

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: P787730

Luminaire Tested: LER6D05D010-EC6DR300210IC9040-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787730  
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-EC6DR300210IC9040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1090.0 lumens  
Efficiency: N/A  
Efficacy: 145.3 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

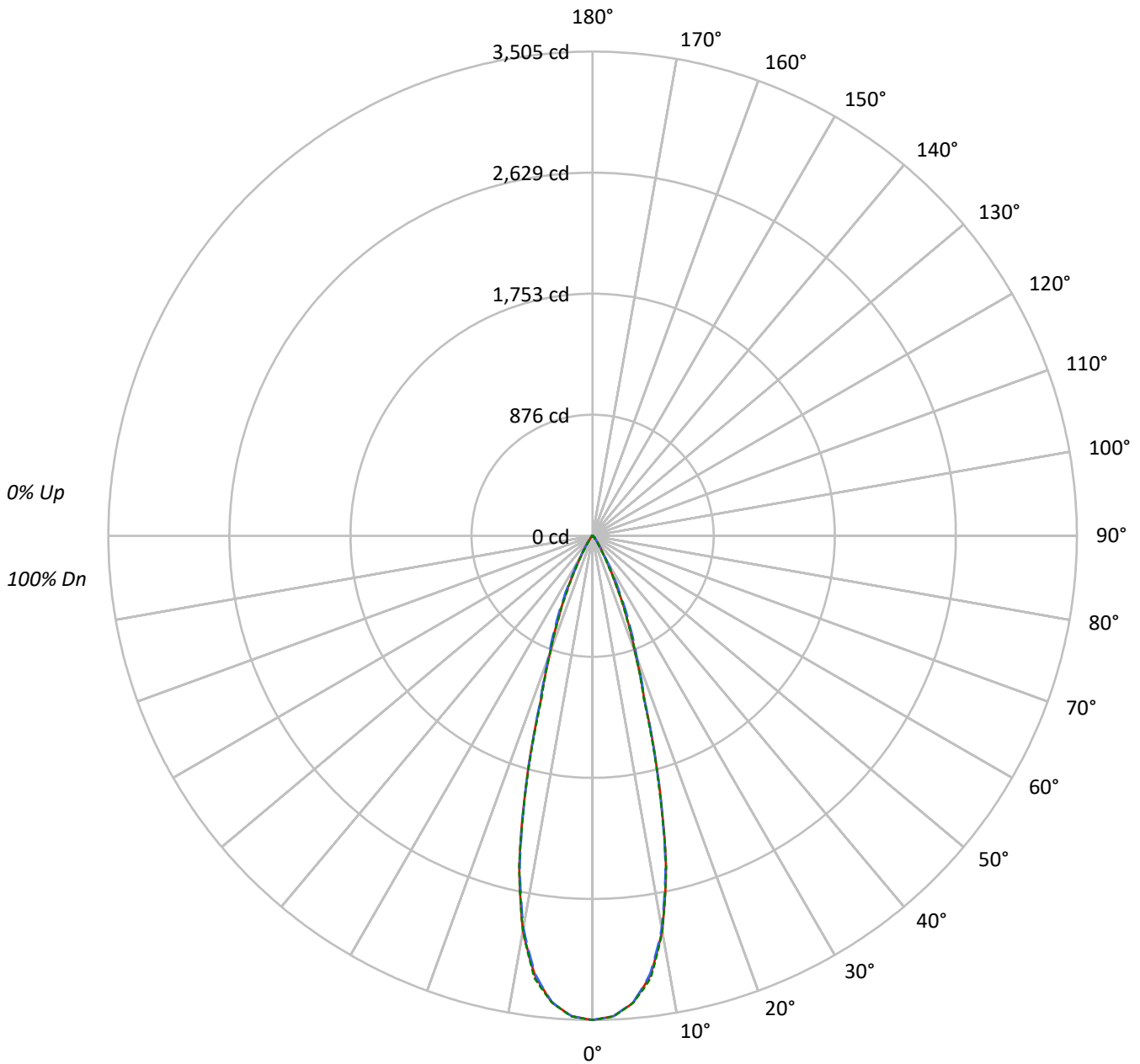


Downlight

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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	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°	268269	268269	268269
5°	260573	260266	260581
10°	225696	224102	225641
15°	147250	146466	145729
20°	73221	75966	73123
25°	36882	41595	36130
30°	14769	16095	12869
35°	6849	6560	5494
40°	2958	3287	2788
45°	2089	2587	2100
50°	714	1881	762
55°	414	787	440
60°	291	337	291
65°	181	181	181
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: 2587 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.2	28.3
10°-20°	496.4	45.5
20°-30°	214.5	19.7
30°-40°	48.9	4.5
40°-50°	16.8	1.5
50°-60°	4.1	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°	1019.0	93.5
0°-40°	1067.9	98.0
0°-60°	1088.8	99.9
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3505	3505	3505	3505	3505	
5°	3391	3388	3387	3394	3391	308
15°	1858	1836	1848	1842	1839	498
25°	437	453	492	442	428	209
35°	73	75	70	70	59	50
45°	19	24	24	24	19	14
55°	3	3	6	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3504.8	3504.8	3504.8	3504.8	3504.8
2.5°	3481.6	3479.2	3480.6	3482.3	3483.0
5°	3391.3	3388.0	3387.3	3394.3	3391.4
7.5°	3209.0	3204.4	3197.3	3213.3	3228.3
10°	2903.8	2898.6	2883.3	2890.9	2903.1
12.5°	2453.1	2436.4	2436.1	2460.2	2456.9
15°	1858.2	1835.9	1848.3	1842.2	1839.0
17.5°	1249.6	1241.0	1257.5	1252.5	1231.0
20°	898.9	901.2	932.6	916.8	897.7
22.5°	655.9	664.0	701.4	660.6	645.6
25°	436.7	453.2	492.5	441.7	427.8
27.5°	268.6	276.2	315.9	265.2	257.6
30°	167.1	163.3	182.1	156.2	145.6
32.5°	109.6	104.8	110.8	99.5	90.9
35°	73.3	74.9	70.2	69.7	58.8
37.5°	45.8	52.7	46.5	49.6	37.9
40°	29.6	38.2	32.9	36.3	27.9
42.5°	24.3	29.4	27.0	28.7	24.8
45°	19.3	23.9	23.9	23.9	19.4
47.5°	10.7	16.0	20.5	16.3	11.4
50°	6.0	8.1	15.8	8.4	6.4
52.5°	4.1	4.6	10.8	4.8	4.3
55°	3.1	3.3	5.9	3.4	3.3
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.1	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
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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(END OF REPORT)