

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: P769563

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769563  
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-EU6DR3055659050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9105.2 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

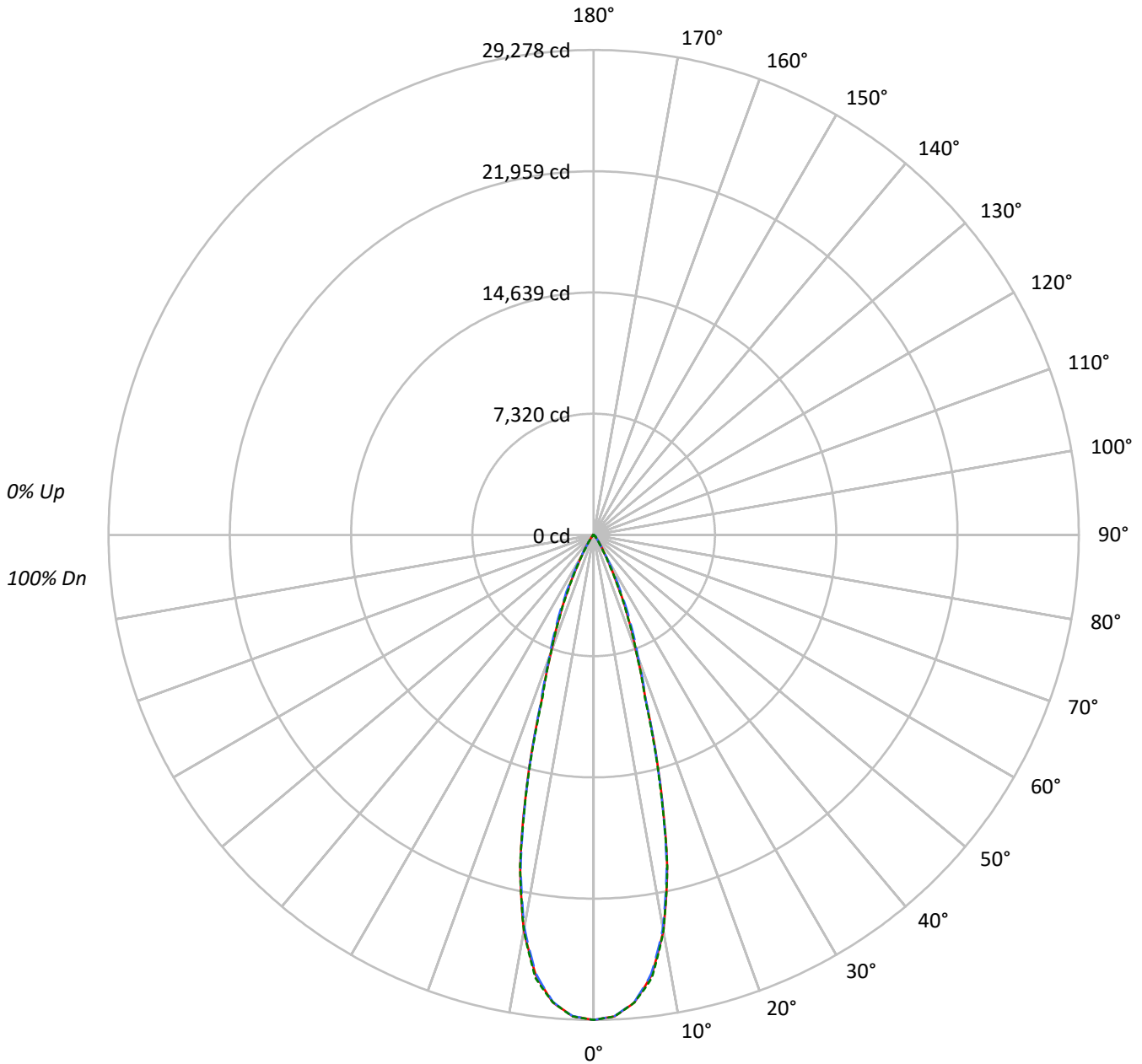
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	2241022	2241022	2241022
5°	2176688	2174145	2176796
10°	1885340	1872042	1884890
15°	1230090	1223481	1217332
20°	611668	634614	610845
25°	308113	347453	301805
30°	123367	134415	107485
35°	57215	54804	45936
40°	24700	27438	23271
45°	17428	21628	17580
50°	5990	15742	6335
55°	3456	6526	3643
60°	2419	2863	2419
65°	1558	1558	1558
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 21628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2574.5	28.3
10°-20°	4146.3	45.5
20°-30°	1791.7	19.7
30°-40°	408.4	4.5
40°-50°	140.2	1.5
50°-60°	34.2	0.4
60°-70°	8.9	0.1
70°-80°	0.9	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°	8512.6	93.5
0°-40°	8921.0	98.0
0°-60°	9095.4	99.9
0°-90°	9105.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9105.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	29278	29278	29278	29278	29278	
5°	28329	28302	28296	28355	28330	2577
15°	15523	15336	15440	15389	15362	4156
25°	3648	3786	4114	3690	3574	1746
35°	612	625	586	582	492	415
45°	161	200	200	200	162	114
55°	26	27	49	29	27	25
65°	9	9	9	9	9	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°	29277.8	29277.8	29277.8	29277.8	29277.8
2.5°	29083.7	29063.6	29075.1	29089.5	29095.2
5°	28329.1	28301.7	28296.0	28354.9	28330.5
7.5°	26806.8	26768.0	26709.1	26842.7	26967.8
10°	24256.8	24213.7	24085.7	24149.0	24251.0
12.5°	20492.1	20352.7	20349.8	20551.1	20523.8
15°	15522.9	15336.0	15439.5	15389.2	15361.9
17.5°	10438.7	10366.8	10504.8	10463.1	10283.4
20°	7509.2	7527.9	7790.9	7658.7	7499.1
22.5°	5479.5	5547.1	5859.0	5518.3	5393.3
25°	3648.2	3786.2	4114.0	3689.9	3573.5
27.5°	2243.8	2307.1	2639.1	2215.1	2151.8
30°	1395.8	1364.1	1520.8	1305.2	1216.1
32.5°	915.6	875.4	925.7	830.8	759.0
35°	612.3	625.3	586.5	582.2	491.6
37.5°	382.4	439.9	388.1	414.0	316.2
40°	247.2	319.1	274.6	303.3	232.9
42.5°	202.7	245.8	225.7	240.1	207.0
45°	161.0	199.8	199.8	199.8	162.4
47.5°	89.1	133.7	171.1	136.6	94.9
50°	50.3	67.6	132.2	70.4	53.2
52.5°	34.5	38.8	90.6	40.2	35.9
55°	25.9	27.3	48.9	28.7	27.3
57.5°	20.1	21.6	25.9	21.6	20.1
60°	15.8	15.8	18.7	17.2	15.8
62.5°	11.5	11.5	12.9	11.5	11.5
65°	8.6	8.6	8.6	8.6	8.6
67.5°	4.3	5.7	5.7	5.7	5.7
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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