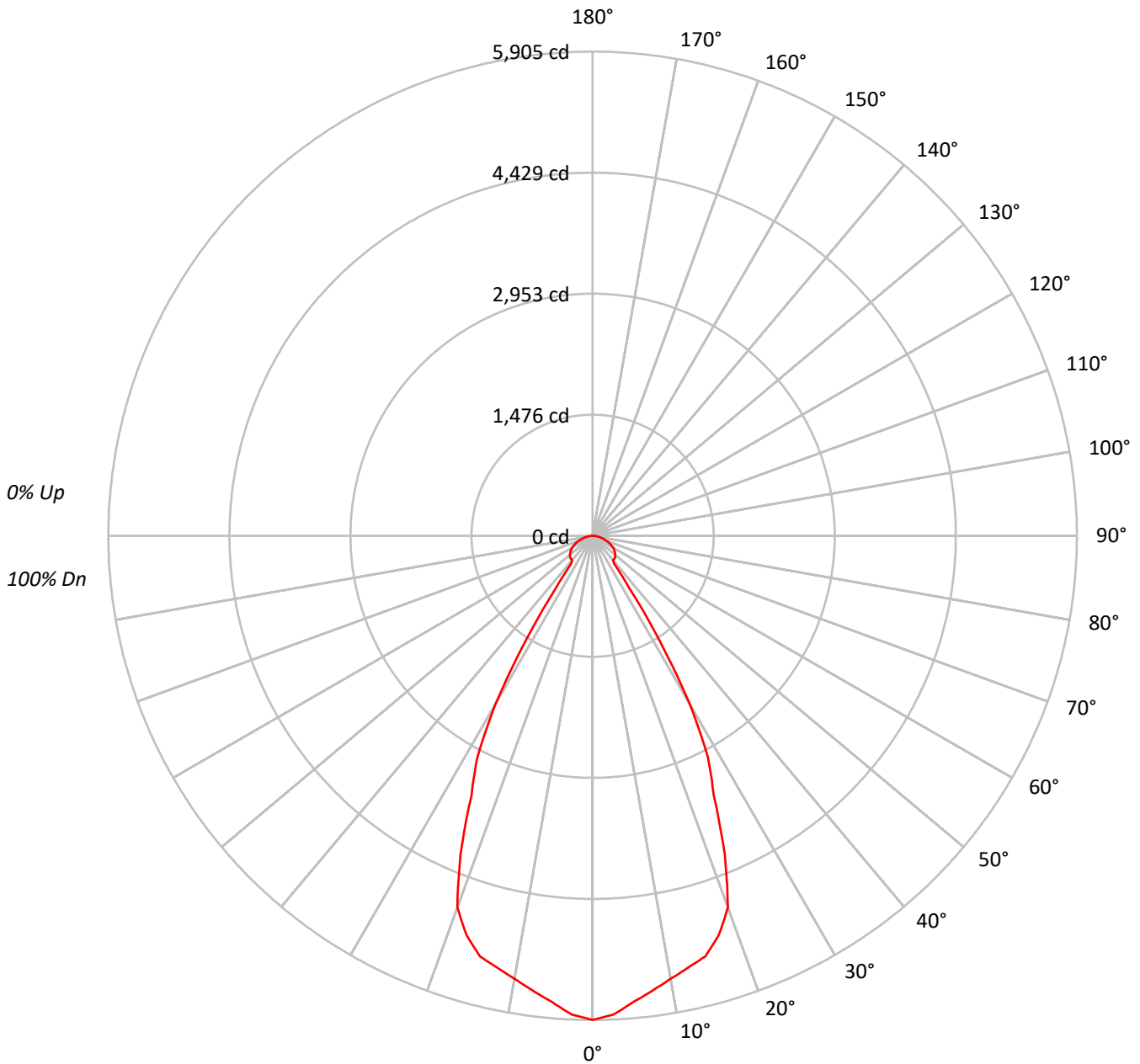
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P767037  
CATALOG NUMBER: LD6D45BD010-EU6DR7040509035-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P767037

CATALOG NUMBER: LD6D45BD010-EU6DR7040509035-6LBDP1LI

**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	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°	645174
5°	625999
10°	608551
15°	600573
20°	560807
25°	421307
30°	297834
35°	105492
40°	55469
45°	59088
50°	61176
55°	62328
60°	62716
65°	61402
70°	57950
75°	53655
80°	47631
85°	38737

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 62734 cd/sqm



TEST NUMBER: P767037

CATALOG NUMBER: LD6D45BD010-EU6DR7040509035-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	538.3	10.3
10°-20°	1476.7	28.1
20°-30°	1626.4	31.0
30°-40°	621.4	11.8
40°-50°	293.4	5.6
50°-60°	291.7	5.6
60°-70°	233.5	4.4
70°-80°	134.2	2.6
80°-90°	36.5	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°	3641.4	69.3
0°-40°	4262.8	81.2
0°-60°	4847.8	92.3
0°-90°	5252.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5905	
5°	5708	538
15°	5309	1477
25°	3495	1626
35°	791	621
45°	382	293
55°	327	292
65°	238	234
75°	127	134
85°	31	37
90°	0	



TEST NUMBER: P767037

CATALOG NUMBER: LD6D45BD010-EU6DR7040509035-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5904.9
2.5°	5843.2
5°	5707.6
7.5°	5594.5
10°	5485.1
12.5°	5392.6
15°	5309.4
17.5°	5108.4
20°	4823.2
22.5°	4208.0
25°	3494.7
27.5°	3042.2
30°	2360.7
32.5°	1524.8
35°	790.9
37.5°	427.3
40°	388.9
42.5°	386.1
45°	382.4
47.5°	374.0
50°	359.9
52.5°	344.0
55°	327.2
57.5°	308.5
60°	287.0
62.5°	262.7
65°	237.5
67.5°	209.4
70°	181.4
72.5°	153.3
75°	127.1
77.5°	100.0
80°	75.7
82.5°	53.3
85°	30.9
87.5°	12.2
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)