

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: P769722

Luminaire Tested: LD6D65D010-EU6DR4055659050-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR4055659050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7983.6 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

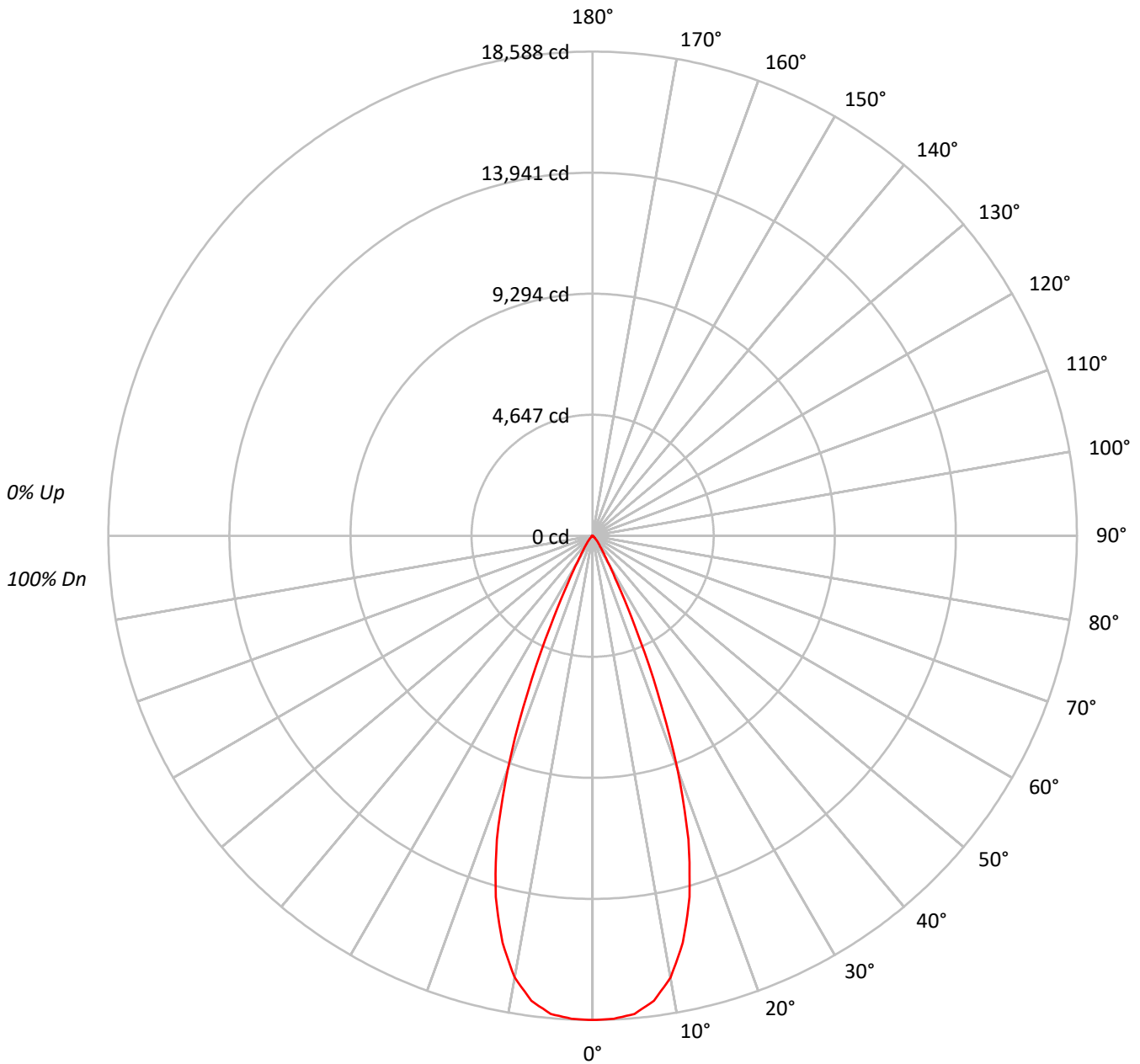
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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					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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96								
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92								
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88								
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84								
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81								
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77								
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74								
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72								
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69								
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67								

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

	0°
0°	2030917
5°	2021050
10°	1910328
15°	1624015
20°	1106883
25°	461838
30°	145214
35°	67492
40°	37326
45°	17121
50°	8312
55°	4553
60°	2382
65°	853
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17121 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1720.6	21.6
10°-20°	3854.7	48.3
20°-30°	1929.5	24.2
30°-40°	353.7	4.4
40°-50°	97.6	1.2
50°-60°	22.9	0.3
60°-70°	4.4	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°	7504.8	94.0
0°-40°	7858.5	98.4
0°-60°	7979.0	99.9
0°-90°	7983.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7983.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18588	
5°	18427	###
15°	14357	3855
25°	3831	1930
35°	506	354
45°	111	98
55°	24	23
65°	3	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	18587.8
2.5°	18560.6
5°	18427.1
7.5°	18001.4
10°	17218.5
12.5°	15998.0
15°	14357.2
17.5°	12223.5
20°	9519.7
22.5°	6490.2
25°	3830.9
27.5°	2025.1
30°	1151.0
32.5°	743.8
35°	506.0
37.5°	361.6
40°	261.7
42.5°	179.2
45°	110.8
47.5°	70.6
50°	48.9
52.5°	34.7
55°	23.9
57.5°	15.2
60°	10.9
62.5°	6.5
65°	3.3
67.5°	2.2
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

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— 0°-180°

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(END OF REPORT)