

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: P791206

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791206
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-EC6DR1515309030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3218.7 lumens
Efficiency: N/A
Efficacy: 111.0 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

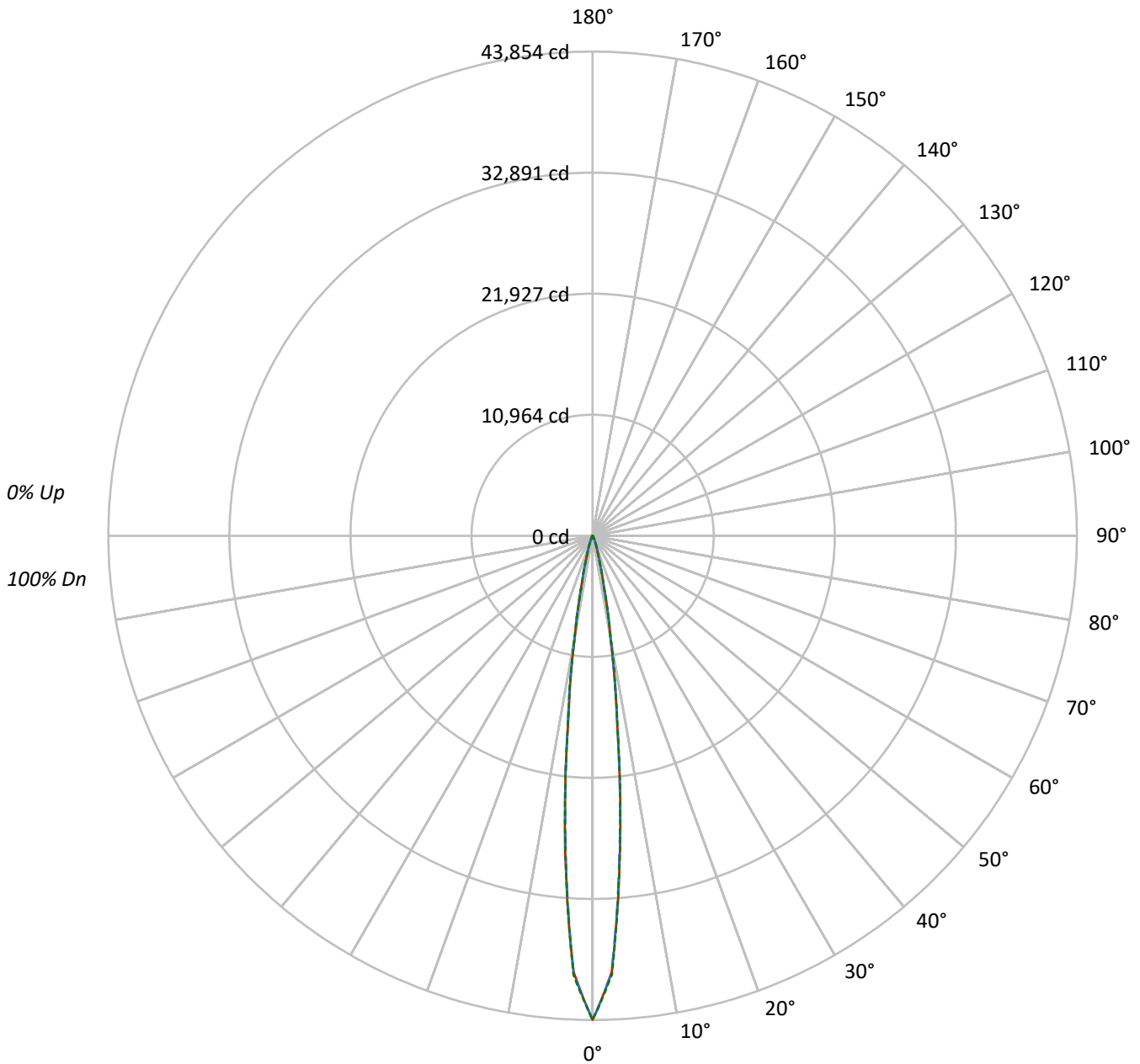


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4934506	4934506	4934506
5°	2899747	2862205	2884838
10°	865437	871502	884845
15°	215266	219461	212686
20°	64411	74581	65777
25°	22708	28925	22996
30°	8342	10985	8477
35°	4183	4720	4045
40°	2635	2897	2635
45°	1946	2079	1946
50°	1551	1551	1551
55°	1295	1295	1295
60°	1046	1046	1046
65°	792	792	792
70°	680	680	680
75°	423	423	559
80°	292	292	292
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2087.6	64.9
10°-20°	858.7	26.7
20°-30°	170.6	5.3
30°-40°	42.6	1.3
40°-50°	22.4	0.7
50°-60°	16.6	0.5
60°-70°	11.7	0.4
70°-80°	6.7	0.2
80°-90°	2.0	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°	3116.8	96.8
0°-40°	3159.4	98.2
0°-60°	3198.3	99.4
0°-90°	3218.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3218.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43854	43854	43854	43854	43854	
5°	28533	28239	28163	28358	28386	2084
15°	2478	2525	2527	2482	2449	850
25°	292	330	371	329	295	153
35°	58	61	65	61	56	39
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	7	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°	43854.5	43854.5	43854.5	43854.5	43854.5
2.5°	39558.5	39591.9	39604.9	39643.9	39788.7
5°	28532.7	28239.4	28163.3	28358.2	28386.0
7.5°	16901.7	16961.1	17178.3	17226.6	17052.0
10°	9275.1	9351.2	9340.1	9406.9	9483.1
12.5°	4743.4	4684.0	4665.4	4741.5	4635.7
15°	2478.4	2524.9	2526.7	2482.2	2448.7
17.5°	1333.0	1386.8	1475.9	1403.5	1292.1
20°	787.2	835.4	911.5	852.1	803.9
22.5°	486.4	525.4	579.2	532.8	493.8
25°	291.5	330.5	371.3	328.6	295.2
27.5°	172.7	206.1	232.1	204.2	170.8
30°	111.4	130.0	146.7	128.1	113.2
32.5°	78.0	85.4	92.8	85.4	78.0
35°	57.6	61.3	65.0	61.3	55.7
37.5°	44.6	48.3	50.1	46.4	42.7
40°	37.1	39.0	40.8	39.0	37.1
42.5°	31.6	33.4	33.4	33.4	31.6
45°	27.8	27.8	29.7	27.8	27.8
47.5°	24.1	24.1	26.0	24.1	24.1
50°	22.3	22.3	22.3	22.3	22.3
52.5°	20.4	20.4	20.4	20.4	20.4
55°	18.6	18.6	18.6	18.6	18.6
57.5°	16.7	16.7	16.7	16.7	16.7
60°	14.9	14.9	14.9	14.9	14.9
62.5°	13.0	13.0	13.0	13.0	13.0
65°	11.1	11.1	11.1	11.1	11.1
67.5°	11.1	11.1	11.1	11.1	11.1
70°	9.3	9.3	9.3	9.3	9.3
72.5°	7.4	7.4	7.4	7.4	7.4
75°	5.6	5.6	5.6	5.6	7.4
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.9	1.9	1.9	1.9	1.9
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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