

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: P791199

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791199
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-EC6DR1515309030-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3007.9 lumens
Efficiency: N/A
Efficacy: 103.7 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

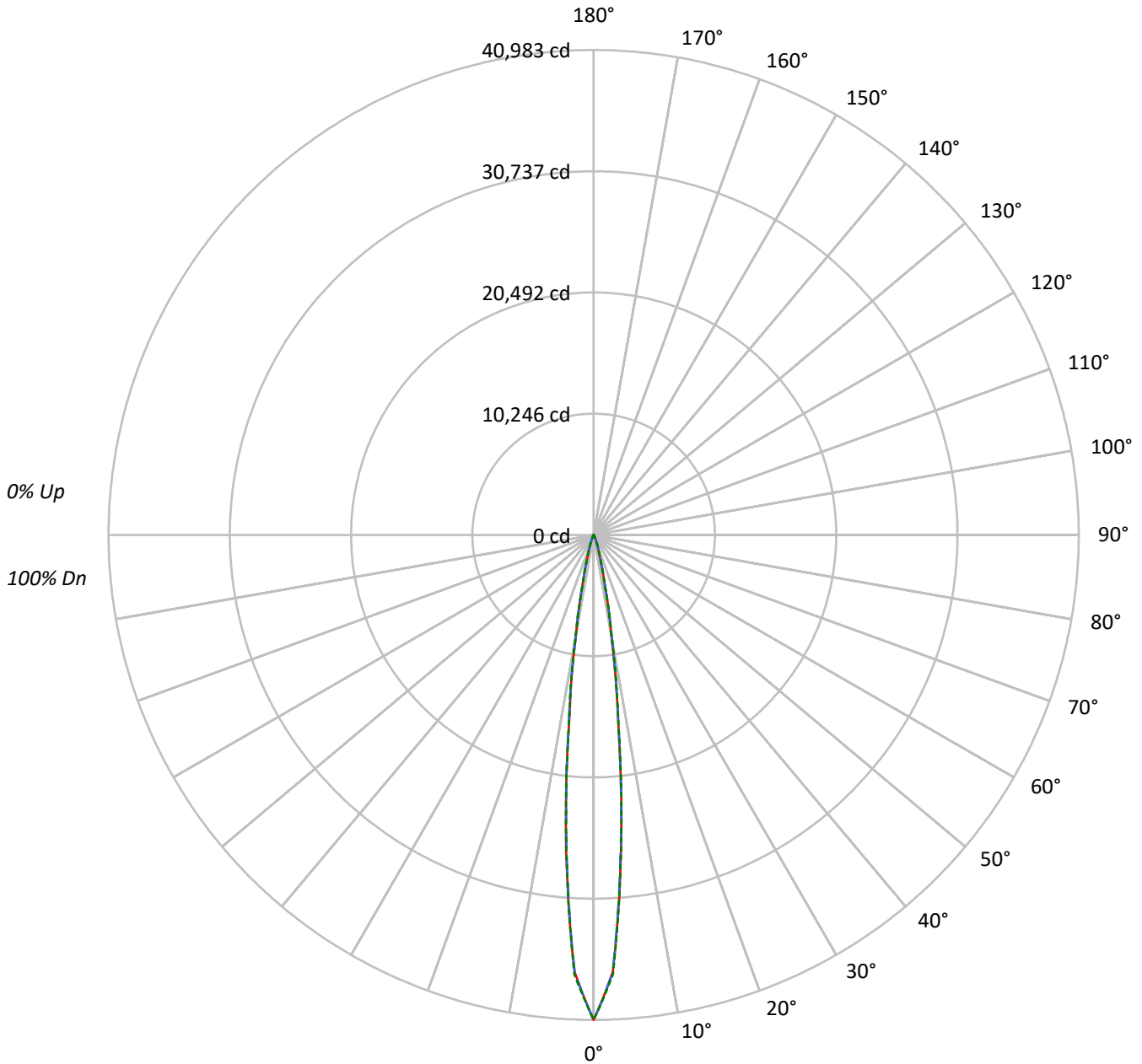


Downlight

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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°	4611394	4611394	4611394
5°	2709874	2674781	2695940
10°	808772	814435	826901
15°	201178	205095	198763
20°	60189	69705	61465
25°	21220	27032	21493
30°	7795	10266	7922
35°	3907	4408	3776
40°	2464	2713	2464
45°	1820	1946	1820
50°	1446	1446	1446
55°	1204	1204	1204
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	522
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1946 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1950.9	64.9
10°-20°	802.4	26.7
20°-30°	159.4	5.3
30°-40°	39.8	1.3
40°-50°	20.9	0.7
50°-60°	15.5	0.5
60°-70°	10.9	0.4
70°-80°	6.2	0.2
80°-90°	1.9	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°	2912.7	96.8
0°-40°	2952.5	98.2
0°-60°	2988.9	99.4
0°-90°	3007.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3007.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40983	40983	40983	40983	40983	
5°	26664	26390	26319	26501	26527	1947
15°	2316	2360	2361	2320	2288	794
25°	272	309	347	307	276	143
35°	54	57	61	57	52	37
45°	26	26	28	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	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°	40982.9	40982.9	40982.9	40982.9	40982.9
2.5°	36968.2	36999.5	37011.6	37048.1	37183.4
5°	26664.4	26390.3	26319.1	26501.3	26527.3
7.5°	15795.0	15850.5	16053.5	16098.6	15935.5
10°	8667.8	8738.9	8728.5	8791.0	8862.1
12.5°	4432.8	4377.3	4359.9	4431.1	4332.2
15°	2316.2	2359.5	2361.3	2319.6	2288.4
17.5°	1245.7	1296.0	1379.3	1311.6	1207.5
20°	735.6	780.7	851.9	796.3	751.2
22.5°	454.6	491.0	541.3	497.9	461.5
25°	272.4	308.8	347.0	307.1	275.9
27.5°	161.4	192.6	216.9	190.8	159.6
30°	104.1	121.4	137.1	119.7	105.8
32.5°	72.9	79.8	86.7	79.8	72.9
35°	53.8	57.3	60.7	57.3	52.0
37.5°	41.6	45.1	46.8	43.4	39.9
40°	34.7	36.4	38.2	36.4	34.7
42.5°	29.5	31.2	31.2	31.2	29.5
45°	26.0	26.0	27.8	26.0	26.0
47.5°	22.6	22.6	24.3	22.6	22.6
50°	20.8	20.8	20.8	20.8	20.8
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.3	17.3	17.3	17.3	17.3
57.5°	15.6	15.6	15.6	15.6	15.6
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.2	5.2	5.2	5.2	6.9
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
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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