

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



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: P791736

Luminaire Tested: LER6D30D010-EC6DR7020359035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791736
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-EC6DR7020359035-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5927.4 lumens
Efficiency: N/A
Efficacy: 204.4 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

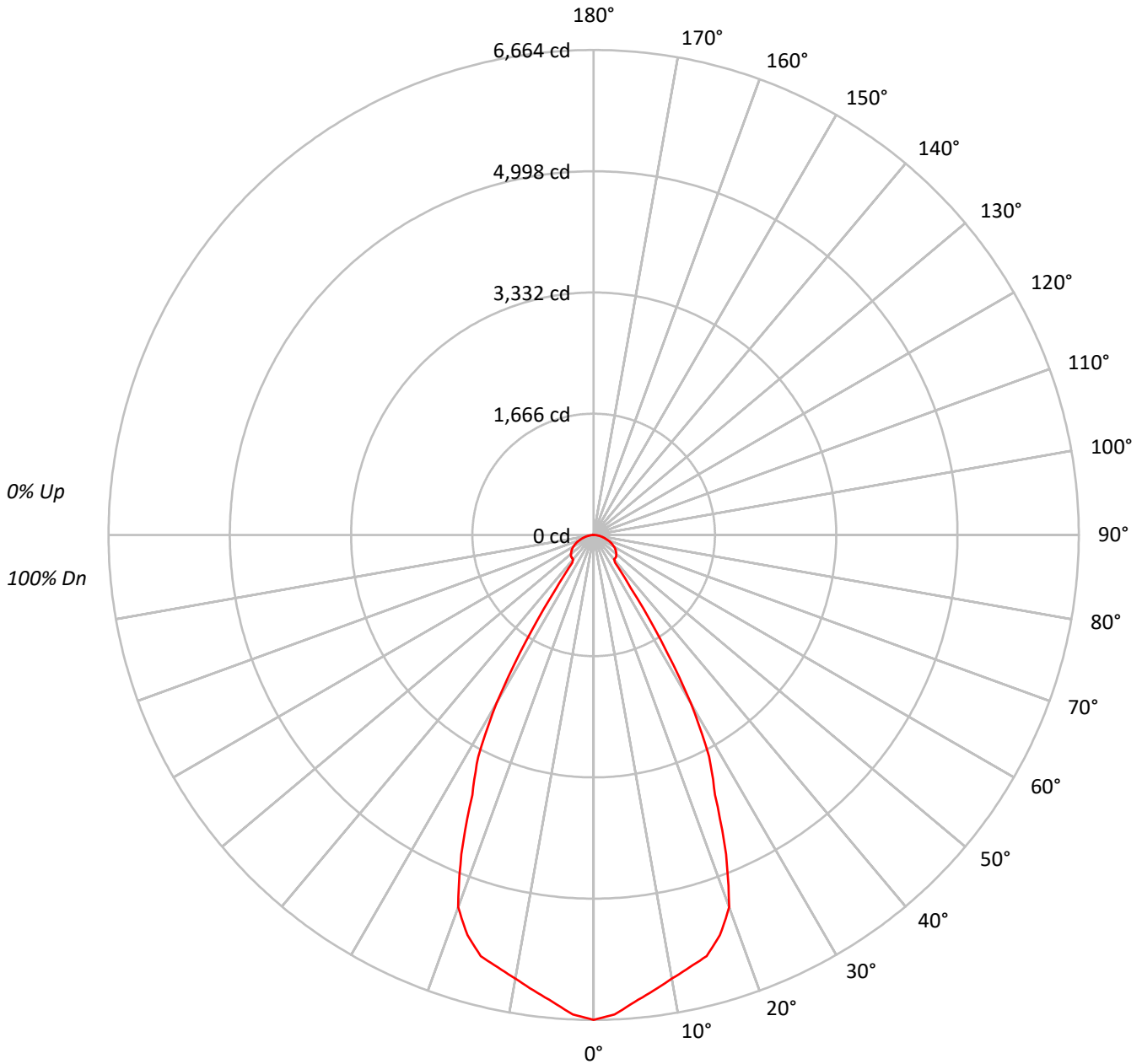
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	728136
5°	706492
10°	686802
15°	677785
20°	632920
25°	475472
30°	336125
35°	119057
40°	62600
45°	66675
50°	69046
55°	70348
60°	70779
65°	69287
70°	65393
75°	60579
80°	53797
85°	43626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 70807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.6	10.3
10°-20°	1666.5	28.1
20°-30°	1835.5	31.0
30°-40°	701.3	11.8
40°-50°	331.1	5.6
50°-60°	329.2	5.6
60°-70°	263.6	4.4
70°-80°	151.5	2.6
80°-90°	41.2	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°	4109.6	69.3
0°-40°	4810.9	81.2
0°-60°	5471.2	92.3
0°-90°	5927.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5927.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6664	
5°	6442	608
15°	5992	1667
25°	3944	1835
35°	893	701
45°	432	331
55°	369	329
65°	268	264
75°	144	151
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6664.2
2.5°	6594.5
5°	6441.5
7.5°	6313.9
10°	6190.4
12.5°	6085.9
15°	5992.0
17.5°	5765.2
20°	5443.4
22.5°	4749.1
25°	3944.0
27.5°	3433.4
30°	2664.2
32.5°	1720.9
35°	892.6
37.5°	482.2
40°	438.9
42.5°	435.8
45°	431.5
47.5°	422.0
50°	406.2
52.5°	388.3
55°	369.3
57.5°	348.2
60°	323.9
62.5°	296.5
65°	268.0
67.5°	236.3
70°	204.7
72.5°	173.0
75°	143.5
77.5°	112.9
80°	85.5
82.5°	60.1
85°	34.8
87.5°	13.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)