

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: P768848

Luminaire Tested: LD6D60D010-EU6DR3555659040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768848  
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: LD6D60D010-EU6DR3555659040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7995.5 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

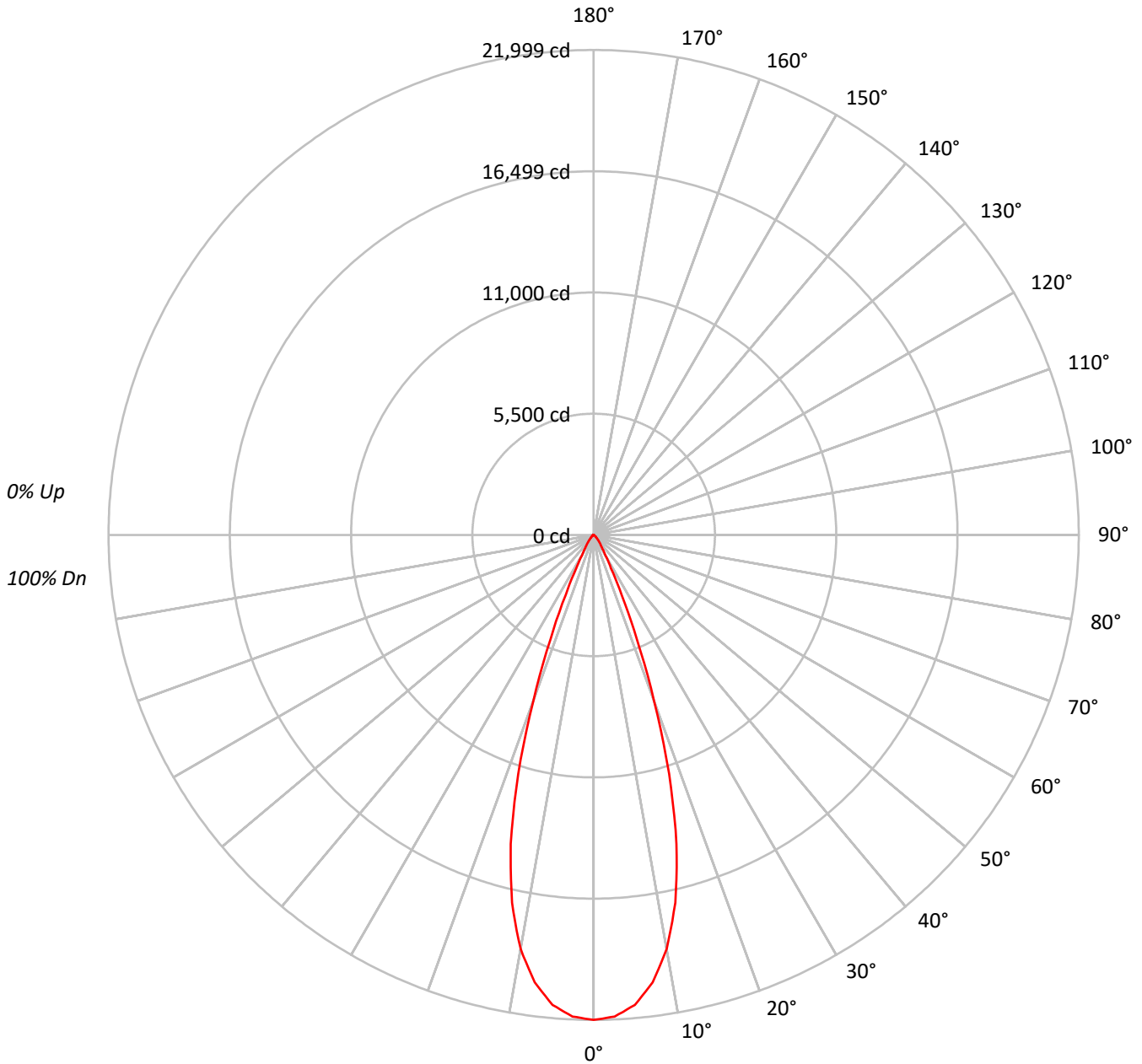
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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°	2403660
5°	2347188
10°	2115435
15°	1641922
20°	931276
25°	362307
30°	135172
35°	74094
40°	48423
45°	29482
50°	18766
55°	13258
60°	9702
65°	5274
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29482 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1968.2	24.6
10°-20°	3842.8	48.1
20°-30°	1567.3	19.6
30°-40°	375.1	4.7
40°-50°	156.3	2.0
50°-60°	64.7	0.8
60°-70°	20.3	0.3
70°-80°	0.5	0.0
80°-90°	0.3	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°	7378.3	92.3
0°-40°	7753.4	97.0
0°-60°	7974.4	99.7
0°-90°	7995.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7995.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21999	
5°	21401	###
15°	14516	3843
25°	3005	1567
35°	556	375
45°	191	156
55°	70	65
65°	20	20
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21999.3
2.5°	21867.4
5°	21400.7
7.5°	20469.7
10°	19067.2
12.5°	17092.5
15°	14515.5
17.5°	11363.8
20°	8009.4
22.5°	5107.2
25°	3005.3
27.5°	1698.8
30°	1071.4
32.5°	752.2
35°	555.5
37.5°	429.5
40°	339.5
42.5°	261.5
45°	190.8
47.5°	142.8
50°	110.4
52.5°	87.6
55°	69.6
57.5°	56.4
60°	44.4
62.5°	32.4
65°	20.4
67.5°	7.2
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.2
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

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— 0°-180°

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(END OF REPORT)