

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: P787699

Luminaire Tested: LER6D05D010-EC6DR300210IC9024-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787699  
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: LER6D05D010-EC6DR300210IC9024-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 969.8 lumens  
Efficiency: N/A  
Efficacy: 129.3 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): 7.5  
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

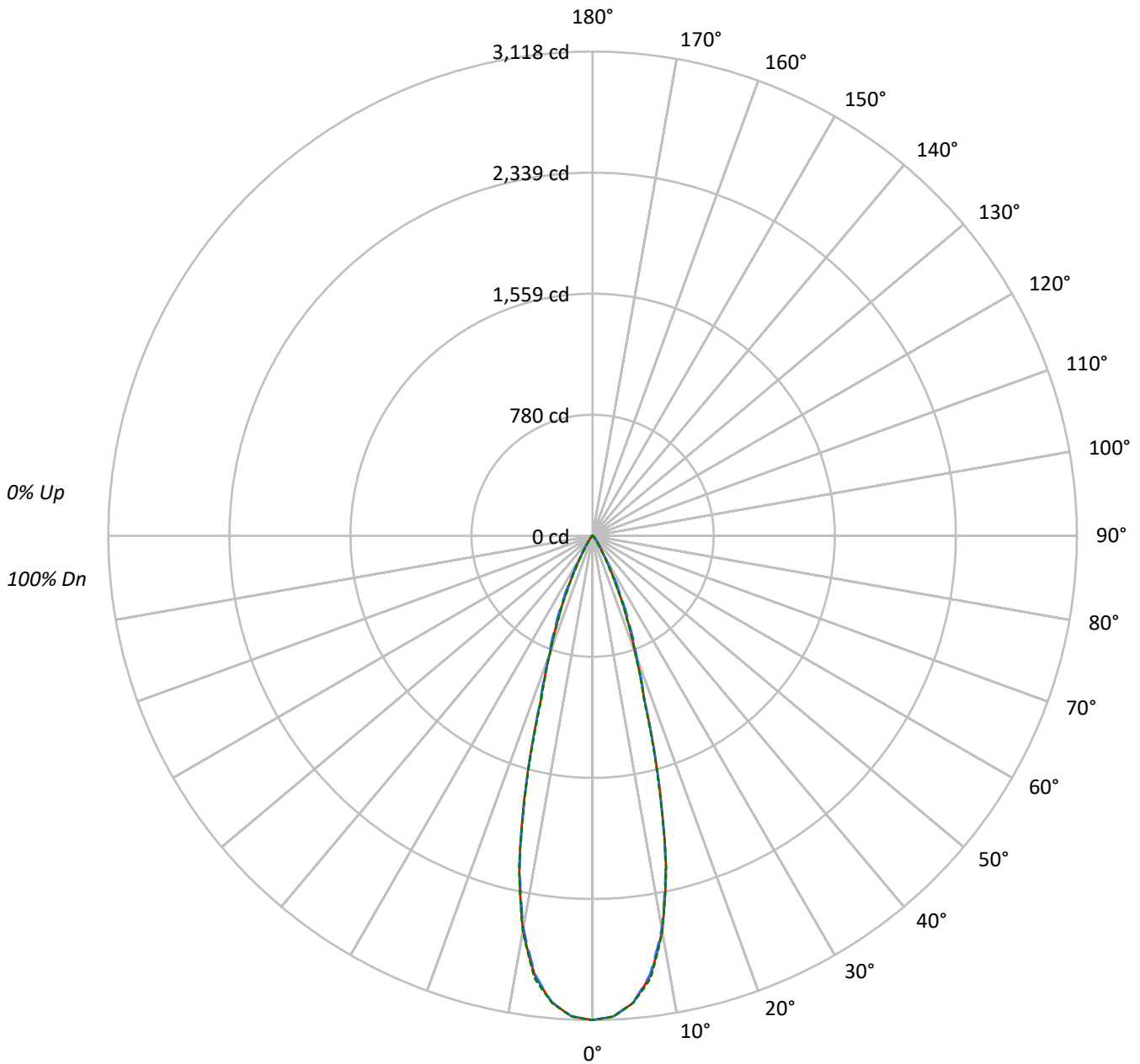


Downlight

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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°	238685	238685	238685
5°	231829	231560	231844
10°	200800	199386	200754
15°	131013	130308	129650
20°	65148	67592	65059
25°	32820	37009	32144
30°	13143	14318	11446
35°	6092	5840	4896
40°	2628	2918	2478
45°	1851	2306	1873
50°	643	1679	679
55°	374	694	387
60°	260	306	260
65°	163	163	163
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.2	28.3
10°-20°	441.6	45.5
20°-30°	190.8	19.7
30°-40°	43.5	4.5
40°-50°	14.9	1.5
50°-60°	3.6	0.4
60°-70°	0.9	0.1
70°-80°	0.1	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°	906.6	93.5
0°-40°	950.1	98.0
0°-60°	968.7	99.9
0°-90°	969.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3118	3118	3118	3118	3118	
5°	3017	3014	3014	3020	3017	274
15°	1653	1633	1644	1639	1636	443
25°	389	403	438	393	381	186
35°	65	67	62	62	52	44
45°	17	21	21	21	17	12
55°	3	3	5	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	3118.3	3118.3	3118.3	3118.3	3118.3
2.5°	3097.6	3095.5	3096.7	3098.2	3098.8
5°	3017.2	3014.3	3013.7	3020.0	3017.4
7.5°	2855.1	2851.0	2844.7	2858.9	2872.2
10°	2583.5	2578.9	2565.3	2572.0	2582.9
12.5°	2182.5	2167.7	2167.4	2188.8	2185.9
15°	1653.3	1633.4	1644.4	1639.1	1636.1
17.5°	1111.8	1104.1	1118.8	1114.4	1095.3
20°	799.8	801.8	829.8	815.7	798.7
22.5°	583.6	590.8	624.0	587.7	574.4
25°	388.6	403.3	438.2	393.0	380.6
27.5°	239.0	245.7	281.1	235.9	229.2
30°	148.7	145.3	162.0	139.0	129.5
32.5°	97.5	93.2	98.6	88.5	80.8
35°	65.2	66.6	62.5	62.0	52.4
37.5°	40.7	46.8	41.3	44.1	33.7
40°	26.3	34.0	29.2	32.3	24.8
42.5°	21.6	26.2	24.0	25.6	22.0
45°	17.1	21.3	21.3	21.3	17.3
47.5°	9.5	14.2	18.2	14.5	10.1
50°	5.4	7.2	14.1	7.5	5.7
52.5°	3.7	4.1	9.6	4.3	3.8
55°	2.8	2.9	5.2	3.1	2.9
57.5°	2.1	2.3	2.8	2.3	2.1
60°	1.7	1.7	2.0	1.8	1.7
62.5°	1.2	1.2	1.4	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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