

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: P791214

Luminaire Tested: LER6D30D010-EC6DR1515309035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791214
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-EC6DR1515309035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3398.0 lumens
Efficiency: N/A
Efficacy: 117.2 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

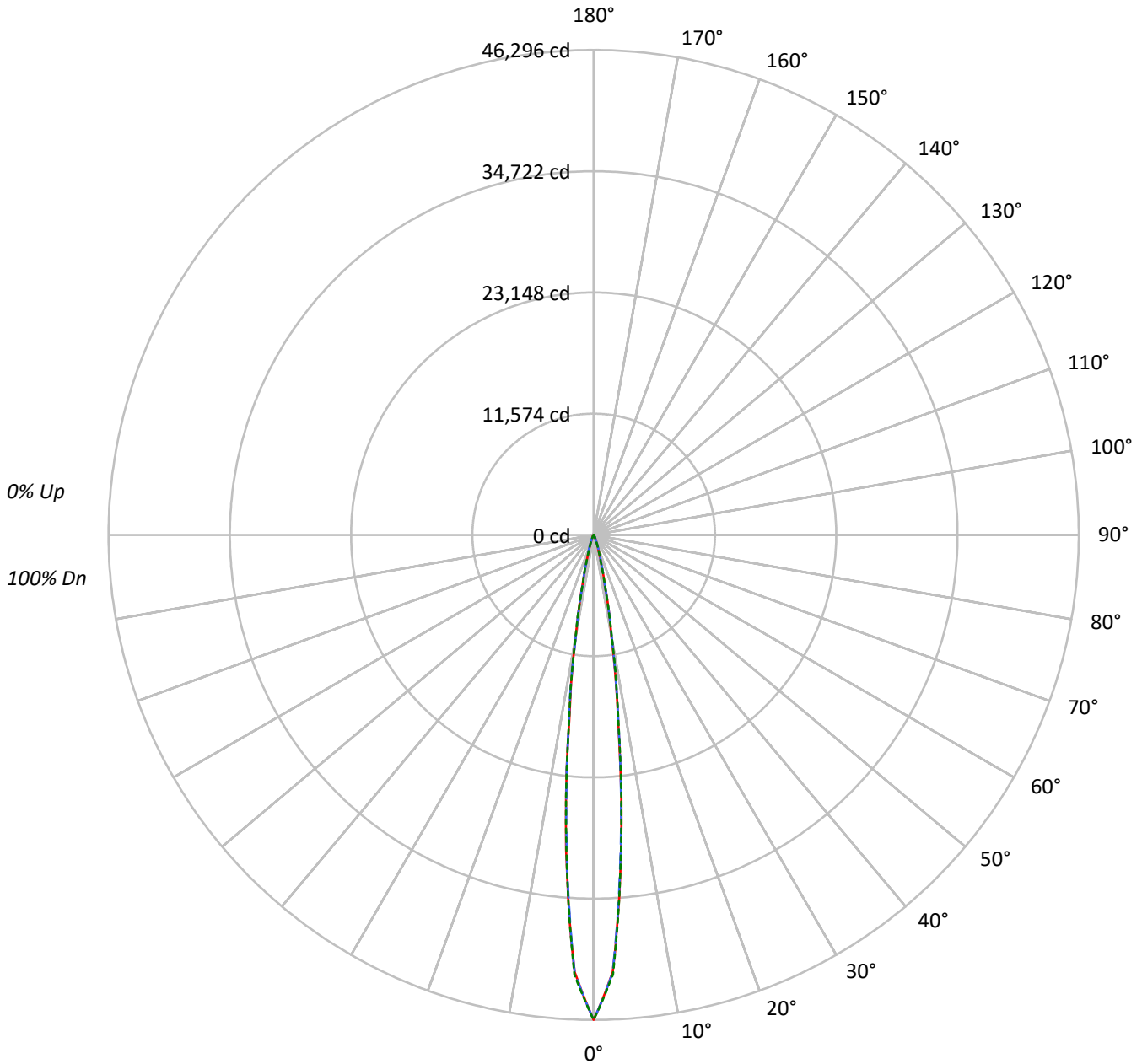


Downlight

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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°	5209235	5209235	5209235
5°	3061195	3021559	3045452
10°	913621	920022	934102
15°	227252	231682	224534
20°	67995	78738	69435
25°	23970	30537	24274
30°	8806	11592	8956
35°	4415	4982	4270
40°	2784	3061	2784
45°	2058	2198	2058
50°	1634	1634	1634
55°	1364	1364	1364
60°	1102	1102	1102
65°	842	842	842
70°	717	717	717
75°	446	446	590
80°	307	307	307
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2203.8	64.9
10°-20°	906.5	26.7
20°-30°	180.0	5.3
30°-40°	44.9	1.3
40°-50°	23.6	0.7
50°-60°	17.5	0.5
60°-70°	12.4	0.4
70°-80°	7.0	0.2
80°-90°	2.1	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°	3290.3	96.8
0°-40°	3335.3	98.2
0°-60°	3376.4	99.4
0°-90°	3398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46296	46296	46296	46296	46296	
5°	30121	29812	29731	29937	29966	2200
15°	2616	2665	2667	2620	2585	897
25°	308	349	392	347	312	162
35°	61	65	69	65	59	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	12
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°	46296.1	46296.1	46296.1	46296.1	46296.1
2.5°	41761.0	41796.2	41810.0	41851.1	42004.0
5°	30121.3	29811.6	29731.3	29937.0	29966.4
7.5°	17842.7	17905.4	18134.7	18185.7	18001.4
10°	9791.5	9871.9	9860.1	9930.7	10011.0
12.5°	5007.5	4944.8	4925.2	5005.5	4893.8
15°	2616.4	2665.4	2667.4	2620.3	2585.1
17.5°	1407.2	1464.0	1558.1	1481.7	1364.1
20°	831.0	881.9	962.3	899.6	848.6
22.5°	513.5	554.6	611.5	562.5	521.3
25°	307.7	348.9	392.0	346.9	311.6
27.5°	182.3	217.5	245.0	215.6	180.3
30°	117.6	137.2	154.8	135.2	119.6
32.5°	82.3	90.2	98.0	90.2	82.3
35°	60.8	64.7	68.6	64.7	58.8
37.5°	47.0	51.0	52.9	49.0	45.1
40°	39.2	41.2	43.1	41.2	39.2
42.5°	33.3	35.3	35.3	35.3	33.3
45°	29.4	29.4	31.4	29.4	29.4
47.5°	25.5	25.5	27.4	25.5	25.5
50°	23.5	23.5	23.5	23.5	23.5
52.5°	21.6	21.6	21.6	21.6	21.6
55°	19.6	19.6	19.6	19.6	19.6
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.7	15.7	15.7	15.7	15.7
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.8	11.8	11.8	11.8	11.8
67.5°	11.8	11.8	11.8	11.8	11.8
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.9	5.9	5.9	5.9	7.8
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
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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