

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P769502

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR3055659027-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

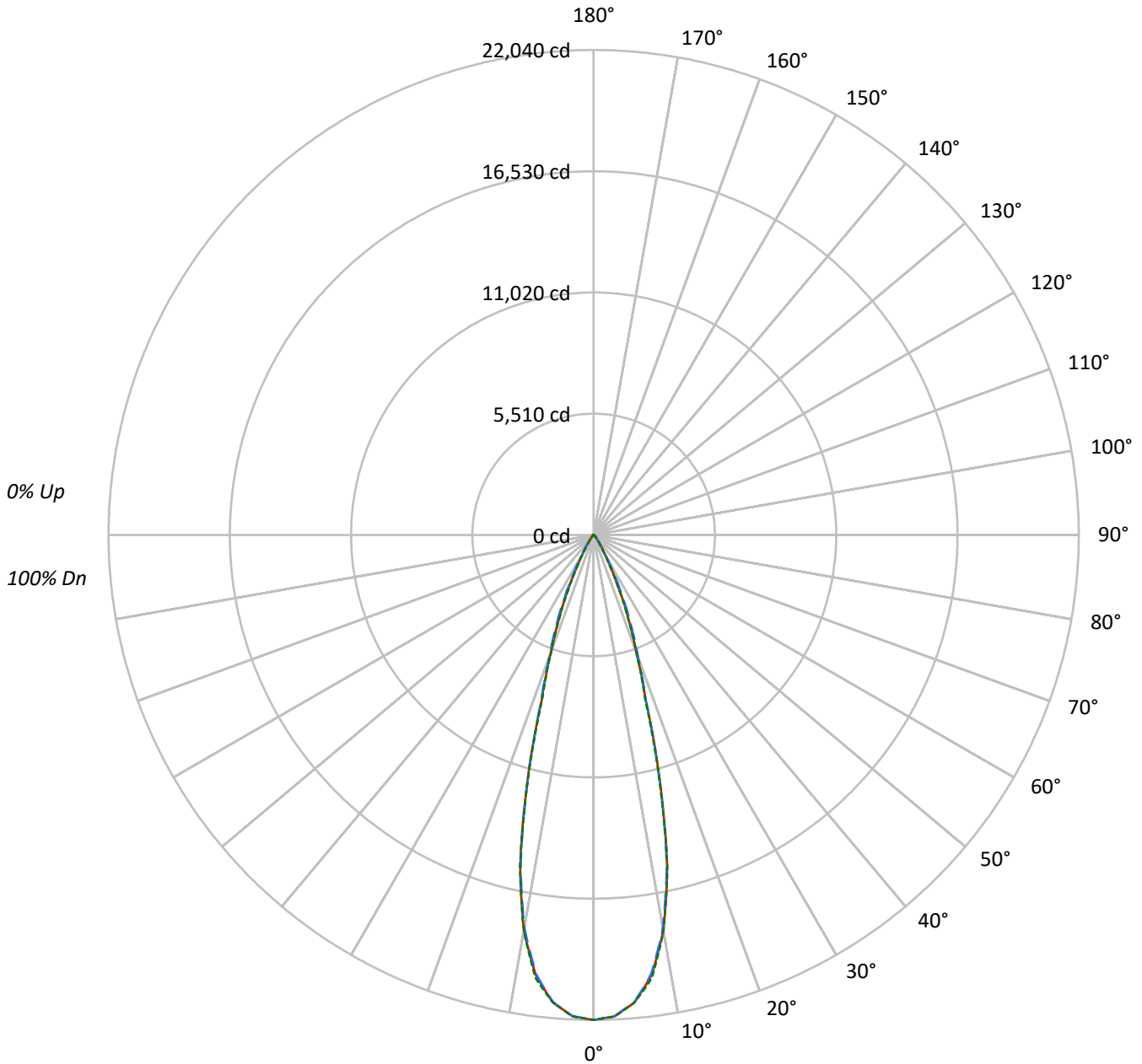
Lumens per Lamp: N/A  
Luminaire Lumens: 6854.4 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

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									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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	1687032	1687032	1687032
5°	1638600	1636694	1638684
10°	1419283	1409272	1418941
15°	926008	921032	916404
20°	460461	477738	459842
25°	231951	261561	227196
30°	92866	101192	80916
35°	43077	41255	34583
40°	18595	20654	17516
45°	13120	16281	13239
50°	4513	11860	4763
55°	2602	4911	2749
60°	1822	2159	1822
65°	1177	1177	1177
70°	716	492	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16281 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1938.1	28.3
10°-20°	3121.3	45.5
20°-30°	1348.8	19.7
30°-40°	307.4	4.5
40°-50°	105.6	1.5
50°-60°	25.8	0.4
60°-70°	6.7	0.1
70°-80°	0.7	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°	6408.3	93.5
0°-40°	6715.7	98.0
0°-60°	6847.0	99.9
0°-90°	6854.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6854.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22040	22040	22040	22040	22040	
5°	21326	21306	21301	21346	21327	1940
15°	11686	11545	11623	11585	11564	3129
25°	2746	2850	3097	2778	2690	1315
35°	461	471	442	438	370	313
45°	121	150	150	150	122	86
55°	20	21	37	22	21	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	22040.2	22040.2	22040.2	22040.2	22040.2
2.5°	21894.1	21879.0	21887.7	21898.5	21902.8
5°	21326.0	21305.5	21301.2	21345.5	21327.1
7.5°	20180.1	20150.9	20106.5	20207.2	20301.3
10°	18260.5	18228.0	18131.7	18179.3	18256.1
12.5°	15426.4	15321.5	15319.3	15470.8	15450.2
15°	11685.6	11544.9	11622.8	11585.0	11564.4
17.5°	7858.2	7804.1	7908.0	7876.6	7741.4
20°	5652.9	5667.0	5865.0	5765.4	5645.3
22.5°	4125.0	4175.8	4410.6	4154.2	4060.0
25°	2746.4	2850.3	3097.0	2777.8	2690.1
27.5°	1689.2	1736.8	1986.7	1667.5	1619.9
30°	1050.7	1026.9	1144.9	982.5	915.5
32.5°	689.3	659.0	696.9	625.5	571.3
35°	461.0	470.7	441.5	438.3	370.1
37.5°	287.8	331.1	292.2	311.6	238.1
40°	186.1	240.2	206.7	228.3	175.3
42.5°	152.6	185.0	169.9	180.7	155.8
45°	121.2	150.4	150.4	150.4	122.3
47.5°	67.1	100.6	128.8	102.8	71.4
50°	37.9	50.9	99.6	53.0	40.0
52.5°	26.0	29.2	68.2	30.3	27.1
55°	19.5	20.6	36.8	21.6	20.6
57.5°	15.1	16.2	19.5	16.2	15.1
60°	11.9	11.9	14.1	13.0	11.9
62.5°	8.7	8.7	9.7	8.7	8.7
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.2	2.2	2.2	3.2
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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