

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: P769551

Luminaire Tested: LD6D65D010-EU6DR3055659040-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769551  
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-EU6DR3055659040-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8184.4 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

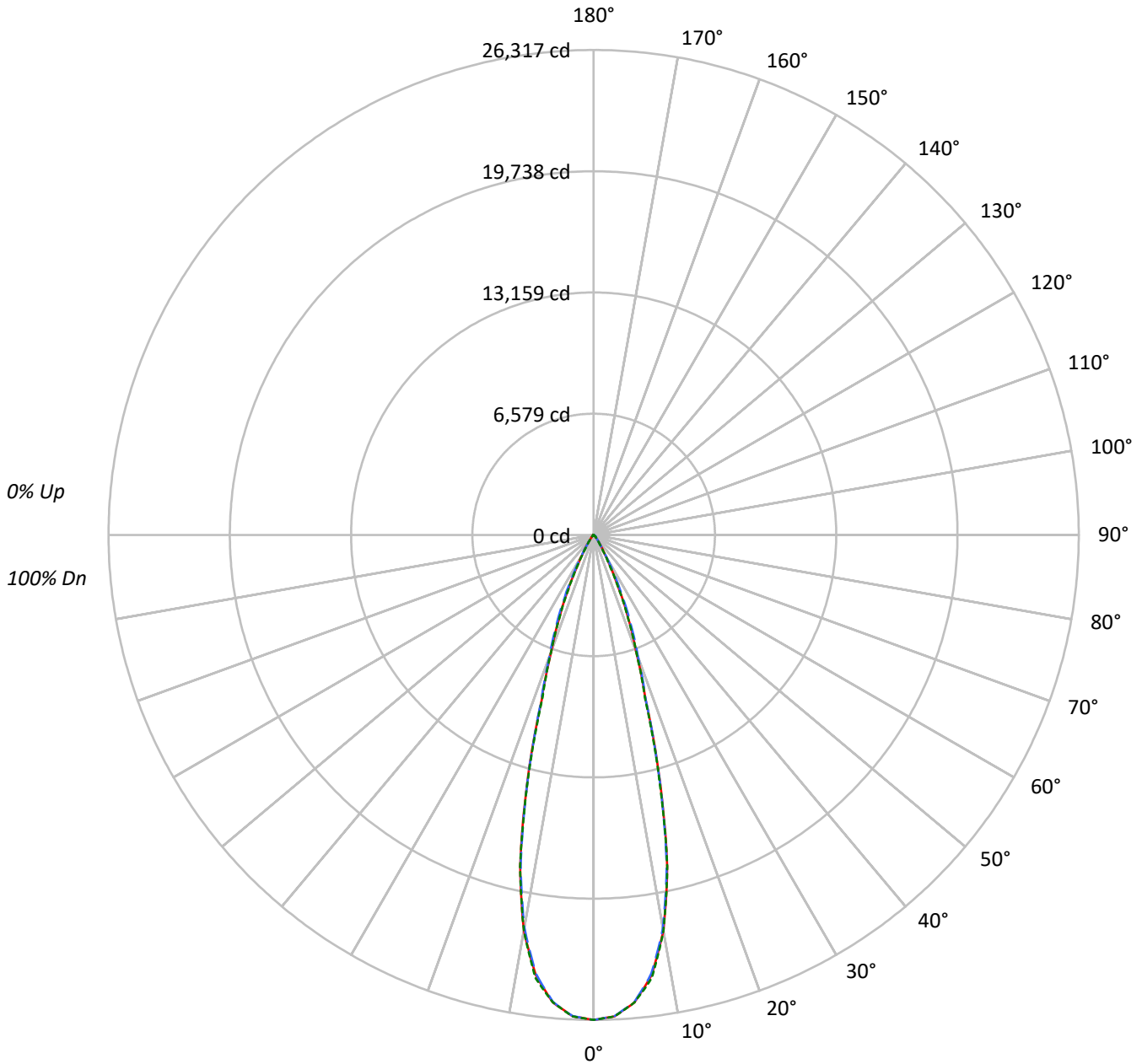
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	2014377	2014377	2014377
5°	1956546	1954264	1956646
10°	1694667	1682721	1694271
15°	1105685	1099750	1094219
20°	549810	570435	549069
25°	276958	312311	271282
30°	110887	120822	96613
35°	51431	49263	41292
40°	22202	24660	20913
45°	15664	19441	15804
50°	5382	14159	5692
55°	3109	5858	3270
60°	2174	2572	2174
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19441 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2314.2	28.3
10°-20°	3727.0	45.5
20°-30°	1610.5	19.7
30°-40°	367.1	4.5
40°-50°	126.0	1.5
50°-60°	30.8	0.4
60°-70°	8.0	0.1
70°-80°	0.8	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°	7651.7	93.5
0°-40°	8018.8	98.0
0°-60°	8175.6	99.9
0°-90°	8184.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8184.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26317	26317	26317	26317	26317	
5°	25464	25440	25434	25487	25465	2316
15°	13953	13785	13878	13833	13808	3736
25°	3279	3403	3698	3317	3212	1570
35°	550	562	527	523	442	373
45°	145	180	180	180	146	103
55°	23	24	44	26	24	23
65°	8	8	8	8	8	8
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°	26316.8	26316.8	26316.8	26316.8	26316.8
2.5°	26142.4	26124.3	26134.6	26147.6	26152.7
5°	25464.0	25439.5	25434.3	25487.3	25465.3
7.5°	24095.7	24060.9	24007.9	24128.1	24240.5
10°	21803.6	21764.9	21649.9	21706.7	21798.5
12.5°	18419.7	18294.4	18291.8	18472.7	18448.1
15°	13953.0	13785.1	13878.1	13832.9	13808.3
17.5°	9383.0	9318.4	9442.4	9405.0	9243.4
20°	6749.8	6766.6	7003.0	6884.1	6740.7
22.5°	4925.4	4986.1	5266.5	4960.2	4847.8
25°	3279.3	3403.3	3697.9	3316.7	3212.1
27.5°	2016.9	2073.8	2372.2	1991.1	1934.2
30°	1254.6	1226.2	1367.0	1173.2	1093.1
32.5°	823.0	786.9	832.1	746.8	682.2
35°	550.4	562.0	527.2	523.3	441.9
37.5°	343.7	395.4	348.9	372.1	284.3
40°	222.2	286.8	246.8	272.6	209.3
42.5°	182.2	220.9	202.9	215.8	186.1
45°	144.7	179.6	179.6	179.6	146.0
47.5°	80.1	120.2	153.8	122.7	85.3
50°	45.2	60.7	118.9	63.3	47.8
52.5°	31.0	34.9	81.4	36.2	32.3
55°	23.3	24.5	43.9	25.8	24.5
57.5°	18.1	19.4	23.3	19.4	18.1
60°	14.2	14.2	16.8	15.5	14.2
62.5°	10.3	10.3	11.6	10.3	10.3
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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

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

Scaled Data Report



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Scaled Data Report







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

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