

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: P769012

Luminaire Tested: LD6D60D010-EU6DR4555659050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D60D010-EU6DR4555659050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7812.3 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

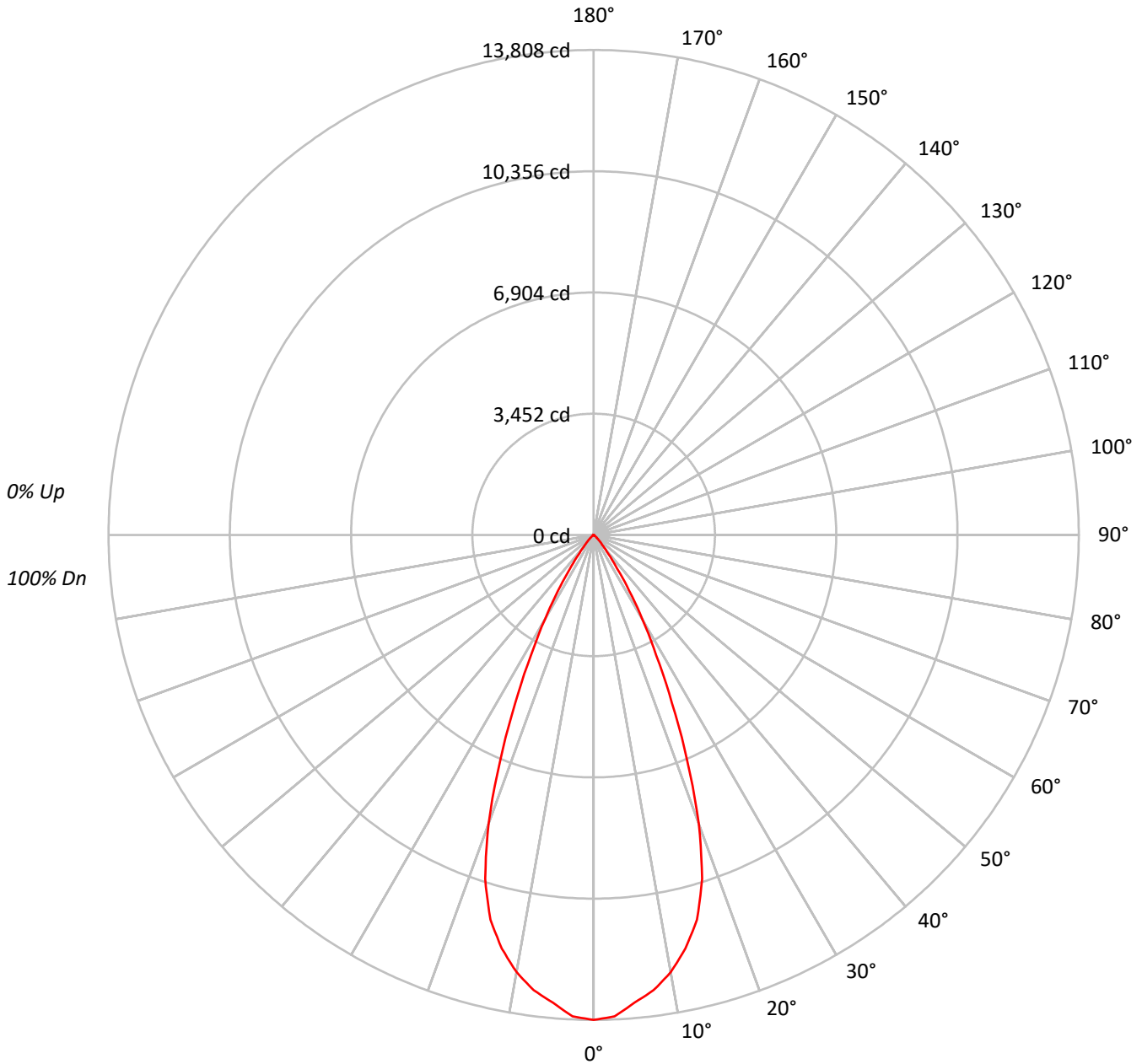
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P769012  
CATALOG NUMBER: LD6D60D010-EU6DR4555659050-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P769012

CATALOG NUMBER: LD6D60D010-EU6DR4555659050-6LBDP1H

**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			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73																
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66																
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63																
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60																

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

	0°
0°	1508716
5°	1465760
10°	1402339
15°	1283437
20°	1018213
25°	635679
30°	350369
35°	157325
40°	61958
45°	29204
50°	13853
55°	7239
60°	3562
65°	853
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29204 cd/sqm



TEST NUMBER: P769012

CATALOG NUMBER: LD6D60D010-EU6DR4555659050-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1255.7	16.1
10°-20°	3090.4	39.6
20°-30°	2447.3	31.3
30°-40°	815.0	10.4
40°-50°	161.7	2.1
50°-60°	36.7	0.5
60°-70°	5.3	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	6793.4	87.0
0°-40°	7608.4	97.4
0°-60°	7806.9	99.9
0°-90°	7812.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7812.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13808	
5°	13364	###
15°	11346	3090
25°	5273	2447
35°	1180	815
45°	189	162
55°	38	37
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P769012

CATALOG NUMBER: LD6D60D010-EU6DR4555659050-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13808.4
2.5°	13718.3
5°	13364.2
7.5°	13072.1
10°	12639.8
12.5°	12064.2
15°	11346.3
17.5°	10266.7
20°	8757.1
22.5°	6958.5
25°	5272.9
27.5°	3861.0
30°	2777.1
32.5°	1888.7
35°	1179.5
37.5°	699.4
40°	434.4
42.5°	285.6
45°	189.0
47.5°	121.6
50°	81.5
52.5°	54.3
55°	38.0
57.5°	25.0
60°	16.3
62.5°	8.7
65°	3.3
67.5°	1.1
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)