

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: P790036

Luminaire Tested: LER6D20D010-EC6DR1515309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790036
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: LER6D20D010-EC6DR1515309024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1778.7 lumens
Efficiency: N/A
Efficacy: 77.0 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

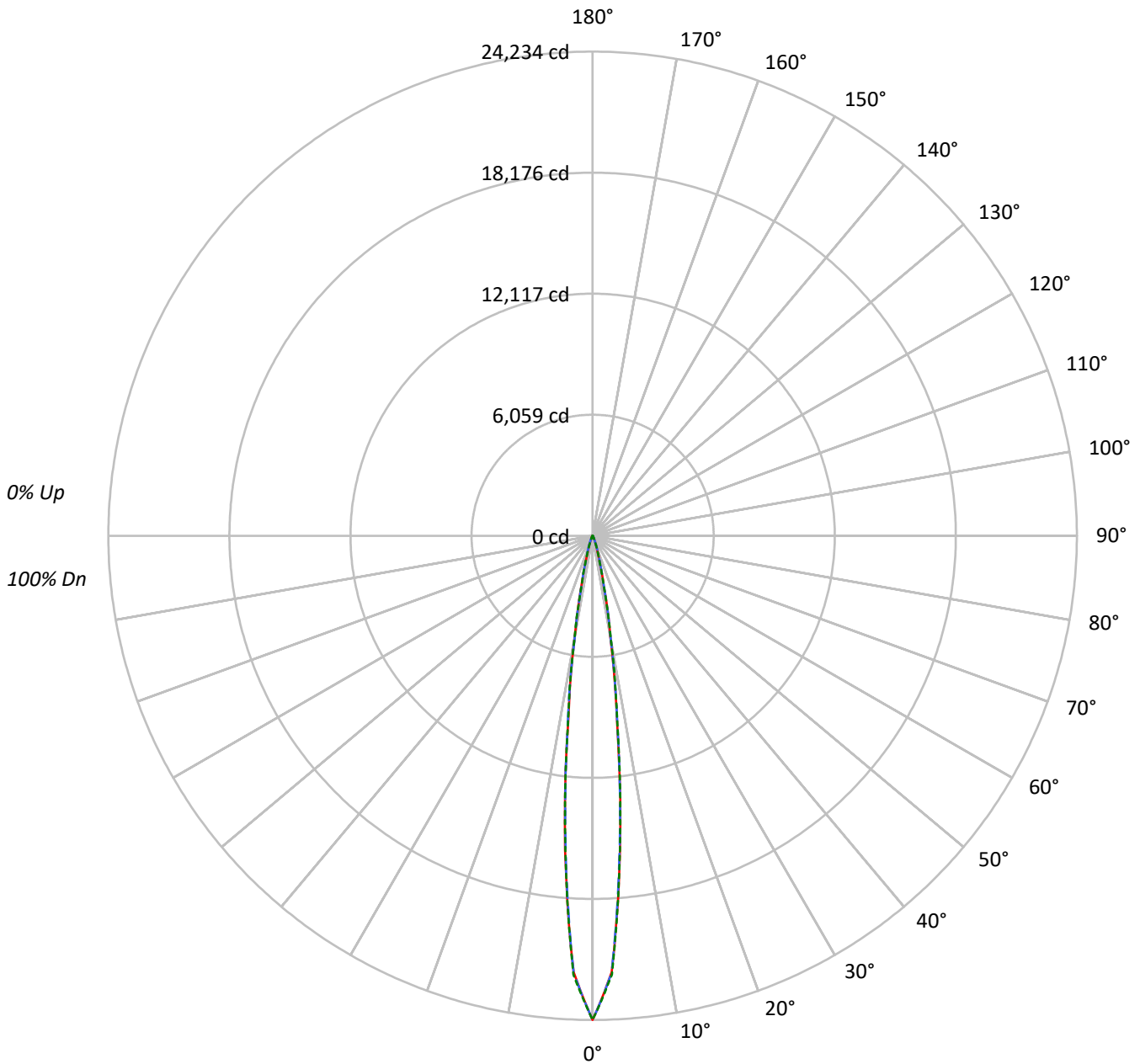
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2726797	2726797	2726797
5°	1602393	1581640	1594151
10°	478239	481588	488960
15°	118959	121278	117535
20°	35593	41214	36346
25°	12550	15985	12706
30°	4613	6065	4688
35°	2309	2607	2237
40°	1456	1605	1456
45°	1078	1148	1078
50°	855	855	855
55°	717	717	717
60°	576	576	576
65°	442	442	442
70°	373	373	373
75°	234	234	310
80°	166	166	166
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1148 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.6	64.9
10°-20°	474.5	26.7
20°-30°	94.2	5.3
30°-40°	23.5	1.3
40°-50°	12.4	0.7
50°-60°	9.2	0.5
60°-70°	6.5	0.4
70°-80°	3.7	0.2
80°-90°	1.1	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°	1722.3	96.8
0°-40°	1745.8	98.2
0°-60°	1767.4	99.4
0°-90°	1778.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24234	24234	24234	24234	24234	
5°	15767	15605	15563	15671	15686	1151
15°	1370	1395	1396	1372	1353	470
25°	161	183	205	182	163	85
35°	32	34	36	34	31	22
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	4
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°	24233.9	24233.9	24233.9	24233.9	24233.9
2.5°	21859.9	21878.4	21885.6	21907.1	21987.1
5°	15767.1	15605.0	15562.9	15670.7	15686.0
7.5°	9339.8	9372.6	9492.7	9519.3	9422.9
10°	5125.4	5167.5	5161.3	5198.2	5240.3
12.5°	2621.2	2588.4	2578.1	2620.2	2561.7
15°	1369.6	1395.2	1396.3	1371.6	1353.2
17.5°	736.6	766.3	815.6	775.6	714.0
20°	435.0	461.7	503.7	470.9	444.2
22.5°	268.8	290.3	320.1	294.4	272.9
25°	161.1	182.6	205.2	181.6	163.1
27.5°	95.4	113.9	128.2	112.8	94.4
30°	61.6	71.8	81.0	70.8	62.6
32.5°	43.1	47.2	51.3	47.2	43.1
35°	31.8	33.9	35.9	33.9	30.8
37.5°	24.6	26.7	27.7	25.6	23.6
40°	20.5	21.5	22.6	21.5	20.5
42.5°	17.4	18.5	18.5	18.5	17.4
45°	15.4	15.4	16.4	15.4	15.4
47.5°	13.3	13.3	14.4	13.3	13.3
50°	12.3	12.3	12.3	12.3	12.3
52.5°	11.3	11.3	11.3	11.3	11.3
55°	10.3	10.3	10.3	10.3	10.3
57.5°	9.2	9.2	9.2	9.2	9.2
60°	8.2	8.2	8.2	8.2	8.2
62.5°	7.2	7.2	7.2	7.2	7.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	6.2	6.2	6.2	6.2
70°	5.1	5.1	5.1	5.1	5.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.1	3.1	3.1	3.1	4.1
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0
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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