

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: P791328

Luminaire Tested: LER6D30D010-EC6DR3020359024-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791328  
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: LER6D30D010-EC6DR3020359024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4739.0 lumens  
Efficiency: N/A  
Efficacy: 163.4 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

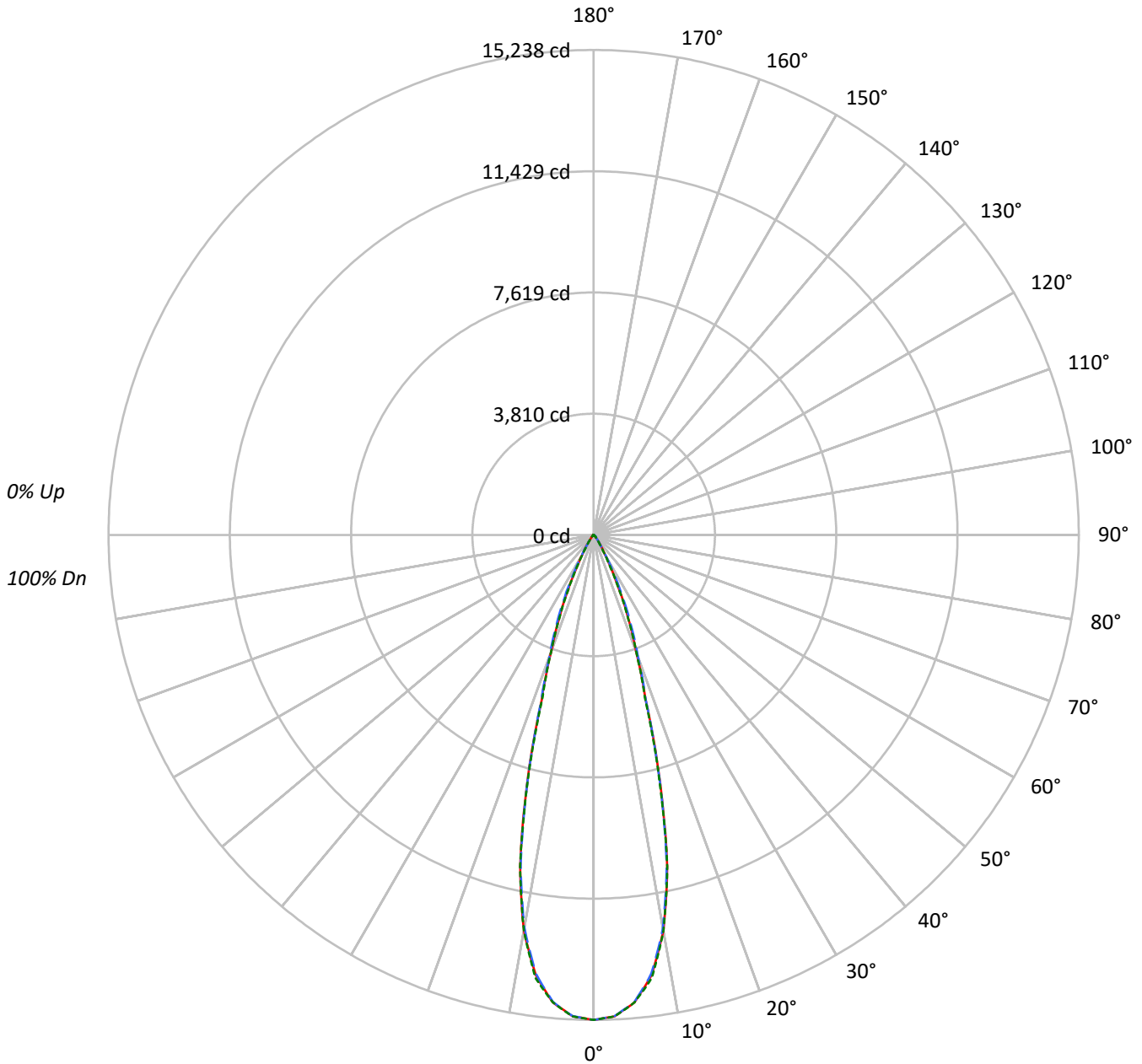
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1166384	1166384	1166384
5°	1132897	1131576	1132959
10°	981260	974343	981027
15°	640225	636785	633584
20°	318354	330295	317930
25°	160366	180838	157080
30°	64203	69956	55939
35°	29780	28519	23912
40°	12860	14279	12110
45°	9071	11258	9147
50°	3120	8193	3299
55°	1802	3390	1895
60°	1255	1485	1255
65°	815	815	815
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 11258 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1340.0	28.3
10°-20°	2158.0	45.5
20°-30°	932.5	19.7
30°-40°	212.5	4.5
40°-50°	73.0	1.5
50°-60°	17.8	0.4
60°-70°	4.6	0.1
70°-80°	0.5	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°	4430.5	93.5
0°-40°	4643.1	98.0
0°-60°	4733.9	99.9
0°-90°	4739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4739.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15238	15238	15238	15238	15238	
5°	14744	14730	14727	14758	14745	1341
15°	8079	7982	8036	8010	7995	2163
25°	1899	1971	2141	1920	1860	909
35°	319	325	305	303	256	216
45°	84	104	104	104	84	59
55°	14	14	25	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
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°	15238.2	15238.2	15238.2	15238.2	15238.2
2.5°	15137.2	15126.7	15132.7	15140.2	15143.2
5°	14744.4	14730.2	14727.2	14757.9	14745.2
7.5°	13952.1	13931.9	13901.2	13970.8	14035.9
10°	12624.9	12602.5	12535.9	12568.8	12621.9
12.5°	10665.5	10593.0	10591.5	10696.2	10682.0
15°	8079.2	7981.9	8035.8	8009.6	7995.4
17.5°	5433.0	5395.6	5467.4	5445.7	5352.2
20°	3908.3	3918.0	4054.9	3986.1	3903.1
22.5°	2851.9	2887.1	3049.4	2872.1	2807.0
25°	1898.8	1970.6	2141.2	1920.5	1859.9
27.5°	1167.9	1200.8	1373.6	1152.9	1120.0
30°	726.4	710.0	791.5	679.3	632.9
32.5°	476.6	455.6	481.8	432.4	395.0
35°	318.7	325.4	305.2	303.0	255.9
37.5°	199.0	228.9	202.0	215.5	164.6
40°	128.7	166.1	142.9	157.9	121.2
42.5°	105.5	127.9	117.5	124.9	107.7
45°	83.8	104.0	104.0	104.0	84.5
47.5°	46.4	69.6	89.0	71.1	49.4
50°	26.2	35.2	68.8	36.7	27.7
52.5°	18.0	20.2	47.1	20.9	18.7
55°	13.5	14.2	25.4	15.0	14.2
57.5°	10.5	11.2	13.5	11.2	10.5
60°	8.2	8.2	9.7	9.0	8.2
62.5°	6.0	6.0	6.7	6.0	6.0
65°	4.5	4.5	4.5	4.5	4.5
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)