

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: P787711

Luminaire Tested: LER6D05D010-EC6DR300210IC9030-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787711  
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-EC6DR300210IC9030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 906.8 lumens  
Efficiency: N/A  
Efficacy: 120.9 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

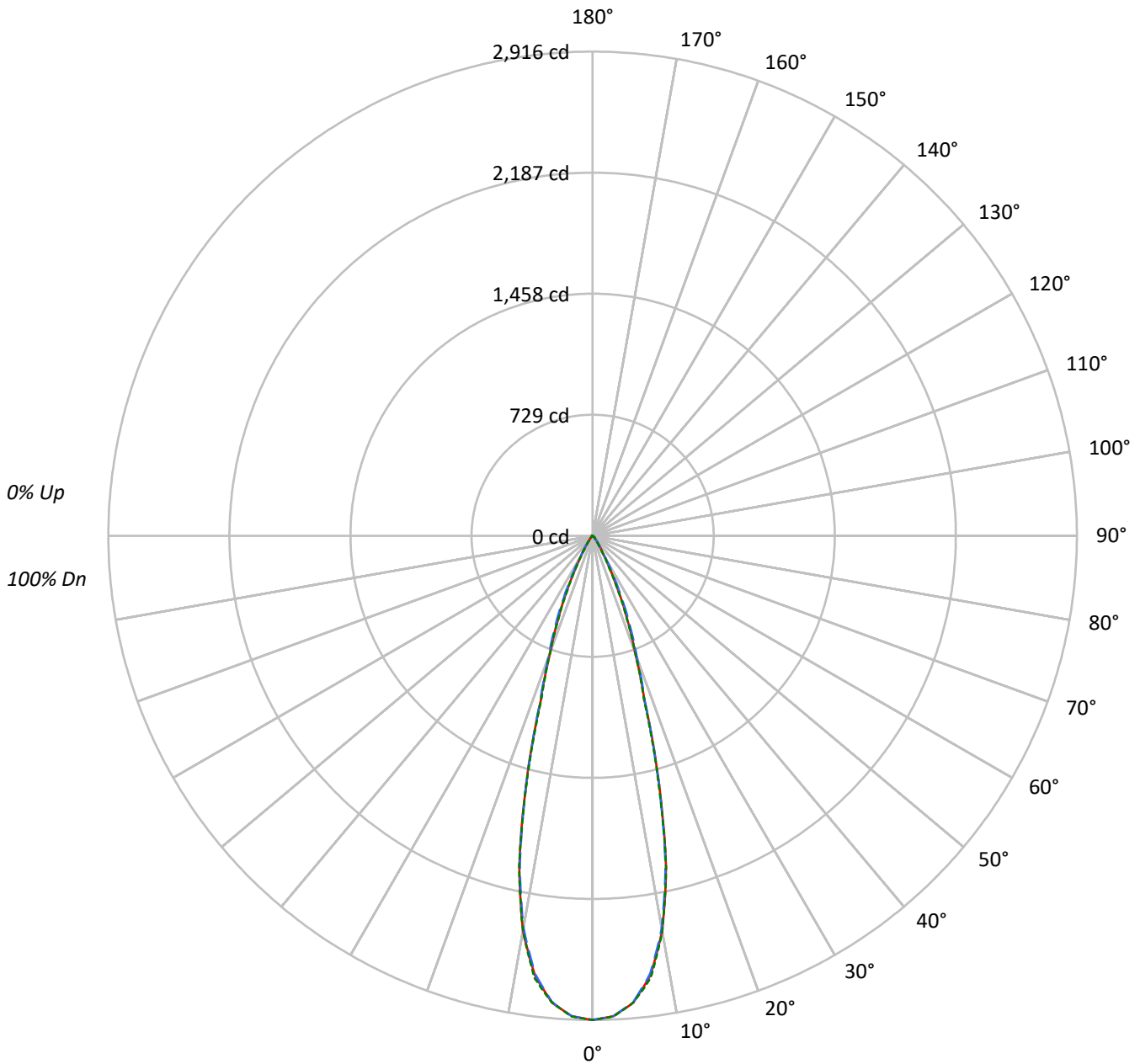


Downlight

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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°	223178	223178	223178
5°	216769	216516	216784
10°	187758	186429	187712
15°	122503	121845	121235
20°	60913	63202	60831
25°	30683	34602	30058
30°	12285	13390	10703
35°	5700	5457	4579
40°	2458	2728	2318
45°	1732	2154	1754
50°	595	1572	631
55°	347	654	360
60°	245	291	245
65°	163	163	163
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2154 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.4	28.3
10°-20°	412.9	45.5
20°-30°	178.4	19.7
30°-40°	40.7	4.5
40°-50°	14.0	1.5
50°-60°	3.4	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°	847.8	93.5
0°-40°	888.4	98.0
0°-60°	905.8	99.9
0°-90°	906.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2916	2916	2916	2916	2916	
5°	2821	2818	2818	2824	2821	257
15°	1546	1527	1538	1533	1530	414
25°	363	377	410	368	356	174
35°	61	62	58	58	49	41
45°	16	20	20	20	16	11
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2915.7	2915.7	2915.7	2915.7	2915.7
2.5°	2896.4	2894.4	2895.5	2897.0	2897.5
5°	2821.2	2818.5	2817.9	2823.8	2821.4
7.5°	2669.6	2665.8	2659.9	2673.2	2685.7
10°	2415.7	2411.4	2398.6	2404.9	2415.1
12.5°	2040.8	2026.9	2026.6	2046.6	2043.9
15°	1545.9	1527.3	1537.6	1532.6	1529.9
17.5°	1039.6	1032.4	1046.2	1042.0	1024.1
20°	747.8	749.7	775.9	762.7	746.8
22.5°	545.7	552.4	583.5	549.6	537.1
25°	363.3	377.1	409.7	367.5	355.9
27.5°	223.5	229.8	262.8	220.6	214.3
30°	139.0	135.9	151.5	130.0	121.1
32.5°	91.2	87.2	92.2	82.7	75.6
35°	61.0	62.3	58.4	58.0	49.0
37.5°	38.1	43.8	38.7	41.2	31.5
40°	24.6	31.8	27.3	30.2	23.2
42.5°	20.2	24.5	22.5	23.9	20.6
45°	16.0	19.9	19.9	19.9	16.2
47.5°	8.9	13.3	17.0	13.6	9.4
50°	5.0	6.7	13.2	7.0	5.3
52.5°	3.4	3.9	9.0	4.0	3.6
55°	2.6	2.7	4.9	2.9	2.7
57.5°	2.0	2.1	2.6	2.1	2.0
60°	1.6	1.6	1.9	1.7	1.6
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.4	0.6	0.6	0.6	0.6
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)