

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: P787712

Luminaire Tested: LER6D05D010-EC6DR300210IC9030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787712  
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-EC6DR300210IC9030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1126.3 lumens  
Efficiency: N/A  
Efficacy: 150.2 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

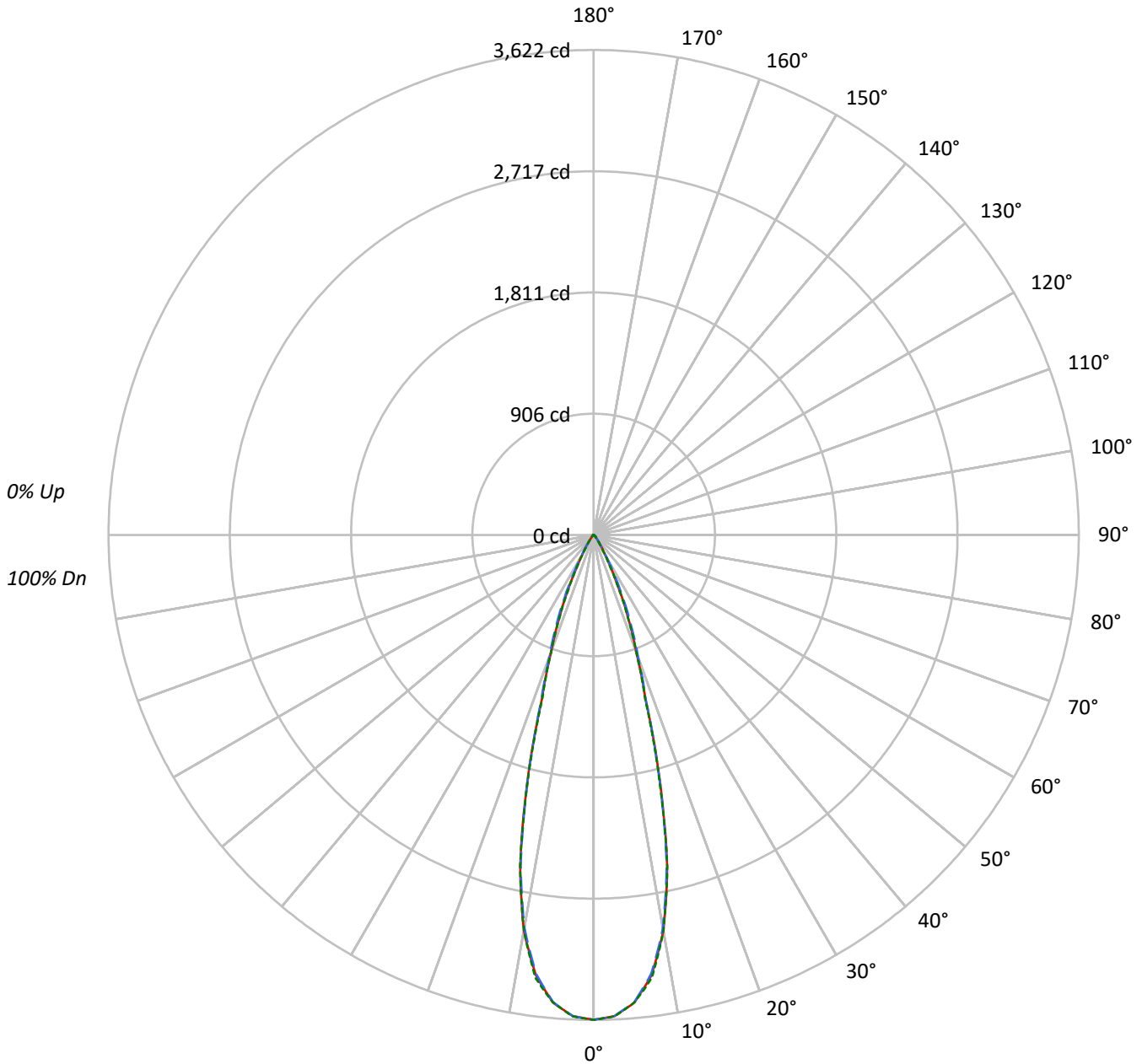


Downlight

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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	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°	277210	277210	277210
5°	269248	268933	269263
10°	233211	231564	233157
15°	152156	151339	150579
20°	75664	78499	75558
25°	38115	42980	37330
30°	15264	16625	13293
35°	7074	6775	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°	318.5	28.3
10°-20°	512.9	45.5
20°-30°	221.6	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°	1053.0	93.5
0°-40°	1103.5	98.0
0°-60°	1125.1	99.9
0°-90°	1126.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3622	3622	3622	3622	3622	
5°	3504	3501	3500	3507	3504	319
15°	1920	1897	1910	1904	1900	514
25°	451	468	509	456	442	216
35°	76	77	72	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°	3621.6	3621.6	3621.6	3621.6	3621.6
2.5°	3597.6	3595.1	3596.5	3598.3	3599.0
5°	3504.2	3500.8	3500.1	3507.4	3504.4
7.5°	3315.9	3311.1	3303.8	3320.4	3335.8
10°	3000.5	2995.2	2979.3	2987.2	2999.8
12.5°	2534.8	2517.6	2517.2	2542.1	2538.7
15°	1920.1	1897.0	1909.8	1903.6	1900.2
17.5°	1291.2	1282.3	1299.4	1294.3	1272.0
20°	928.9	931.2	963.7	947.4	927.6
22.5°	677.8	686.2	724.7	682.6	667.1
25°	451.3	468.3	508.9	456.4	442.0
27.5°	277.6	285.4	326.5	274.0	266.2
30°	172.7	168.7	188.1	161.4	150.4
32.5°	113.3	108.3	114.5	102.8	93.9
35°	75.7	77.3	72.5	72.0	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

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)