

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: P794214

Luminaire Tested: LER6D60D010-EC6DR3055659024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794214  
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: LER6D60D010-EC6DR3055659024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5994.7 lumens  
Efficiency: N/A  
Efficacy: 93.1 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): 64.4  
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

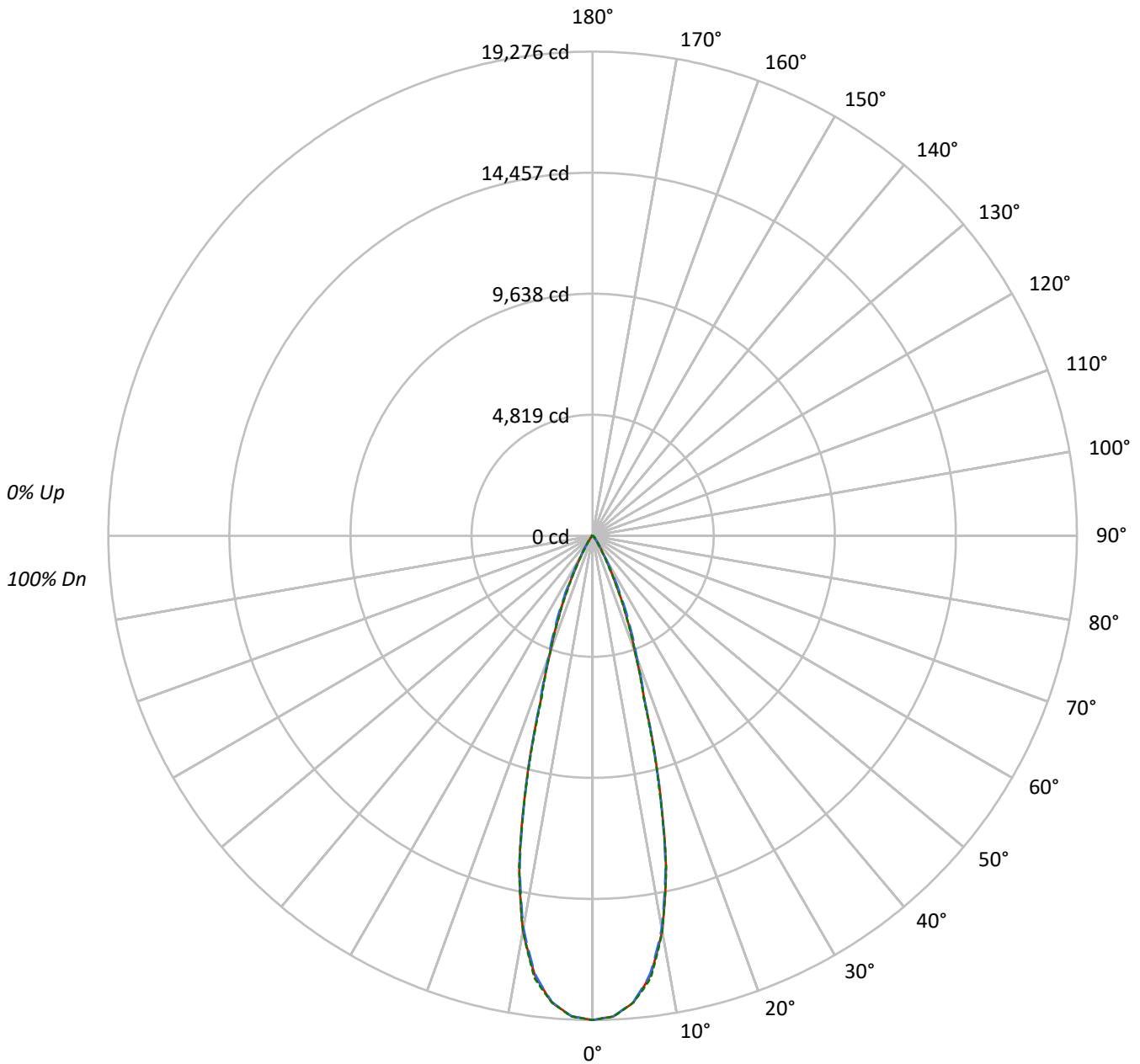


Downlight

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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°	1475443	1475443	1475443
5°	1433087	1431412	1433164
10°	1241271	1232519	1240976
15°	809869	805519	801469
20°	402709	417819	402172
25°	202856	228750	198700
30°	81217	88500	70761
35°	37676	36078	30247
40°	16267	18066	15318
45°	11474	14235	11572
50°	3942	10372	4168
55°	2269	4297	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14235 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1695.0	28.3
10°-20°	2729.9	45.5
20°-30°	1179.6	19.7
30°-40°	268.9	4.5
40°-50°	92.3	1.5
50°-60°	22.6	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5604.5	93.5
0°-40°	5873.4	98.0
0°-60°	5988.2	99.9
0°-90°	5994.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5994.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19276	19276	19276	19276	19276	
5°	18651	18633	18630	18668	18652	1696
15°	10220	10097	10165	10132	10114	2737
25°	2402	2493	2708	2429	2353	1150
35°	403	412	386	383	324	273
45°	106	132	132	132	107	75
55°	17	18	32	19	18	17
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°	19275.9	19275.9	19275.9	19275.9	19275.9
2.5°	19148.2	19134.9	19142.5	19151.9	19155.7
5°	18651.3	18633.3	18629.5	18668.3	18652.3
7.5°	17649.1	17623.5	17584.7	17672.7	17755.1
10°	15970.2	15941.8	15857.6	15899.2	15966.4
12.5°	13491.6	13399.8	13397.9	13530.4	13512.4
15°	10220.0	10097.0	10165.1	10132.0	10114.0
17.5°	6872.6	6825.3	6916.2	6888.7	6770.4
20°	4943.9	4956.2	5129.4	5042.3	4937.3
22.5°	3607.6	3652.1	3857.5	3633.2	3550.8
25°	2401.9	2492.8	2708.5	2429.4	2352.7
27.5°	1477.3	1518.9	1737.6	1458.4	1416.7
30°	918.9	898.1	1001.3	859.3	800.6
32.5°	602.8	576.3	609.5	547.0	499.7
35°	403.2	411.7	386.1	383.3	323.7
37.5°	251.7	289.6	255.5	272.6	208.2
40°	162.8	210.1	180.8	199.7	153.3
42.5°	133.4	161.8	148.6	158.0	136.3
45°	106.0	131.5	131.5	131.5	106.9
47.5°	58.7	88.0	112.6	89.9	62.5
50°	33.1	44.5	87.1	46.4	35.0
52.5°	22.7	25.6	59.6	26.5	23.7
55°	17.0	18.0	32.2	18.9	18.0
57.5°	13.2	14.2	17.0	14.2	13.2
60°	10.4	10.4	12.3	11.4	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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



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Scaled Data Report







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

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