

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: P791355

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791355  
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-EC6DR3020359035-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5659.4 lumens  
Efficiency: N/A  
Efficacy: 195.2 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

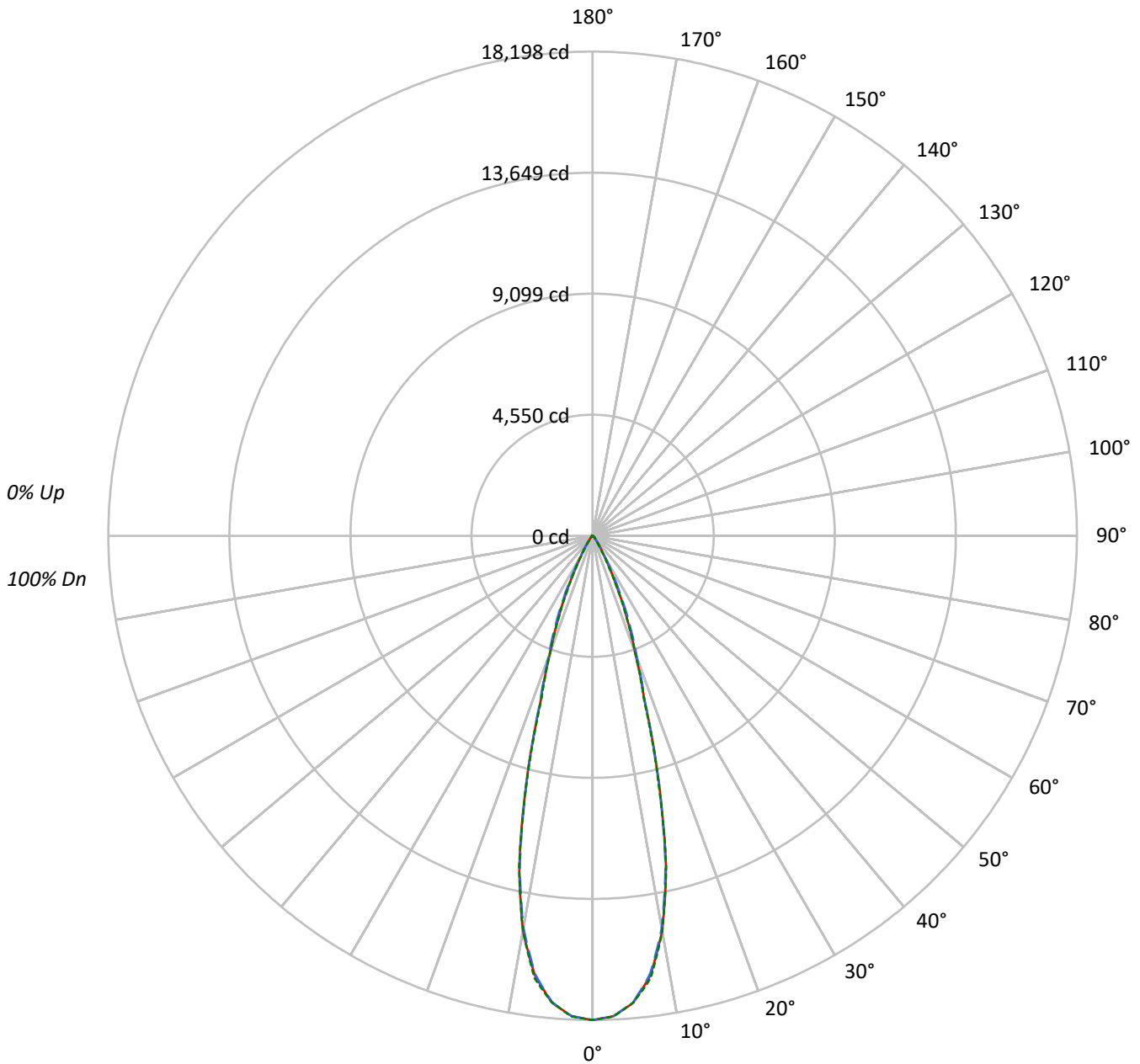
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1392914	1392914	1392914
5°	1352924	1351349	1352994
10°	1171840	1163578	1171560
15°	764566	760461	756633
20°	380187	394450	379674
25°	191513	215955	187586
30°	76674	83550	66810
35°	35564	34060	28556
40°	15358	17046	14458
45°	10836	13444	10933
50°	3727	9788	3942
55°	2149	4057	2269
60°	1500	1776	1500
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: 13444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1600.2	28.3
10°-20°	2577.2	45.5
20°-30°	1113.7	19.7
30°-40°	253.8	4.5
40°-50°	87.2	1.5
50°-60°	21.3	0.4
60°-70°	5.5	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°	5291.0	93.5
0°-40°	5544.8	98.0
0°-60°	5653.3	99.9
0°-90°	5659.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5659.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18198	18198	18198	18198	18198	
5°	17608	17591	17588	17624	17609	1602
15°	9648	9532	9596	9565	9548	2583
25°	2268	2353	2557	2294	2221	1085
35°	381	389	364	362	306	258
45°	100	124	124	124	101	71
55°	16	17	30	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°	18197.7	18197.7	18197.7	18197.7	18197.7
2.5°	18077.1	18064.6	18071.7	18080.6	18084.2
5°	17608.0	17591.0	17587.5	17624.1	17608.9
7.5°	16661.8	16637.7	16601.1	16684.2	16761.9
10°	15076.9	15050.1	14970.6	15009.9	15073.3
12.5°	12736.9	12650.3	12648.5	12773.6	12756.6
15°	9648.3	9532.2	9596.5	9565.2	9548.2
17.5°	6488.2	6443.5	6529.3	6503.4	6391.7
20°	4667.4	4679.0	4842.5	4760.3	4661.1
22.5°	3405.8	3447.8	3641.7	3429.9	3352.2
25°	2267.6	2353.3	2557.0	2293.5	2221.1
27.5°	1394.7	1434.0	1640.4	1376.8	1337.5
30°	867.5	847.9	945.3	811.2	755.9
32.5°	569.1	544.1	575.4	516.4	471.7
35°	380.6	388.6	364.5	361.8	305.6
37.5°	237.7	273.4	241.2	257.3	196.6
40°	153.7	198.3	170.6	188.5	144.7
42.5°	126.0	152.8	140.3	149.2	128.7
45°	100.1	124.2	124.2	124.2	101.0
47.5°	55.4	83.1	106.3	84.9	59.0
50°	31.3	42.0	82.2	43.8	33.1
52.5°	21.4	24.1	56.3	25.0	22.3
55°	16.1	17.0	30.4	17.9	17.0
57.5°	12.5	13.4	16.1	13.4	12.5
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
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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(END OF REPORT)