

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: P791626

Luminaire Tested: LER6D30D010-EC6DR6020359027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791626
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-EC6DR6020359027-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4892.4 lumens
Efficiency: N/A
Efficacy: 168.7 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

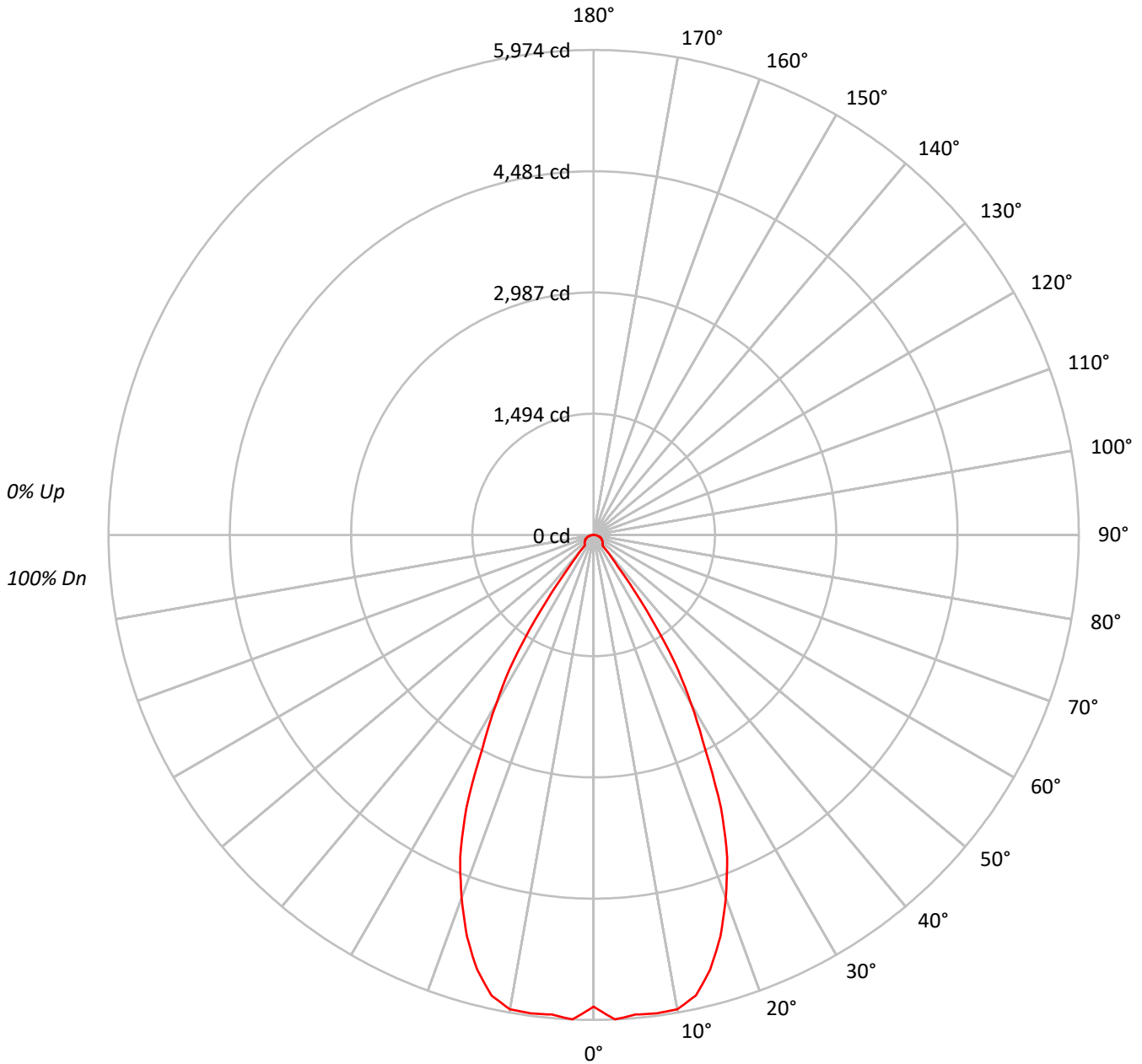
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	634849
5°	650457
10°	658311
15°	627132
20°	552936
25°	447238
30°	302515
35°	151589
40°	24589
45°	24074
50°	24545
55°	24916
60°	25611
65°	26189
70°	26802
75°	27144
80°	26175
85°	21813

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.8	11.6
10°-20°	1533.6	31.3
20°-30°	1650.0	33.7
30°-40°	717.2	14.7
40°-50°	120.5	2.5
50°-60°	117.1	2.4
60°-70°	100.2	2.0
70°-80°	67.0	1.4
80°-90°	20.0	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°	3750.4	76.7
0°-40°	4467.6	91.3
0°-60°	4705.2	96.2
0°-90°	4892.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4892.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5810	
5°	5931	567
15°	5544	1534
25°	3710	1650
35°	1136	717
45°	156	120
55°	131	117
65°	101	100
75°	64	67
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5810.4
2.5°	5973.7
5°	5930.6
7.5°	5944.2
10°	5933.6
12.5°	5811.1
15°	5544.2
17.5°	5185.8
20°	4755.5
22.5°	4295.0
25°	3709.8
27.5°	2967.2
30°	2397.8
32.5°	1848.1
35°	1136.5
37.5°	486.2
40°	172.4
42.5°	158.8
45°	155.8
47.5°	150.5
50°	144.4
52.5°	137.6
55°	130.8
57.5°	124.0
60°	117.2
62.5°	109.6
65°	101.3
67.5°	93.0
70°	83.9
72.5°	74.1
75°	64.3
77.5°	52.9
80°	41.6
82.5°	29.5
85°	17.4
87.5°	6.0
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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