

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: P791512

Luminaire Tested: LER6D30D010-EC6DR4520359050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR4520359050-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.7 lumens
Efficiency: N/A
Efficacy: 210.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

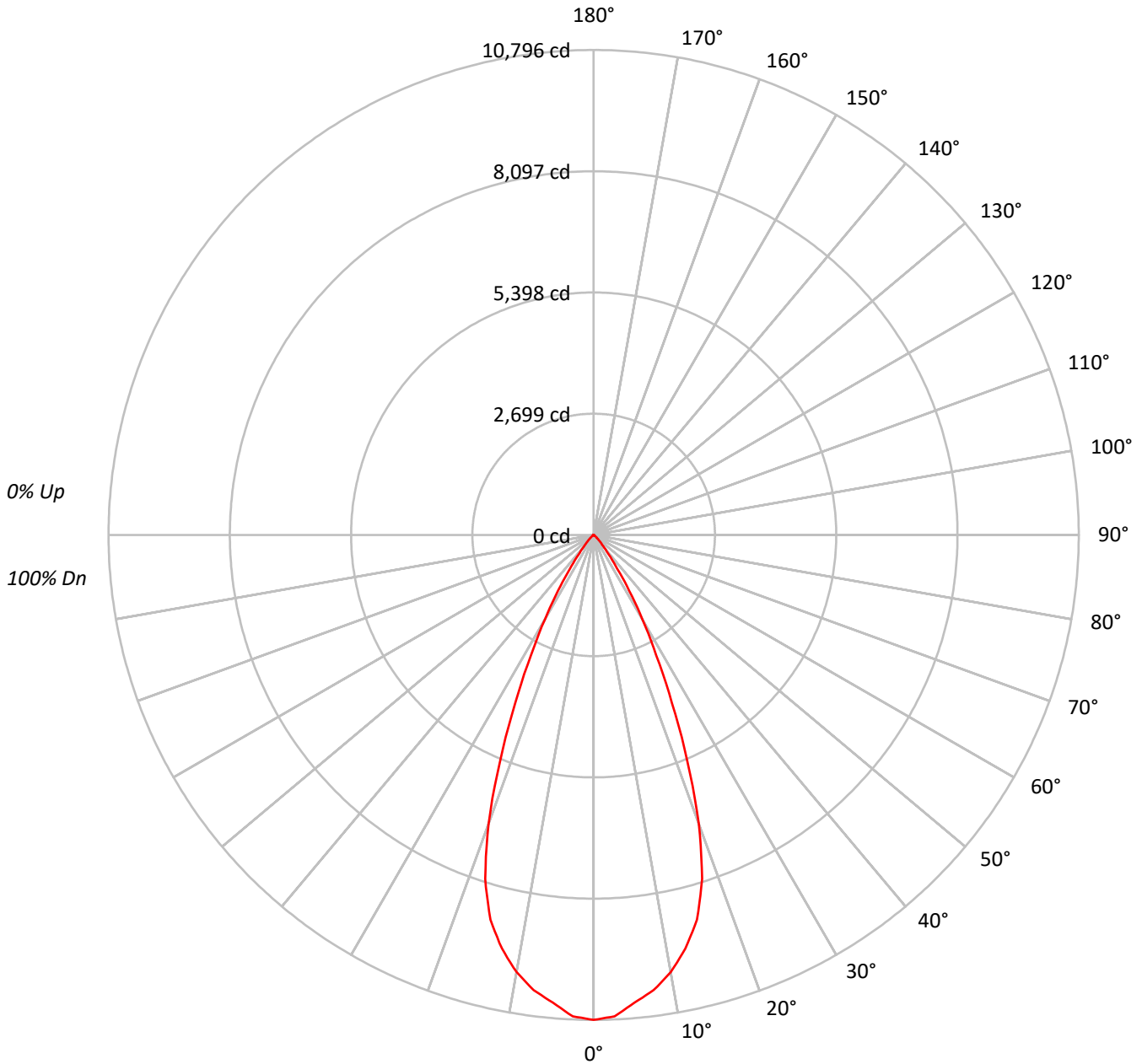
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1179535
5°	1145950
10°	1096360
15°	1003398
20°	796051
25°	496980
30°	273926
35°	122992
40°	48437
45°	22822
50°	10828
55°	5658
60°	2775
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	981.7	16.1
10°-20°	2416.1	39.6
20°-30°	1913.3	31.3
30°-40°	637.1	10.4
40°-50°	126.4	2.1
50°-60°	28.7	0.5
60°-70°	4.1	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°	5311.2	87.0
0°-40°	5948.3	97.4
0°-60°	6103.5	99.9
0°-90°	6107.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10796	
5°	10448	982
15°	8871	2416
25°	4122	1913
35°	922	637
45°	148	126
55°	30	29
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10795.6
2.5°	10725.1
5°	10448.3
7.5°	10219.9
10°	9881.9
12.5°	9431.9
15°	8870.6
17.5°	8026.6
20°	6846.4
22.5°	5440.2
25°	4122.4
27.5°	3018.6
30°	2171.2
32.5°	1476.6
35°	922.1
37.5°	546.8
40°	339.6
42.5°	223.3
45°	147.7
47.5°	95.1
50°	63.7
52.5°	42.5
55°	29.7
57.5°	19.5
60°	12.7
62.5°	6.8
65°	2.5
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)