

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: P791686

Luminaire Tested: LER6D30D010-EC6DR6520359030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6520359030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4875.3 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

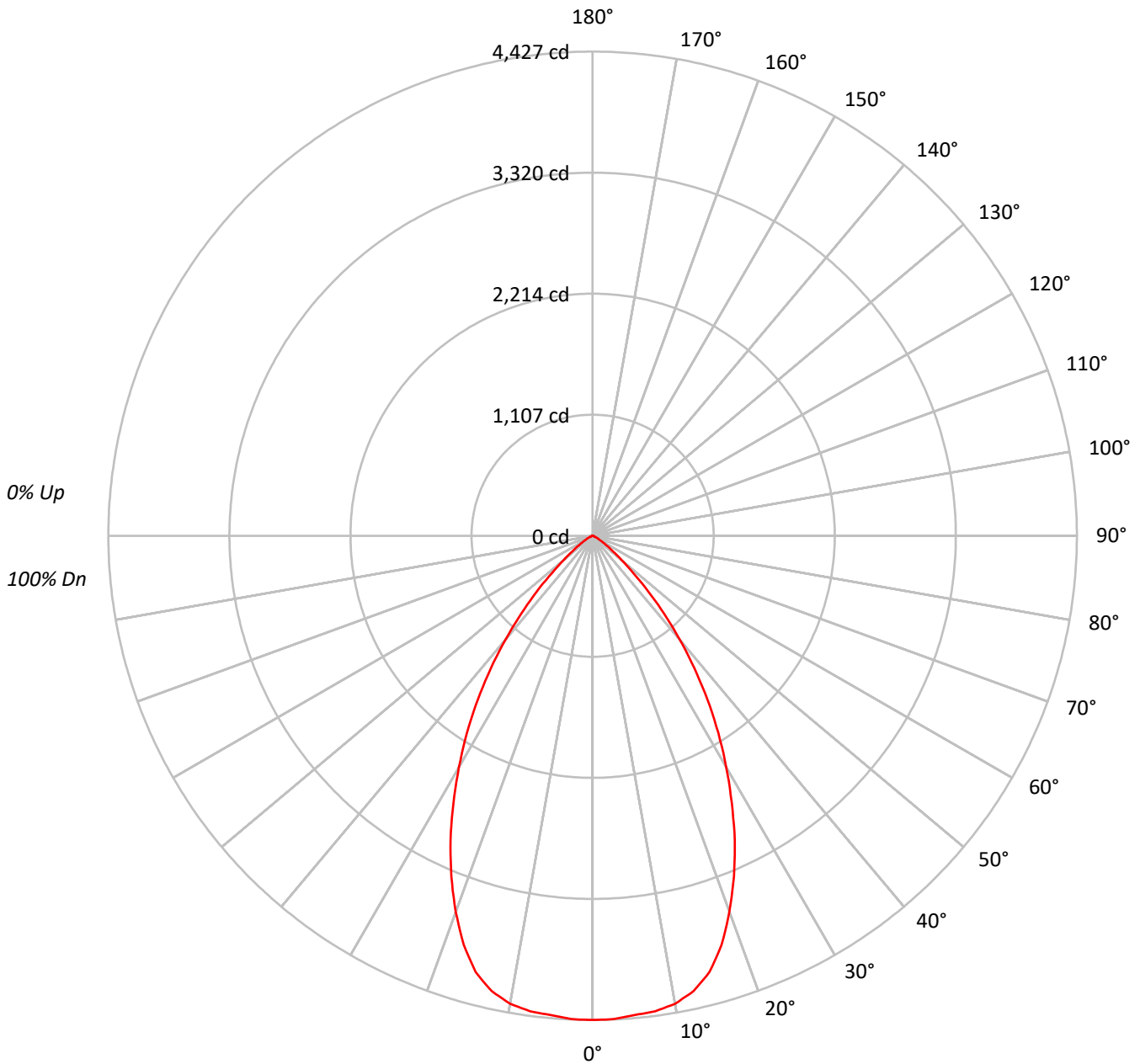


Downlight

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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	258531
5°	257877
10°	257656
15°	249717
20°	227334
25°	198106
30°	164774
35°	130554
40°	94226
45°	59527
50°	31029
55°	16495
60°	8667
65°	4768
70°	1998
75°	2211
80°	1547
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 59527 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	8.6
10°-20°	1146.3	23.5
20°-30°	1401.2	28.7
30°-40°	1136.9	23.3
40°-50°	566.5	11.6
50°-60°	158.0	3.2
60°-70°	35.9	0.7
70°-80°	9.4	0.2
80°-90°	2.4	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°	2966.1	60.8
0°-40°	4103.1	84.2
0°-60°	4827.6	99.0
0°-90°	4875.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4875.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4427	
5°	4399	419
15°	4130	1146
25°	3074	1401
35°	1831	1137
45°	721	567
55°	162	158
65°	34	36
75°	10	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4426.6
2.5°	4423.4
5°	4398.6
7.5°	4384.3
10°	4344.6
12.5°	4264.0
15°	4130.0
17.5°	3920.5
20°	3657.7
22.5°	3374.1
25°	3074.2
27.5°	2753.5
30°	2443.3
32.5°	2136.9
35°	1831.1
37.5°	1526.1
40°	1235.9
42.5°	964.0
45°	720.7
47.5°	502.2
50°	341.5
52.5°	235.5
55°	162.0
57.5°	109.3
60°	74.2
62.5°	51.4
65°	34.5
67.5°	17.6
70°	11.7
72.5°	11.1
75°	9.8
77.5°	6.5
80°	4.6
82.5°	3.3
85°	2.0
87.5°	1.3
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)