

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: P769509

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769509  
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-EU6DR3055659027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7407.9 lumens  
Efficiency: N/A  
Efficacy: 101.8 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

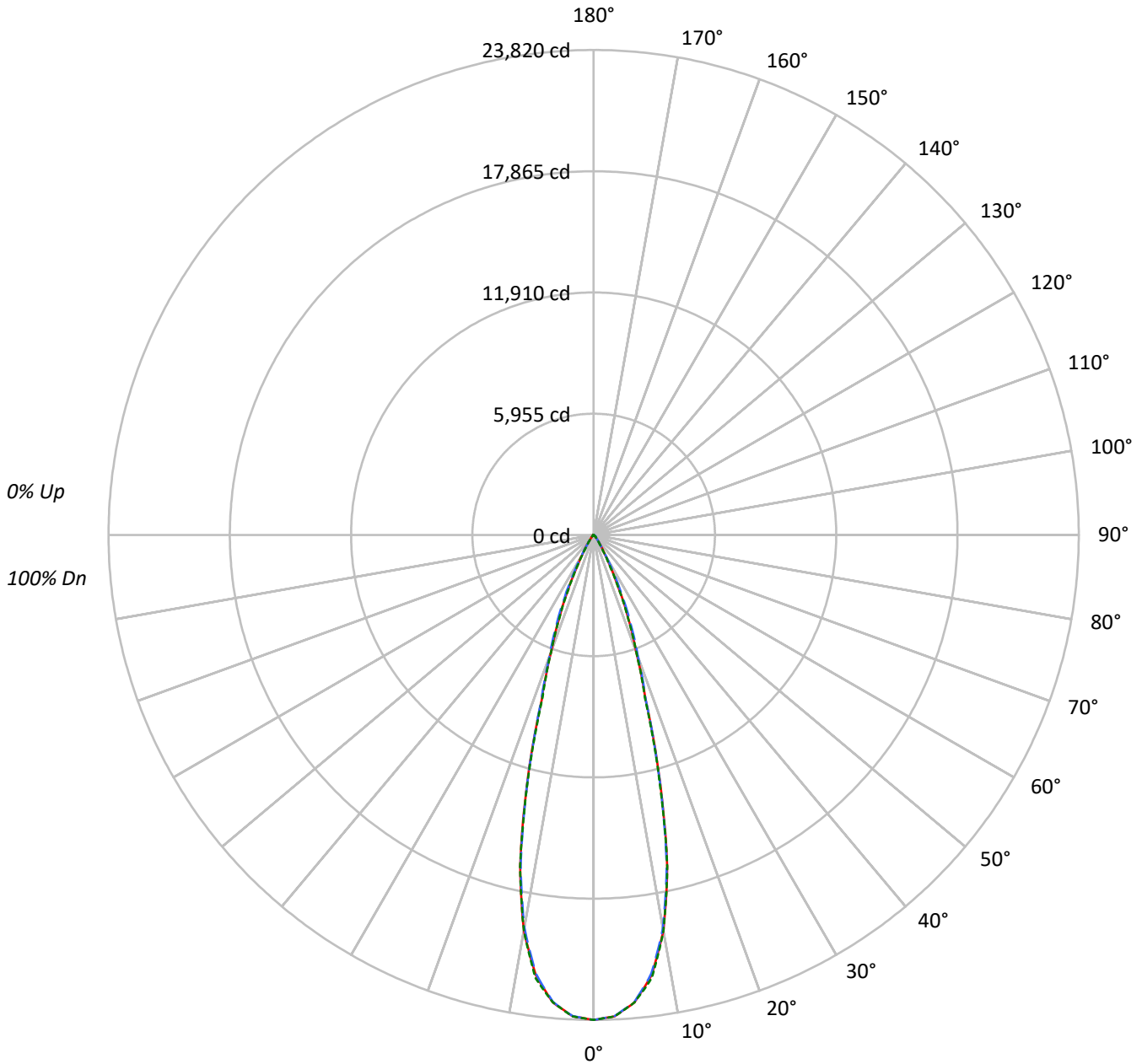
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	1823264	1823264	1823264
5°	1770919	1768852	1771011
10°	1533887	1523068	1533522
15°	1000783	995410	990402
20°	497646	516316	496978
25°	250675	282684	245540
30°	100370	109358	87448
35°	46553	44581	37377
40°	20104	22322	18935
45°	14181	17601	14310
50°	4870	12813	5156
55°	2816	5311	2963
60°	1975	2327	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2094.6	28.3
10°-20°	3373.4	45.5
20°-30°	1457.7	19.7
30°-40°	332.2	4.5
40°-50°	114.1	1.5
50°-60°	27.9	0.4
60°-70°	7.2	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°	6925.7	93.5
0°-40°	7258.0	98.0
0°-60°	7399.9	99.9
0°-90°	7407.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7407.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23820	23820	23820	23820	23820	
5°	23048	23026	23021	23069	23049	2096
15°	12629	12477	12561	12520	12498	3382
25°	2968	3080	3347	3002	2907	1421
35°	498	509	477	474	400	338
45°	131	163	163	163	132	93
55°	21	22	40	23	22	21
65°	7	7	7	7	7	7
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°	23820.0	23820.0	23820.0	23820.0	23820.0
2.5°	23662.1	23645.7	23655.1	23666.8	23671.4
5°	23048.1	23025.9	23021.2	23069.2	23049.3
7.5°	21809.6	21778.1	21730.1	21838.9	21940.6
10°	19735.0	19699.9	19595.8	19647.3	19730.3
12.5°	16672.1	16558.7	16556.3	16720.1	16697.8
15°	12629.2	12477.2	12561.4	12520.5	12498.2
17.5°	8492.8	8434.3	8546.6	8512.6	8366.5
20°	6109.4	6124.6	6338.6	6231.0	6101.2
22.5°	4458.1	4513.0	4766.8	4489.6	4387.9
25°	2968.1	3080.4	3347.1	3002.1	2907.3
27.5°	1825.6	1877.0	2147.2	1802.2	1750.7
30°	1135.6	1109.8	1237.3	1061.9	989.4
32.5°	745.0	712.2	753.1	676.0	617.5
35°	498.2	508.7	477.1	473.6	400.0
37.5°	311.1	357.9	315.8	336.8	257.3
40°	201.2	259.6	223.4	246.8	189.5
42.5°	164.9	200.0	183.6	195.3	168.4
45°	131.0	162.6	162.6	162.6	132.2
47.5°	72.5	108.8	139.2	111.1	77.2
50°	40.9	55.0	107.6	57.3	43.3
52.5°	28.1	31.6	73.7	32.7	29.2
55°	21.1	22.2	39.8	23.4	22.2
57.5°	16.4	17.5	21.1	17.5	16.4
60°	12.9	12.9	15.2	14.0	12.9
62.5°	9.4	9.4	10.5	9.4	9.4
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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