

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: P788820

Luminaire Tested: LER6D10D010-EC6DR150210IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788820
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: LER6D10D010-EC6DR150210IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1104.9 lumens
Efficiency: N/A
Efficacy: 94.4 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

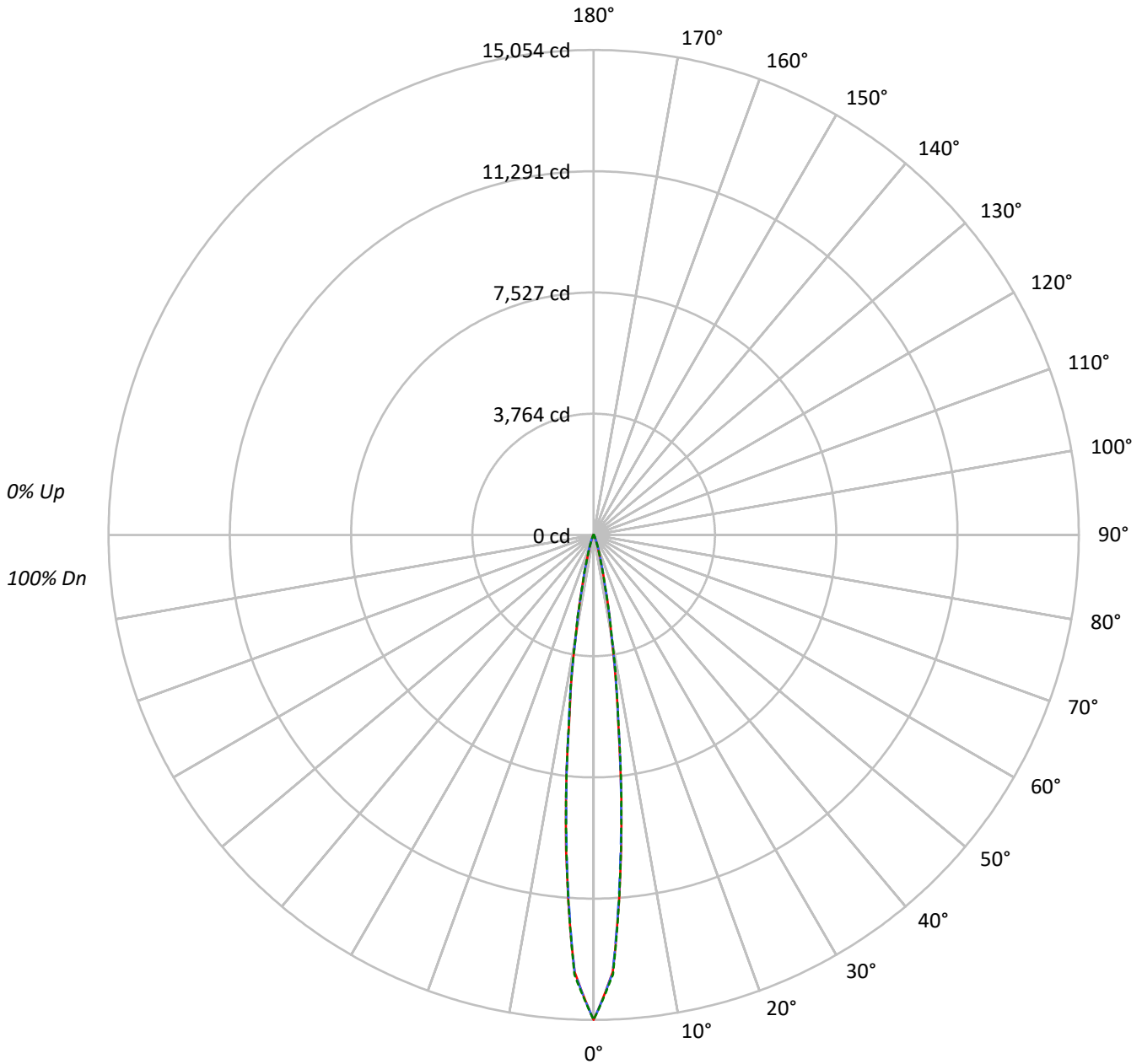
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1693920	1693920	1693920
5°	995425	982538	990313
10°	297091	299172	303744
15°	73898	75340	73012
20°	22109	25602	22583
25°	7798	9932	7891
30°	2860	3767	2913
35°	1438	1619	1387
40°	902	994	902
45°	672	714	672
50°	528	528	528
55°	445	445	445
60°	358	358	358
65°	271	271	271
70°	234	234	234
75°	144	144	189
80°	102	102	102
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 714 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.6	64.9
10°-20°	294.8	26.7
20°-30°	58.5	5.3
30°-40°	14.6	1.3
40°-50°	7.7	0.7
50°-60°	5.7	0.5
60°-70°	4.0	0.4
70°-80°	2.3	0.2
80°-90°	0.7	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°	1069.9	96.8
0°-40°	1084.5	98.2
0°-60°	1097.9	99.4
0°-90°	1104.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15054	15054	15054	15054	15054	
5°	9795	9694	9668	9735	9744	715
15°	851	867	867	852	841	292
25°	100	113	128	113	101	53
35°	20	21	22	21	19	13
45°	10	10	10	10	10	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15054.4	15054.4	15054.4	15054.4	15054.4
2.5°	13579.6	13591.1	13595.6	13609.0	13658.7
5°	9794.7	9694.0	9667.9	9734.8	9744.4
7.5°	5802.0	5822.4	5897.0	5913.5	5853.6
10°	3184.0	3210.1	3206.3	3229.2	3255.3
12.5°	1628.3	1607.9	1601.5	1627.7	1591.3
15°	850.8	866.7	867.4	852.1	840.6
17.5°	457.6	476.1	506.7	481.8	443.6
20°	270.2	286.8	312.9	292.5	276.0
22.5°	167.0	180.4	198.8	182.9	169.5
25°	100.1	113.4	127.5	112.8	101.3
27.5°	59.3	70.7	79.7	70.1	58.6
30°	38.2	44.6	50.3	44.0	38.9
32.5°	26.8	29.3	31.9	29.3	26.8
35°	19.8	21.0	22.3	21.0	19.1
37.5°	15.3	16.6	17.2	15.9	14.7
40°	12.7	13.4	14.0	13.4	12.7
42.5°	10.8	11.5	11.5	11.5	10.8
45°	9.6	9.6	10.2	9.6	9.6
47.5°	8.3	8.3	8.9	8.3	8.3
50°	7.6	7.6	7.6	7.6	7.6
52.5°	7.0	7.0	7.0	7.0	7.0
55°	6.4	6.4	6.4	6.4	6.4
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.1	5.1	5.1	5.1	5.1
62.5°	4.5	4.5	4.5	4.5	4.5
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
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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