

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: P791728

Luminaire Tested: LER6D30D010-EC6DR7020359030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR7020359030-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5614.8 lumens
Efficiency: N/A
Efficacy: 193.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

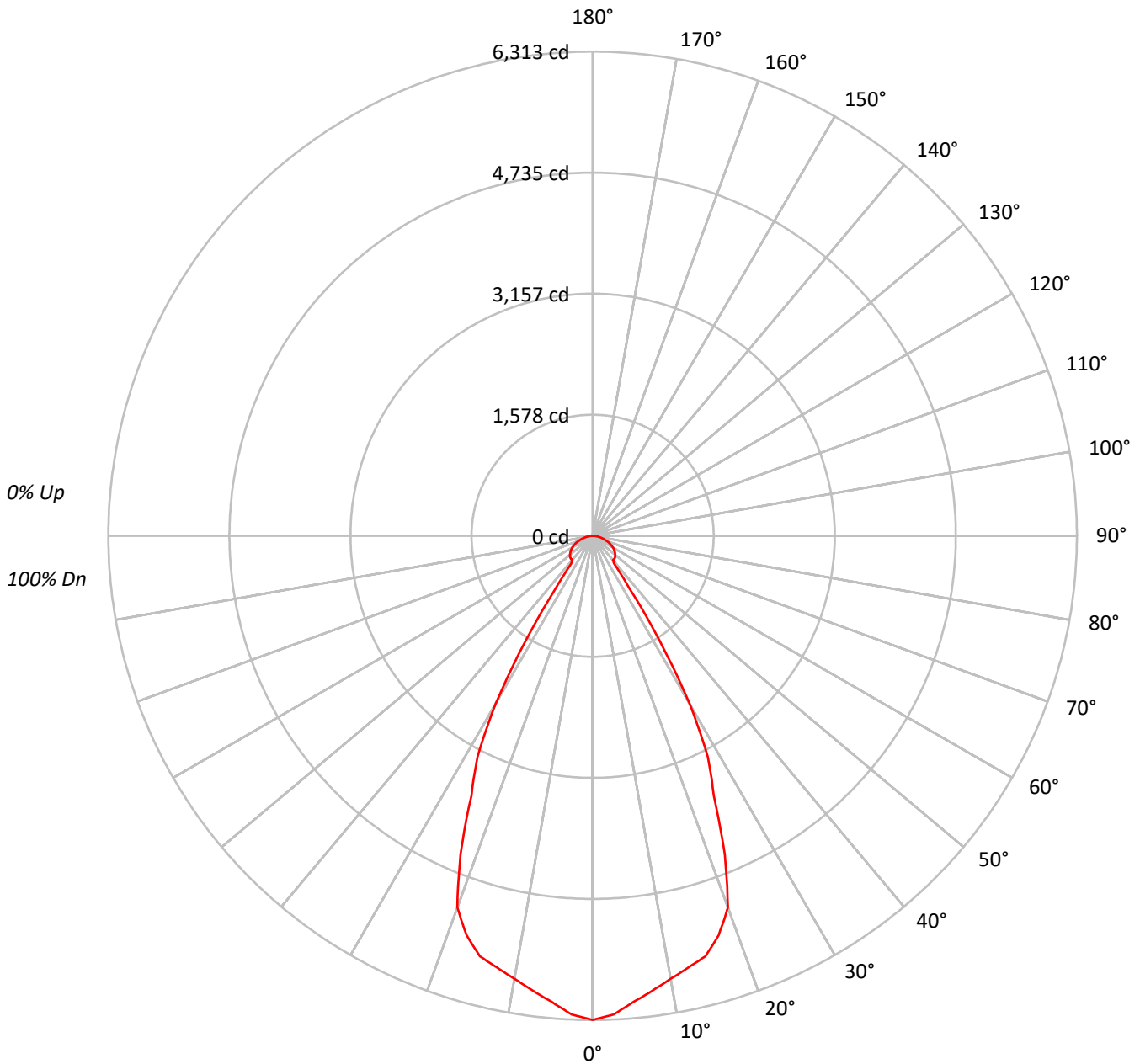
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	689730
5°	669234
10°	650578
15°	642041
20°	599538
25°	450397
30°	318399
35°	112788
40°	59305
45°	63167
50°	65408
55°	66634
60°	67042
65°	65642
70°	61943
75°	57370
80°	50966
85°	41370

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 67065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.5	10.3
10°-20°	1578.7	28.1
20°-30°	1738.7	31.0
30°-40°	664.3	11.8
40°-50°	313.7	5.6
50°-60°	311.8	5.6
60°-70°	249.7	4.4
70°-80°	143.5	2.6
80°-90°	39.0	0.7
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°	3892.8	69.3
0°-40°	4557.2	81.2
0°-60°	5182.7	92.3
0°-90°	5614.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5614.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6313	
5°	6102	576
15°	5676	1579
25°	3736	1739
35°	846	664
45°	409	314
55°	350	312
65°	254	250
75°	136	143
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6312.7
2.5°	6246.7
5°	6101.8
7.5°	5980.9
10°	5863.9
12.5°	5765.0
15°	5676.0
17.5°	5461.1
20°	5156.3
22.5°	4498.6
25°	3736.0
27.5°	3252.3
30°	2523.7
32.5°	1630.1
35°	845.6
37.5°	456.8
40°	415.8
42.5°	412.8
45°	408.8
47.5°	399.8
50°	384.8
52.5°	367.8
55°	349.8
57.5°	329.8
60°	306.8
62.5°	280.9
65°	253.9
67.5°	223.9
70°	193.9
72.5°	163.9
75°	135.9
77.5°	106.9
80°	81.0
82.5°	57.0
85°	33.0
87.5°	13.0
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)