

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: P791366

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR3020359040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5896.3 lumens
Efficiency: N/A
Efficacy: 203.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

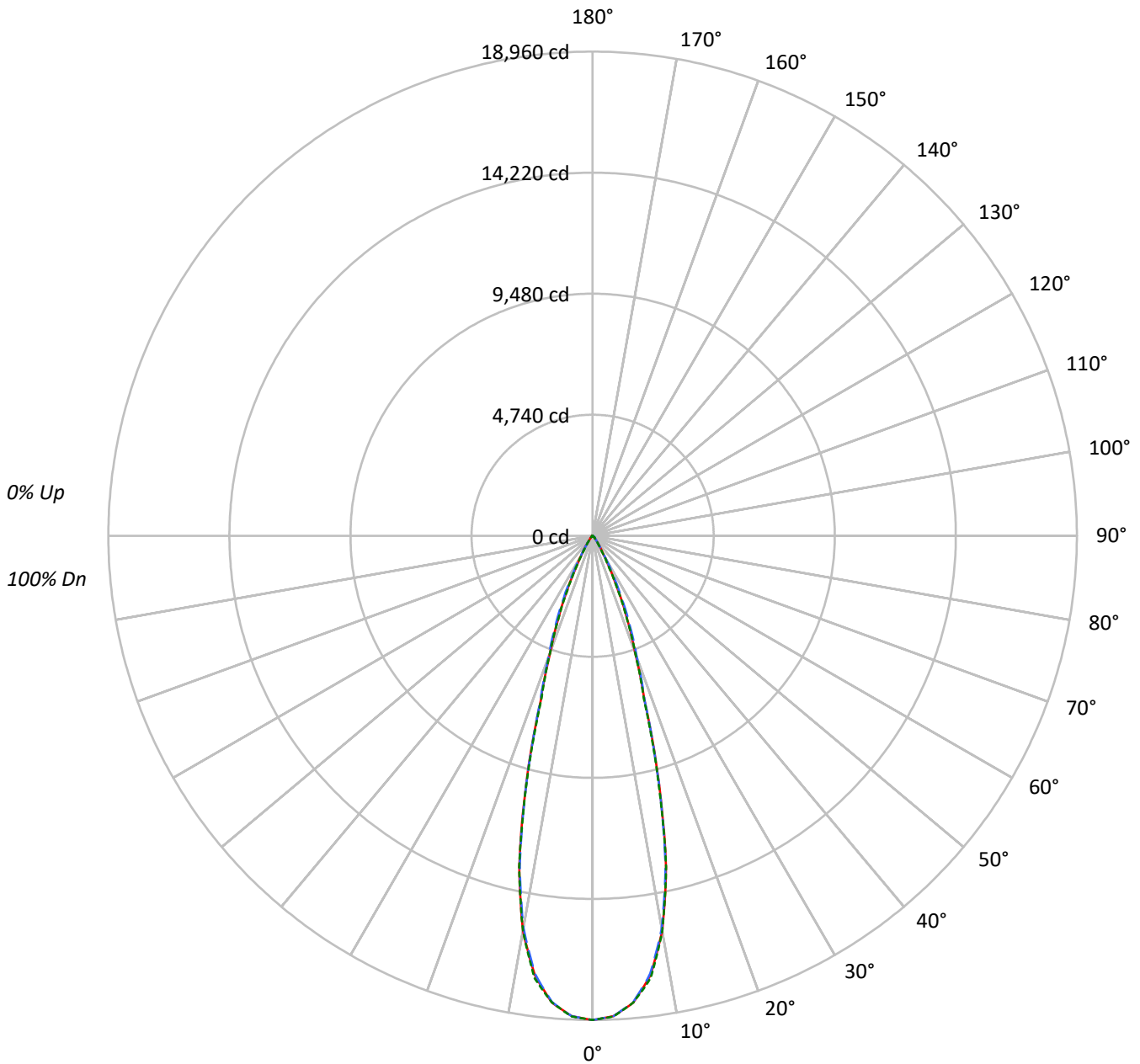


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1451232	1451232	1451232
5°	1409568	1407923	1409645
10°	1220900	1212295	1220612
15°	796580	792301	788315
20°	396103	410961	395574
25°	199528	225000	195440
30°	79891	87041	69603
35°	37050	35489	29752
40°	15997	17766	15068
45°	11290	14007	11388
50°	3882	10193	4096
55°	2242	4217	2362
60°	1561	1852	1561
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14007 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1667.2	28.3
10°-20°	2685.1	45.5
20°-30°	1160.3	19.7
30°-40°	264.4	4.5
40°-50°	90.8	1.5
50°-60°	22.2	0.4
60°-70°	5.7	0.1
70°-80°	0.6	0.0
80°-90°	0.0	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°	5512.6	93.5
0°-40°	5777.0	98.0
0°-60°	5890.0	99.9
0°-90°	5896.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5896.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18960	18960	18960	18960	18960	
5°	18345	18328	18324	18362	18346	1669
15°	10052	9931	9998	9966	9948	2692
25°	2362	2452	2664	2390	2314	1131
35°	396	405	380	377	318	269
45°	104	129	129	129	105	74
55°	17	18	32	19	18	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18959.6	18959.6	18959.6	18959.6	18959.6
2.5°	18833.9	18820.9	18828.3	18837.7	18841.4
5°	18345.2	18327.5	18323.8	18362.0	18346.2
7.5°	17359.5	17334.3	17296.2	17382.7	17463.7
10°	15708.1	15680.2	15597.4	15638.3	15704.4
12.5°	13270.2	13179.9	13178.1	13308.4	13290.7
15°	10052.3	9931.3	9998.3	9965.7	9948.0
17.5°	6759.8	6713.3	6802.7	6775.7	6659.3
20°	4862.8	4874.9	5045.2	4959.6	4856.3
22.5°	3548.4	3592.2	3794.2	3573.5	3492.6
25°	2362.5	2451.9	2664.1	2389.5	2314.1
27.5°	1453.1	1494.0	1709.0	1434.4	1393.5
30°	903.9	883.4	984.8	845.2	787.5
32.5°	593.0	566.9	599.5	538.0	491.5
35°	396.5	404.9	379.8	377.0	318.4
37.5°	247.6	284.8	251.3	268.1	204.8
40°	160.1	206.6	177.8	196.4	150.8
42.5°	131.3	159.2	146.1	155.5	134.0
45°	104.3	129.4	129.4	129.4	105.2
47.5°	57.7	86.6	110.8	88.4	61.4
50°	32.6	43.8	85.6	45.6	34.4
52.5°	22.3	25.1	58.6	26.1	23.3
55°	16.8	17.7	31.6	18.6	17.7
57.5°	13.0	14.0	16.8	14.0	13.0
60°	10.2	10.2	12.1	11.2	10.2
62.5°	7.4	7.4	8.4	7.4	7.4
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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