

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: P791352

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791352  
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-EC6DR3020359035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5734.3 lumens  
Efficiency: N/A  
Efficacy: 197.7 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

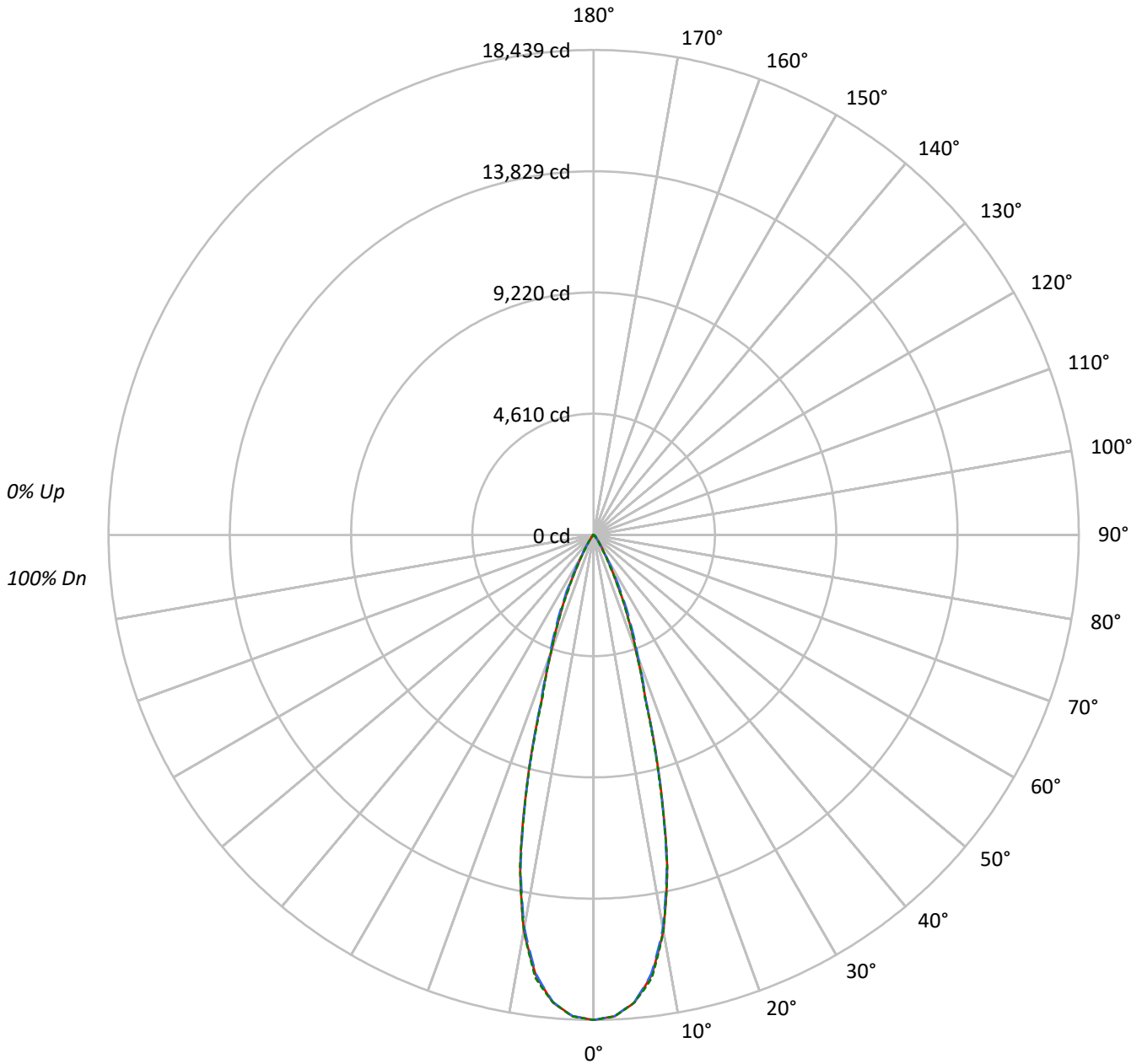
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1411368	1411368	1411368
5°	1370850	1369252	1370919
10°	1187362	1178991	1187082
15°	774693	770533	766658
20°	385221	399671	384708
25°	194047	218818	190069
30°	77690	84655	67694
35°	36031	34518	28930
40°	15558	17276	14658
45°	10976	13618	11074
50°	3775	9919	3989
55°	2175	4110	2295
60°	1531	1806	1531
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13618 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1621.4	28.3
10°-20°	2611.3	45.5
20°-30°	1128.4	19.7
30°-40°	257.2	4.5
40°-50°	88.3	1.5
50°-60°	21.6	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5361.1	93.5
0°-40°	5618.3	98.0
0°-60°	5728.2	99.9
0°-90°	5734.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5734.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18439	18439	18439	18439	18439	
5°	17841	17824	17820	17858	17842	1623
15°	9776	9658	9724	9692	9675	2618
25°	2298	2384	2591	2324	2250	1100
35°	386	394	369	367	310	262
45°	101	126	126	126	102	72
55°	16	17	31	18	17	16
65°	5	5	5	5	5	5
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°	18438.8	18438.8	18438.8	18438.8	18438.8
2.5°	18316.6	18303.9	18311.1	18320.2	18323.8
5°	17841.3	17824.1	17820.5	17857.6	17842.2
7.5°	16882.6	16858.1	16821.0	16905.2	16984.0
10°	15276.6	15249.5	15168.9	15208.7	15273.0
12.5°	12905.7	12817.9	12816.1	12942.8	12925.6
15°	9776.1	9658.4	9723.6	9691.9	9674.7
17.5°	6574.2	6528.9	6615.8	6589.5	6476.4
20°	4729.2	4741.0	4906.6	4823.3	4722.9
22.5°	3450.9	3493.5	3689.9	3475.4	3396.6
25°	2297.6	2384.5	2590.9	2323.9	2250.5
27.5°	1413.1	1453.0	1662.1	1395.0	1355.2
30°	879.0	859.1	957.8	822.0	765.9
32.5°	576.7	551.3	583.0	523.3	478.0
35°	385.6	393.8	369.4	366.6	309.6
37.5°	240.8	277.0	244.4	260.7	199.2
40°	155.7	201.0	172.9	191.0	146.7
42.5°	127.6	154.8	142.1	151.2	130.4
45°	101.4	125.8	125.8	125.8	102.3
47.5°	56.1	84.2	107.7	86.0	59.7
50°	31.7	42.5	83.3	44.4	33.5
52.5°	21.7	24.4	57.0	25.3	22.6
55°	16.3	17.2	30.8	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	10.0	10.0	11.8	10.9	10.0
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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