

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: P791202

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791202
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-EC6DR1515309030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3117.6 lumens
Efficiency: N/A
Efficacy: 107.5 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

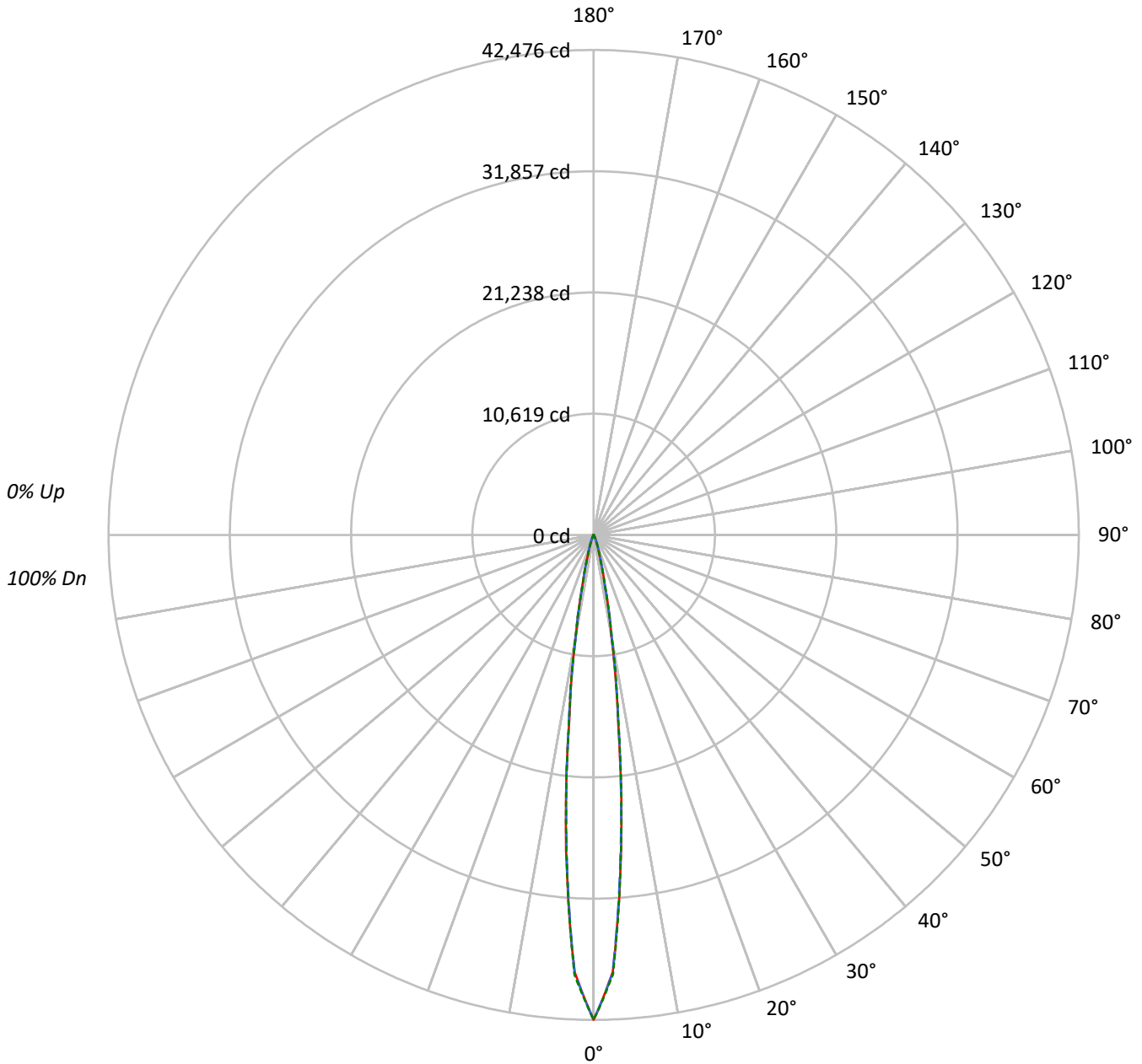
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	87	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°	4779409	4779409	4779409
5°	2808606	2772243	2794175
10°	838238	844107	857030
15°	208500	212565	206007
20°	62382	72241	63707
25°	21991	28013	22272
30°	8080	10641	8214
35°	4045	4568	3914
40°	2557	2812	2557
45°	1890	2016	1890
50°	1502	1502	1502
55°	1253	1253	1253
60°	1011	1011	1011
65°	771	771	771
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2021.9	64.9
10°-20°	831.7	26.7
20°-30°	165.2	5.3
30°-40°	41.2	1.3
40°-50°	21.7	0.7
50°-60°	16.1	0.5
60°-70°	11.4	0.4
70°-80°	6.5	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°	3018.8	96.8
0°-40°	3060.1	98.2
0°-60°	3097.8	99.4
0°-90°	3117.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42476	42476	42476	42476	42476	
5°	27636	27352	27278	27467	27494	2018
15°	2400	2446	2447	2404	2372	823
25°	282	320	360	318	286	148
35°	56	59	63	59	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
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°	42476.1	42476.1	42476.1	42476.1	42476.1
2.5°	38315.2	38347.5	38360.1	38397.9	38538.2
5°	27635.9	27351.8	27278.1	27466.9	27493.9
7.5°	16370.4	16428.0	16638.4	16685.1	16516.1
10°	8983.6	9057.3	9046.5	9111.3	9185.0
12.5°	4594.3	4536.8	4518.8	4592.5	4490.0
15°	2400.5	2445.5	2447.3	2404.1	2371.8
17.5°	1291.1	1343.2	1429.5	1359.4	1251.5
20°	762.4	809.2	882.9	825.4	778.6
22.5°	471.1	508.9	561.0	516.1	478.3
25°	282.3	320.1	359.6	318.3	285.9
27.5°	167.2	199.6	224.8	197.8	165.4
30°	107.9	125.9	142.1	124.1	109.7
32.5°	75.5	82.7	89.9	82.7	75.5
35°	55.7	59.3	62.9	59.3	53.9
37.5°	43.2	46.8	48.6	45.0	41.4
40°	36.0	37.8	39.6	37.8	36.0
42.5°	30.6	32.4	32.4	32.4	30.6
45°	27.0	27.0	28.8	27.0	27.0
47.5°	23.4	23.4	25.2	23.4	23.4
50°	21.6	21.6	21.6	21.6	21.6
52.5°	19.8	19.8	19.8	19.8	19.8
55°	18.0	18.0	18.0	18.0	18.0
57.5°	16.2	16.2	16.2	16.2	16.2
60°	14.4	14.4	14.4	14.4	14.4
62.5°	12.6	12.6	12.6	12.6	12.6
65°	10.8	10.8	10.8	10.8	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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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