

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: P785751

Luminaire Tested: LERS6D05D010-EC6DR300210IC9030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P785751  
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: LERS6D05D010-EC6DR300210IC9030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1126.9 lumens  
Efficiency: N/A  
Efficacy: 150.3 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

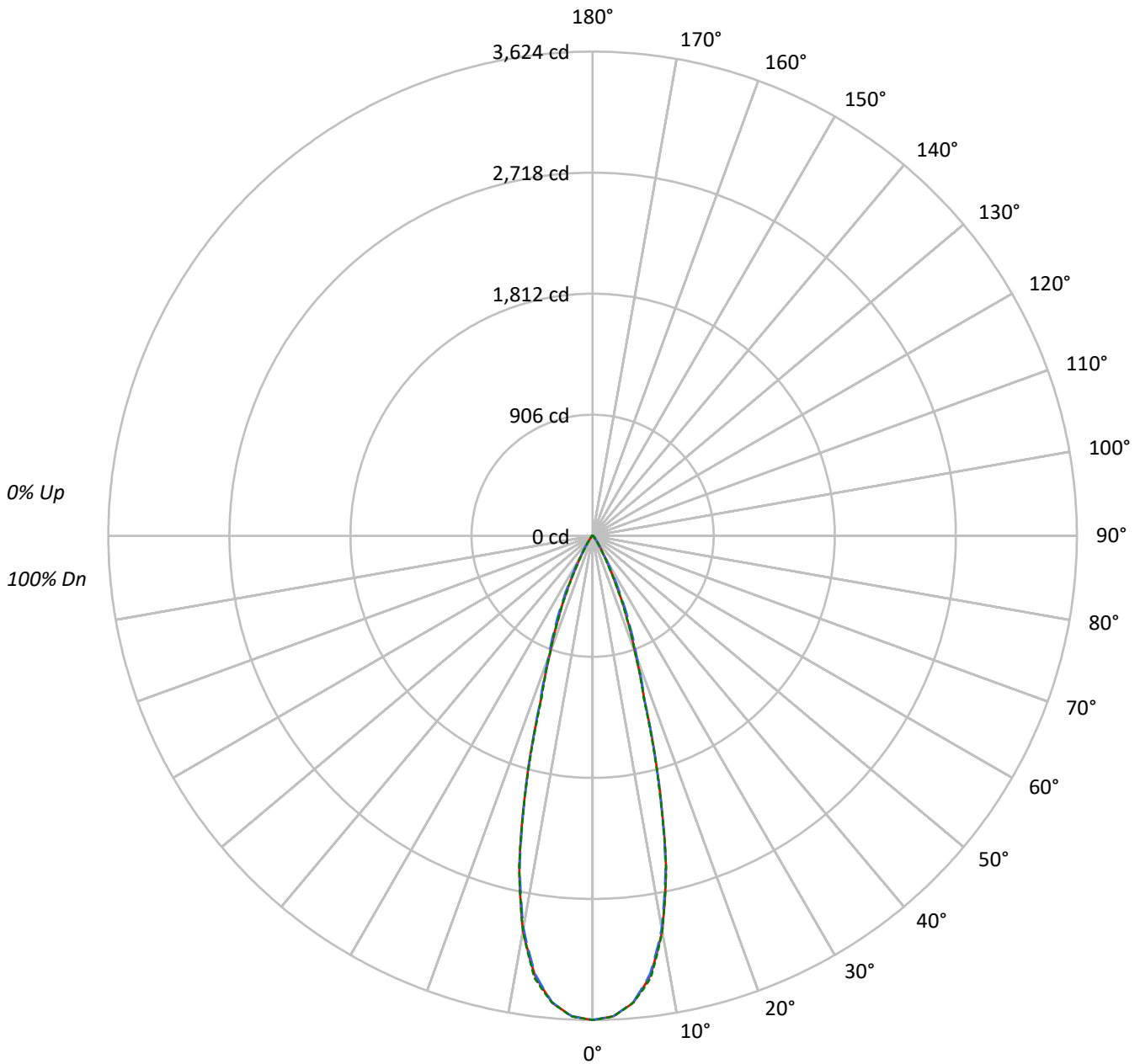


Downlight

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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																			
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°	277370	277370	277370
5°	269409	269094	269417
10°	233344	231704	233289
15°	152251	151427	150666
20°	75705	78548	75607
25°	38132	43005	37355
30°	15273	16634	13302
35°	7083	6784	5681
40°	3058	3397	2878
45°	2154	2674	2176
50°	738	1953	786
55°	427	801	454
60°	306	352	306
65°	199	199	199
70°	112	90	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: 2674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.6	28.3
10°-20°	513.2	45.5
20°-30°	221.8	19.7
30°-40°	50.5	4.5
40°-50°	17.3	1.5
50°-60°	4.2	0.4
60°-70°	1.1	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°	1053.6	93.5
0°-40°	1104.1	98.0
0°-60°	1125.7	99.9
0°-90°	1126.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3624	3624	3624	3624	3624	
5°	3506	3503	3502	3510	3506	319
15°	1921	1898	1911	1905	1901	514
25°	452	469	509	457	442	216
35°	76	77	73	72	61	51
45°	20	25	25	25	20	14
55°	3	3	6	4	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3623.7	3623.7	3623.7	3623.7	3623.7
2.5°	3599.7	3597.2	3598.6	3600.4	3601.1
5°	3506.3	3502.9	3502.2	3509.5	3506.4
7.5°	3317.9	3313.0	3305.8	3322.3	3337.8
10°	3002.2	2996.9	2981.1	2988.9	3001.5
12.5°	2536.3	2519.0	2518.7	2543.6	2540.2
15°	1921.3	1898.1	1910.9	1904.7	1901.3
17.5°	1292.0	1283.1	1300.2	1295.0	1272.8
20°	929.4	931.7	964.3	947.9	928.2
22.5°	678.2	686.6	725.2	683.0	667.5
25°	451.5	468.6	509.2	456.7	442.3
27.5°	277.7	285.5	326.6	274.2	266.3
30°	172.8	168.8	188.2	161.5	150.5
32.5°	113.3	108.3	114.6	102.8	93.9
35°	75.8	77.4	72.6	72.1	60.8
37.5°	47.3	54.4	48.0	51.2	39.1
40°	30.6	39.5	34.0	37.5	28.8
42.5°	25.1	30.4	27.9	29.7	25.6
45°	19.9	24.7	24.7	24.7	20.1
47.5°	11.0	16.5	21.2	16.9	11.7
50°	6.2	8.4	16.4	8.7	6.6
52.5°	4.3	4.8	11.2	5.0	4.4
55°	3.2	3.4	6.0	3.6	3.4
57.5°	2.5	2.7	3.2	2.7	2.5
60°	2.0	2.0	2.3	2.1	2.0
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.4	0.4	0.4	0.5
72.5°	0.4	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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(END OF REPORT)