

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: P770144

Luminaire Tested: LD6D65D010-EU6DR7055659030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770144  
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: LD6D65D010-EU6DR7055659030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8392.9 lumens  
Efficiency: N/A  
Efficacy: 115.3 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

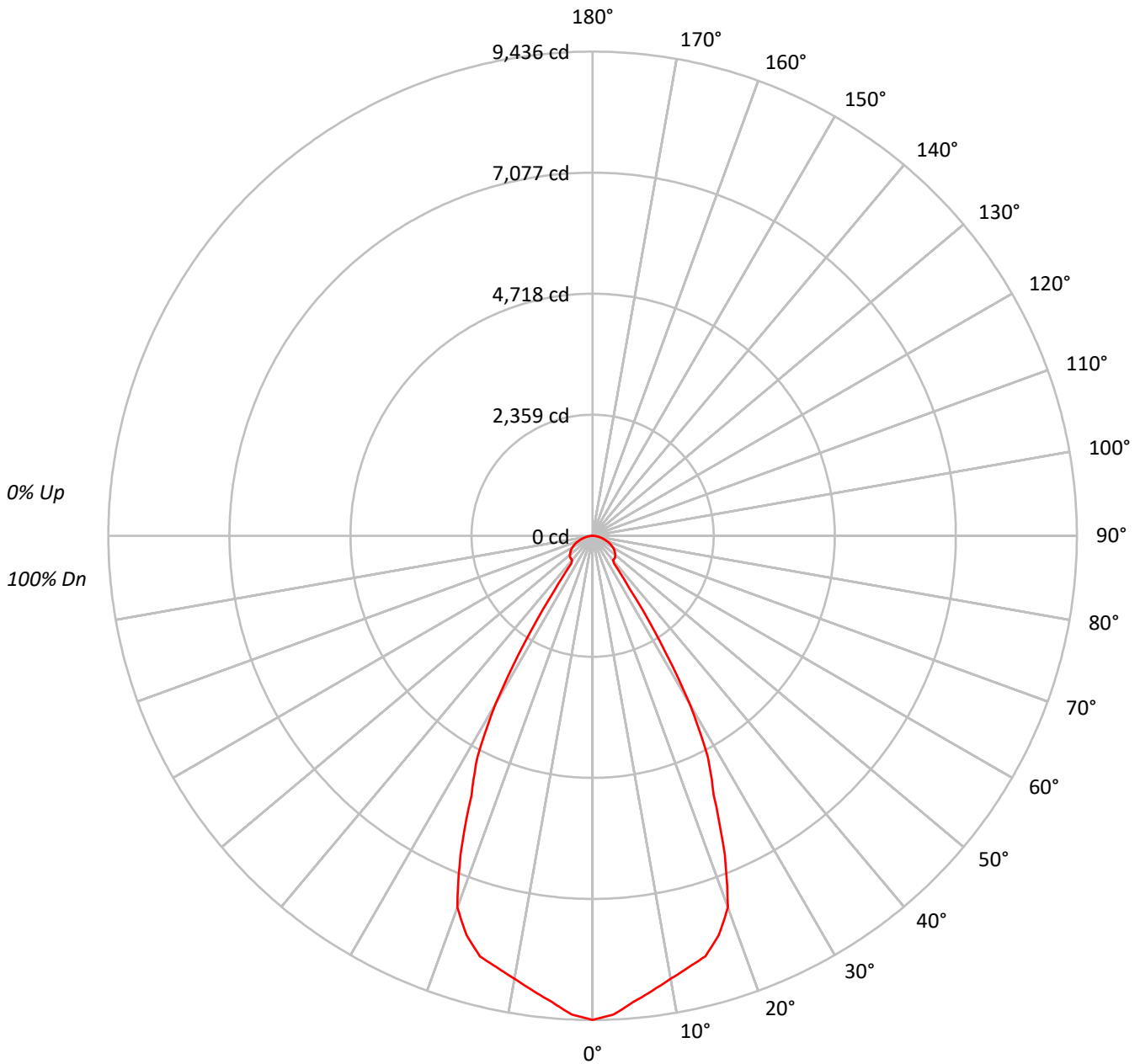
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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°	1030984
5°	1000352
10°	972466
15°	959713
20°	896173
25°	673244
30°	475926
35°	168582
40°	88644
45°	94411
50°	97772
55°	99607
60°	100236
65°	98113
70°	92579
75°	85781
80°	76134
85°	61804

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 100252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	860.3	10.3
10°-20°	2359.7	28.1
20°-30°	2598.9	31.0
30°-40°	993.0	11.8
40°-50°	468.8	5.6
50°-60°	466.1	5.6
60°-70°	373.2	4.4
70°-80°	214.5	2.6
80°-90°	58.3	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°	5818.9	69.3
0°-40°	6811.9	81.2
0°-60°	7746.9	92.3
0°-90°	8392.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8392.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9436	
5°	9121	860
15°	8484	2360
25°	5584	2599
35°	1264	993
45°	611	469
55°	523	466
65°	380	373
75°	203	214
85°	49	58
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9436.0
2.5°	9337.4
5°	9120.8
7.5°	8940.0
10°	8765.2
12.5°	8617.3
15°	8484.4
17.5°	8163.2
20°	7707.5
22.5°	6724.4
25°	5584.5
27.5°	4861.4
30°	3772.3
32.5°	2436.7
35°	1263.9
37.5°	682.8
40°	621.5
42.5°	617.0
45°	611.0
47.5°	597.6
50°	575.2
52.5°	549.8
55°	522.9
57.5°	493.0
60°	458.7
62.5°	419.8
65°	379.5
67.5°	334.7
70°	289.8
72.5°	245.0
75°	203.2
77.5°	159.9
80°	121.0
82.5°	85.2
85°	49.3
87.5°	19.4
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)