

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: P791185

Luminaire Tested: LER6D30D010-EC6DR1515309024-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR1515309024-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2948.5 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

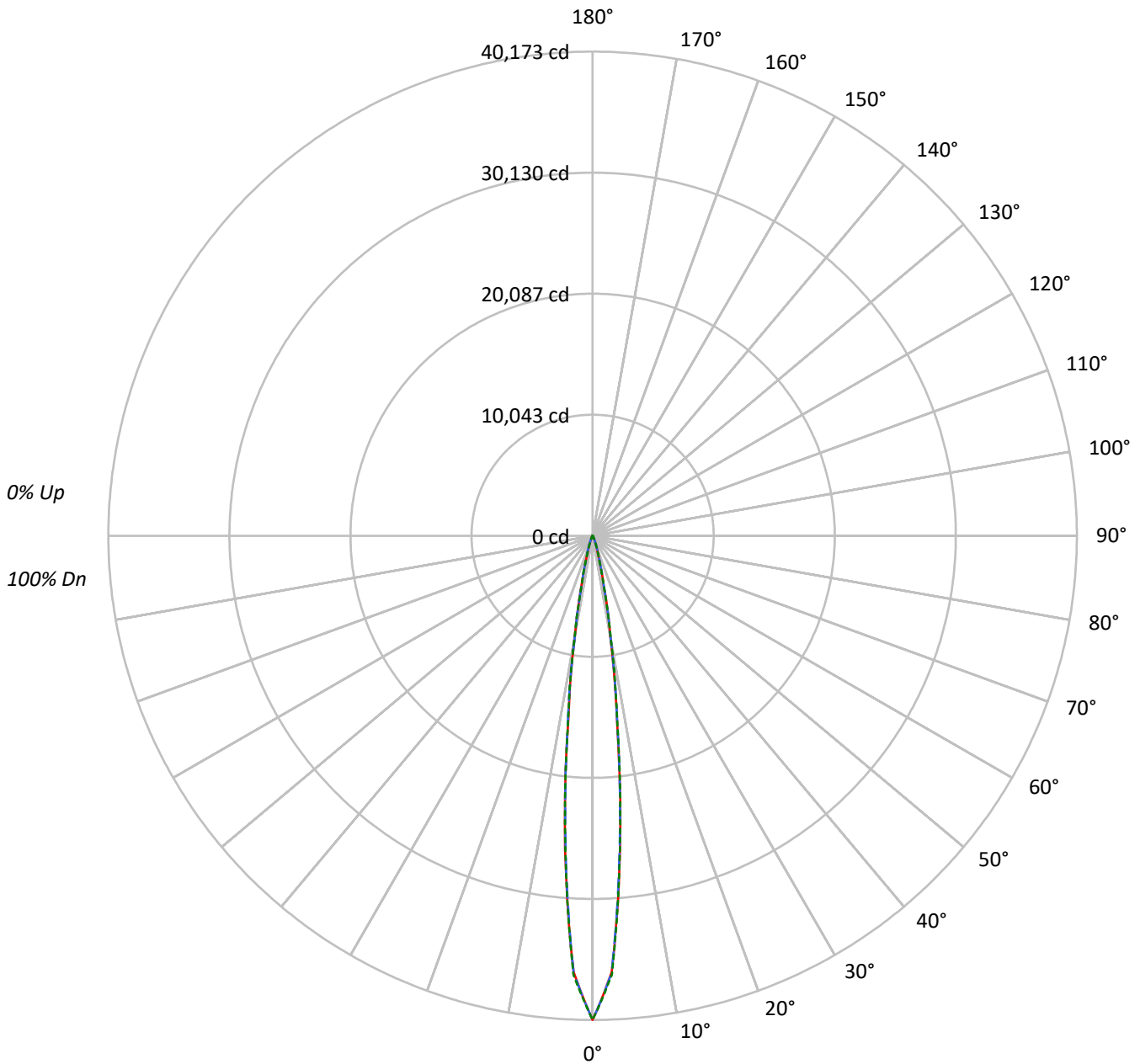
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4520298	4520298	4520298
5°	2656336	2621944	2642687
10°	792797	798349	810563
15°	197200	201039	194837
20°	59002	68322	60254
25°	20799	26494	21064
30°	7638	10064	7765
35°	3827	4321	3704
40°	2414	2656	2414
45°	1785	1904	1785
50°	1419	1419	1419
55°	1183	1183	1183
60°	955	955	955
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1904 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1912.3	64.9
10°-20°	786.6	26.7
20°-30°	156.2	5.3
30°-40°	39.0	1.3
40°-50°	20.5	0.7
50°-60°	15.2	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	0.1
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°	2855.2	96.8
0°-40°	2894.1	98.2
0°-60°	2929.8	99.4
0°-90°	2948.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40173	40173	40173	40173	40173	
5°	26138	25869	25799	25978	26003	1909
15°	2270	2313	2315	2274	2243	778
25°	267	303	340	301	270	140
35°	53	56	60	56	51	36
45°	26	26	27	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	40173.3	40173.3	40173.3	40173.3	40173.3
2.5°	36237.9	36268.5	36280.4	36316.1	36448.8
5°	26137.6	25868.9	25799.2	25977.8	26003.3
7.5°	15482.9	15537.3	15736.3	15780.5	15620.7
10°	8496.6	8566.3	8556.1	8617.3	8687.0
12.5°	4345.2	4290.8	4273.8	4343.5	4246.6
15°	2270.4	2312.9	2314.6	2273.8	2243.2
17.5°	1221.1	1270.4	1352.0	1285.7	1183.7
20°	721.1	765.3	835.0	780.6	736.4
22.5°	445.6	481.3	530.6	488.1	452.4
25°	267.0	302.7	340.1	301.0	270.4
27.5°	158.2	188.8	212.6	187.1	156.5
30°	102.0	119.0	134.4	117.3	103.7
32.5°	71.4	78.2	85.0	78.2	71.4
35°	52.7	56.1	59.5	56.1	51.0
37.5°	40.8	44.2	45.9	42.5	39.1
40°	34.0	35.7	37.4	35.7	34.0
42.5°	28.9	30.6	30.6	30.6	28.9
45°	25.5	25.5	27.2	25.5	25.5
47.5°	22.1	22.1	23.8	22.1	22.1
50°	20.4	20.4	20.4	20.4	20.4
52.5°	18.7	18.7	18.7	18.7	18.7
55°	17.0	17.0	17.0	17.0	17.0
57.5°	15.3	15.3	15.3	15.3	15.3
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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)