

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: P788949

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR300210IC9024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.1 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

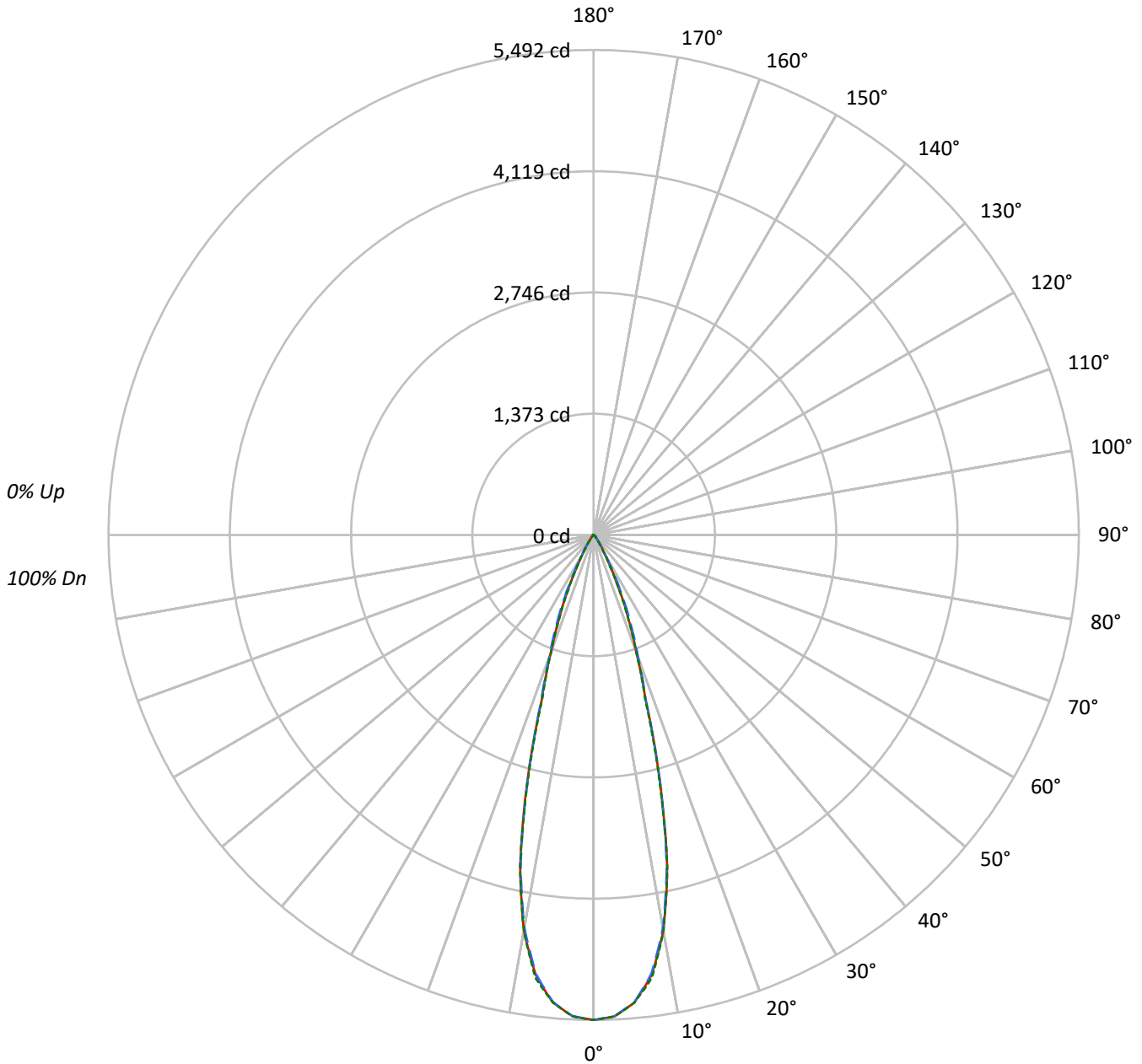


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	420415	420415	420415
5°	408344	407867	408367
10°	353692	351197	353606
15°	230765	229521	228372
20°	114747	119056	114592
25°	57802	65183	56619
30°	23139	25216	20161
35°	10737	10279	8615
40°	4636	5146	4367
45°	3269	4059	3302
50°	1119	2953	1191
55°	654	1228	681
60°	459	536	459
65°	290	290	290
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.0	28.3
10°-20°	777.8	45.5
20°-30°	336.1	19.7
30°-40°	76.6	4.5
40°-50°	26.3	1.5
50°-60°	6.4	0.4
60°-70°	1.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	1597.0	93.5
0°-40°	1673.6	98.0
0°-60°	1706.3	99.9
0°-90°	1708.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1708.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5492	5492	5492	5492	5492	
5°	5314	5309	5308	5319	5315	483
15°	2912	2877	2896	2887	2882	780
25°	684	710	772	692	670	328
35°	115	117	110	109	92	78
45°	30	38	38	38	30	21
55°	5	5	9	5	5	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5492.5	5492.5	5492.5	5492.5	5492.5
2.5°	5456.1	5452.3	5454.5	5457.2	5458.2
5°	5314.5	5309.4	5308.3	5319.4	5314.8
7.5°	5028.9	5021.7	5010.6	5035.7	5059.1
10°	4550.6	4542.5	4518.5	4530.3	4549.5
12.5°	3844.3	3818.1	3817.6	3855.4	3850.2
15°	2912.1	2877.0	2896.4	2887.0	2881.9
17.5°	1958.3	1944.8	1970.7	1962.9	1929.2
20°	1408.7	1412.2	1461.6	1436.8	1406.8
22.5°	1028.0	1040.6	1099.1	1035.2	1011.8
25°	684.4	710.3	771.8	692.2	670.4
27.5°	420.9	432.8	495.1	415.5	403.7
30°	261.8	255.9	285.3	244.9	228.1
32.5°	171.8	164.2	173.7	155.9	142.4
35°	114.9	117.3	110.0	109.2	92.2
37.5°	71.7	82.5	72.8	77.7	59.3
40°	46.4	59.9	51.5	56.9	43.7
42.5°	38.0	46.1	42.3	45.0	38.8
45°	30.2	37.5	37.5	37.5	30.5
47.5°	16.7	25.1	32.1	25.6	17.8
50°	9.4	12.7	24.8	13.2	10.0
52.5°	6.5	7.3	17.0	7.6	6.7
55°	4.9	5.1	9.2	5.4	5.1
57.5°	3.8	4.0	4.9	4.0	3.8
60°	3.0	3.0	3.5	3.2	3.0
62.5°	2.2	2.2	2.4	2.2	2.2
65°	1.6	1.6	1.6	1.6	1.6
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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