

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: P791642

Luminaire Tested: LER6D30D010-EC6DR6020359035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6020359035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5333.0 lumens
Efficiency: N/A
Efficacy: 183.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

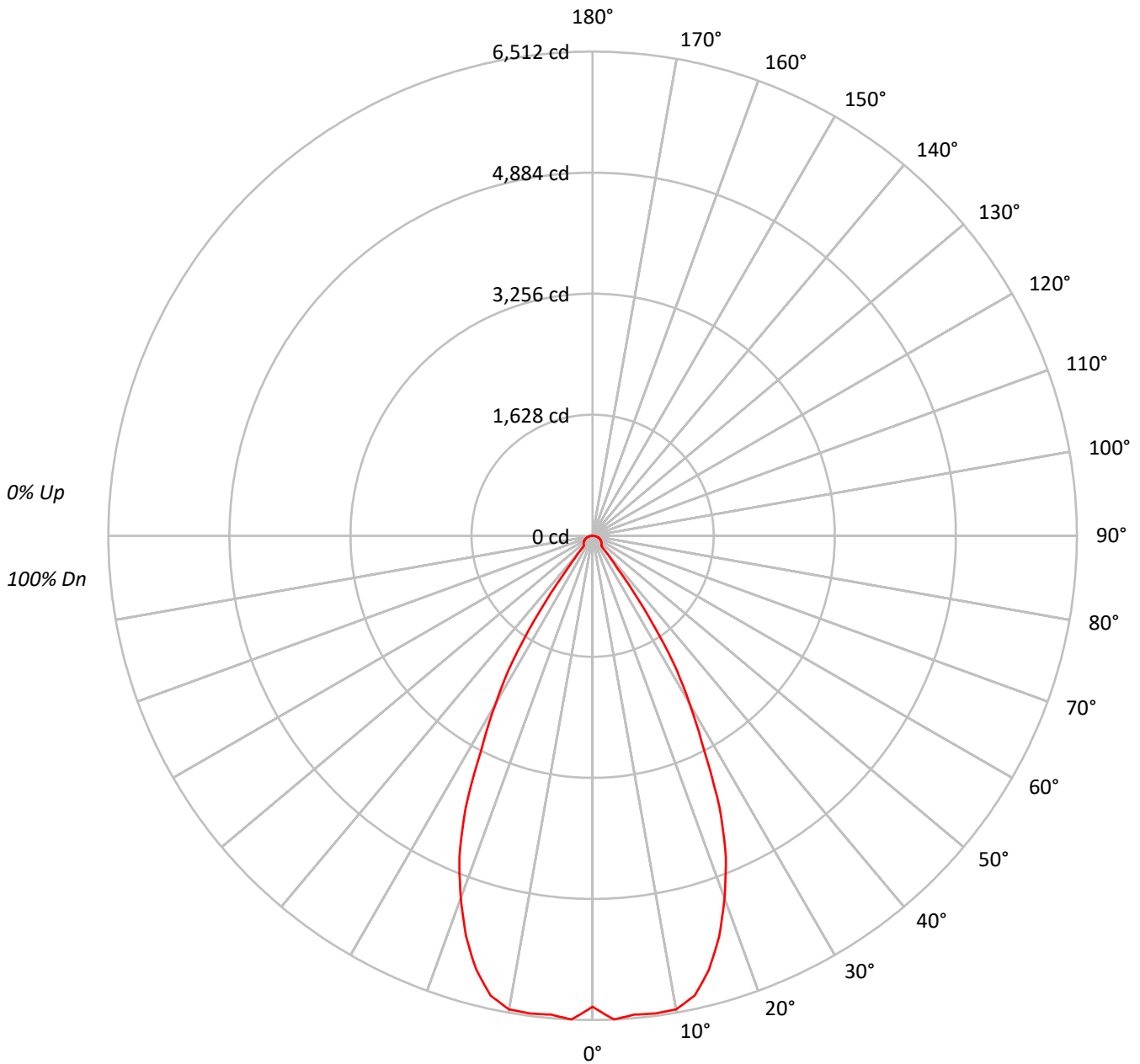
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	692014
5°	709025
10°	717589
15°	683611
20°	602735
25°	487504
30°	329753
35°	165248
40°	26800
45°	26237
50°	26755
55°	27164
60°	27927
65°	28568
70°	29230
75°	29593
80°	28503
85°	23819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29593 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.9	11.6
10°-20°	1671.7	31.3
20°-30°	1798.6	33.7
30°-40°	781.8	14.7
40°-50°	131.3	2.5
50°-60°	127.7	2.4
60°-70°	109.2	2.0
70°-80°	73.1	1.4
80°-90°	21.9	0.4
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°	4088.1	76.7
0°-40°	4869.9	91.3
0°-60°	5128.9	96.2
0°-90°	5333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5333.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6334	
5°	6465	618
15°	6044	1672
25°	4044	1799
35°	1239	782
45°	170	131
55°	143	128
65°	110	109
75°	70	73
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6333.6
2.5°	6511.6
5°	6464.6
7.5°	6479.5
10°	6467.9
12.5°	6334.4
15°	6043.5
17.5°	5652.8
20°	5183.8
22.5°	4681.8
25°	4043.8
27.5°	3234.4
30°	2613.7
32.5°	2014.5
35°	1238.9
37.5°	530.0
40°	187.9
42.5°	173.1
45°	169.8
47.5°	164.0
50°	157.4
52.5°	150.0
55°	142.6
57.5°	135.2
60°	127.8
62.5°	119.5
65°	110.5
67.5°	101.4
70°	91.5
72.5°	80.8
75°	70.1
77.5°	57.7
80°	45.3
82.5°	32.1
85°	19.0
87.5°	6.6
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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