

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: P791230

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR1515309050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3450.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

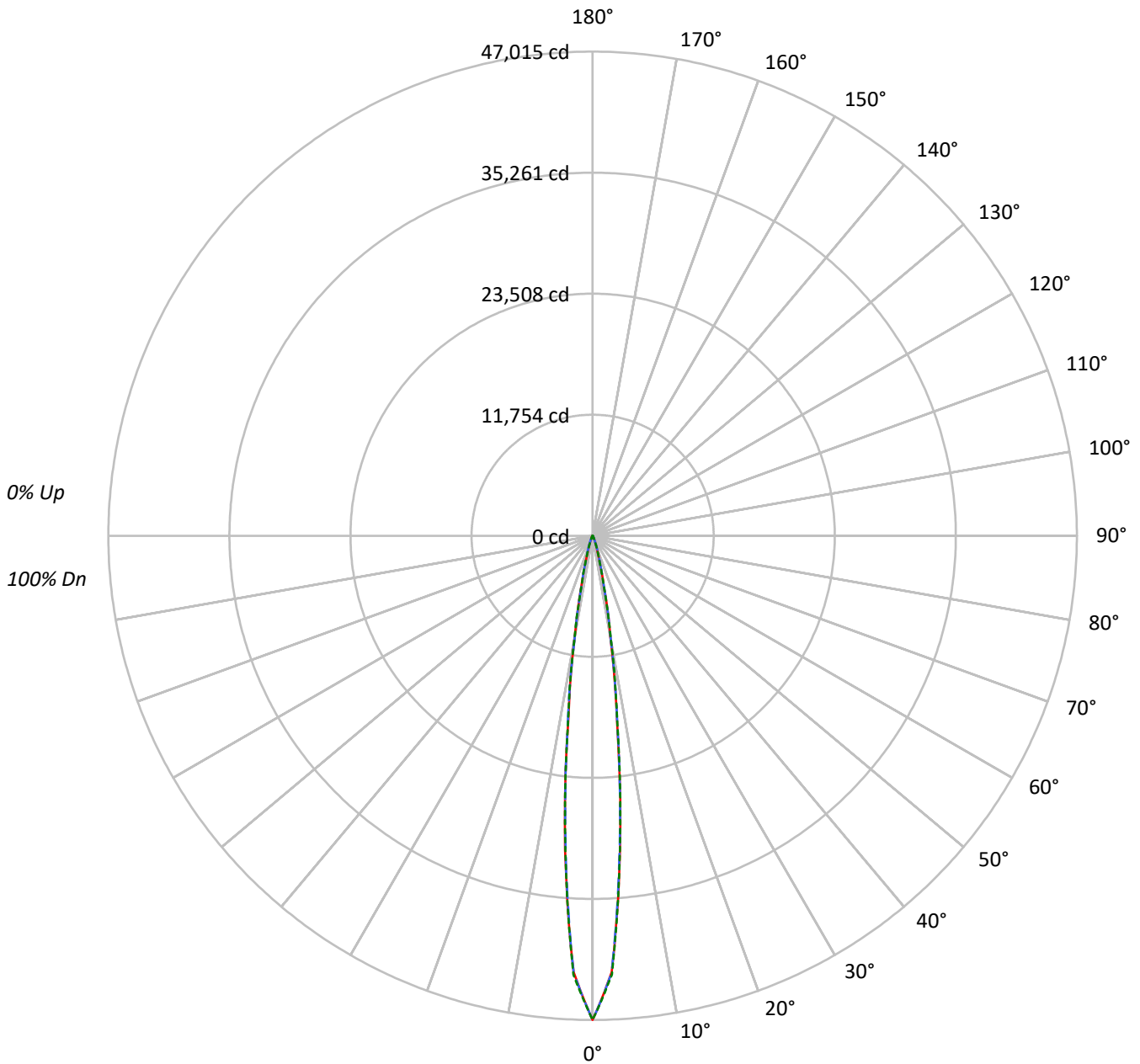


Downlight

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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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5290148	5290148	5290148
5°	3108737	3068481	3092761
10°	927813	934317	948612
15°	230787	235278	228017
20°	69050	79957	70515
25°	24344	31012	24656
30°	8941	11771	9091
35°	4481	5062	4335
40°	2826	3110	2826
45°	2093	2226	2093
50°	1662	1662	1662
55°	1385	1385	1385
60°	1116	1116	1116
65°	849	849	849
70°	731	731	731
75°	454	454	605
80°	315	315	315
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2238.0	64.9
10°-20°	920.6	26.7
20°-30°	182.8	5.3
30°-40°	45.6	1.3
40°-50°	24.0	0.7
50°-60°	17.8	0.5
60°-70°	12.5	0.4
70°-80°	7.2	0.2
80°-90°	2.2	0.1
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°	3341.4	96.8
0°-40°	3387.1	98.2
0°-60°	3428.8	99.4
0°-90°	3450.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3450.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	47015	47015	47015	47015	47015	
5°	30589	30275	30193	30402	30432	2234
15°	2657	2707	2709	2661	2625	911
25°	312	354	398	352	316	164
35°	62	66	70	66	60	42
45°	30	30	32	30	30	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	13
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	47015.2	47015.2	47015.2	47015.2	47015.2
2.5°	42409.6	42445.4	42459.3	42501.1	42656.4
5°	30589.1	30274.6	30193.0	30402.0	30431.9
7.5°	18119.8	18183.5	18416.4	18468.1	18281.0
10°	9943.6	10025.2	10013.3	10084.9	10166.5
12.5°	5085.2	5021.6	5001.7	5083.3	4969.8
15°	2657.1	2706.8	2708.8	2661.0	2625.2
17.5°	1429.0	1486.8	1582.3	1504.7	1385.3
20°	843.9	895.6	977.2	913.6	861.8
22.5°	521.5	563.3	621.0	571.2	529.4
25°	312.5	354.3	398.1	352.3	316.5
27.5°	185.1	220.9	248.8	218.9	183.1
30°	119.4	139.3	157.2	137.3	121.4
32.5°	83.6	91.6	99.5	91.6	83.6
35°	61.7	65.7	69.7	65.7	59.7
37.5°	47.8	51.7	53.7	49.8	45.8
40°	39.8	41.8	43.8	41.8	39.8
42.5°	33.8	35.8	35.8	35.8	33.8
45°	29.9	29.9	31.8	29.9	29.9
47.5°	25.9	25.9	27.9	25.9	25.9
50°	23.9	23.9	23.9	23.9	23.9
52.5°	21.9	21.9	21.9	21.9	21.9
55°	19.9	19.9	19.9	19.9	19.9
57.5°	17.9	17.9	17.9	17.9	17.9
60°	15.9	15.9	15.9	15.9	15.9
62.5°	13.9	13.9	13.9	13.9	13.9
65°	11.9	11.9	11.9	11.9	11.9
67.5°	11.9	11.9	11.9	11.9	11.9
70°	10.0	10.0	10.0	10.0	10.0
72.5°	8.0	8.0	8.0	8.0	8.0
75°	6.0	6.0	6.0	6.0	8.0
77.5°	6.0	6.0	6.0	6.0	6.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





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

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