

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: P792324

Luminaire Tested: LER6D40BD010-EC6DR3040509040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792324
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: LER6D40BD010-EC6DR3040509040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4867.6 lumens
Efficiency: N/A
Efficacy: 138.3 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): 35.2
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

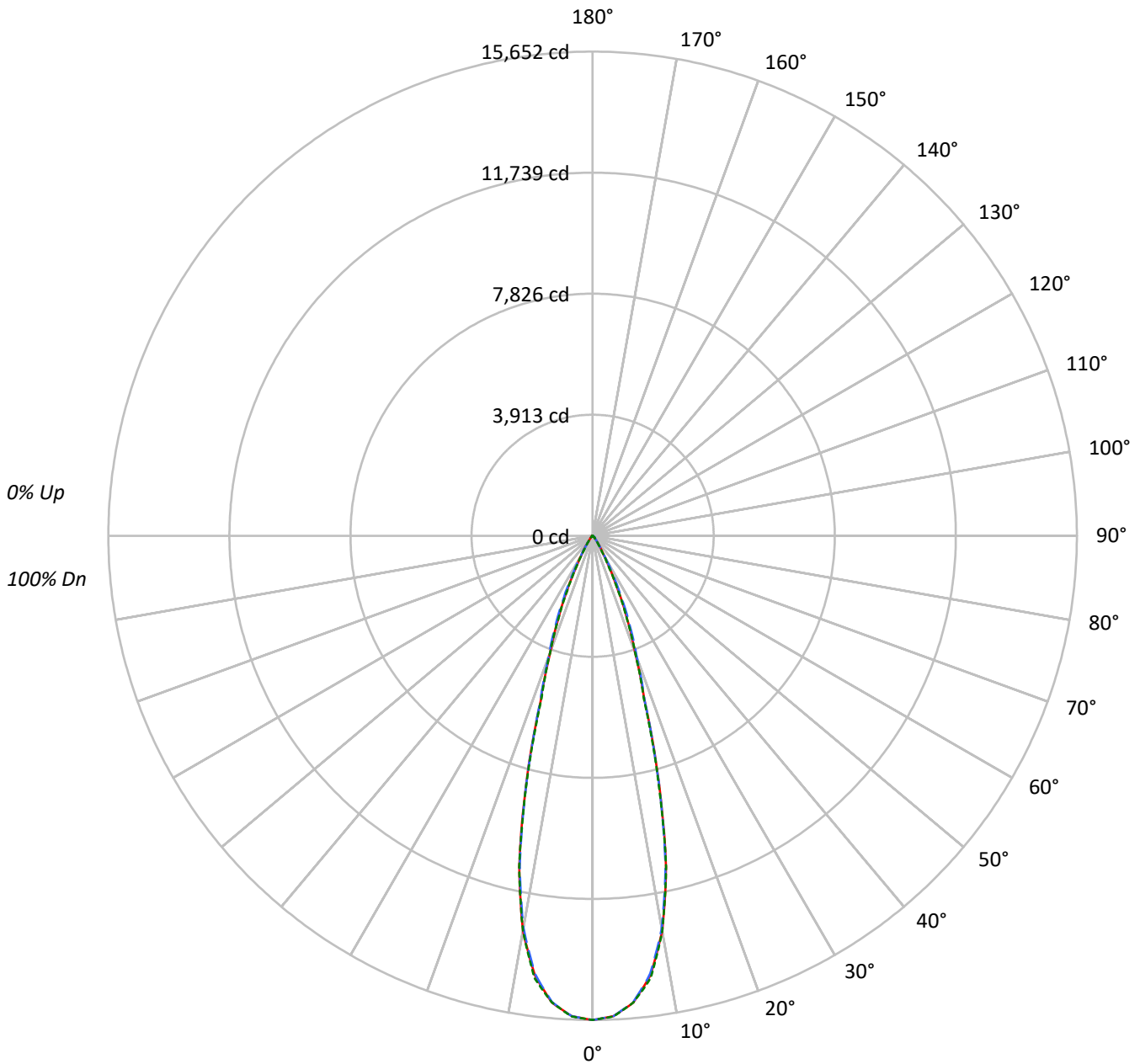


Downlight

TEST NUMBER: P792324

CATALOG NUMBER: LER6D40BD010-EC6DR3040509040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P792324

CATALOG NUMBER: LER6D40BD010-EC6DR3040509040-6LBS1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1198034	1198034	1198034
5°	1163639	1162287	1163701
10°	1007889	1000785	1007655
15°	657603	654068	650780
20°	326996	339263	326556
25°	164715	185745	161345
30°	65953	71857	57459
35°	30593	29294	24557
40°	13209	14668	12440
45°	9320	11561	9396
50°	3203	8419	3382
55°	1842	3483	1948
60°	1301	1531	1301
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11561 cd/sqm



TEST NUMBER: P792324

CATALOG NUMBER: LER6D40BD010-EC6DR3040509040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1376.3	28.3
10°-20°	2216.6	45.5
20°-30°	957.9	19.7
30°-40°	218.3	4.5
40°-50°	75.0	1.5
50°-60°	18.3	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4550.8	93.5
0°-40°	4769.1	98.0
0°-60°	4862.4	99.9
0°-90°	4867.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15652	15652	15652	15652	15652	
5°	15144	15130	15127	15158	15145	1377
15°	8298	8199	8254	8227	8212	2222
25°	1950	2024	2199	1973	1910	934
35°	327	334	314	311	263	222
45°	86	107	107	107	87	61
55°	14	15	26	15	15	13
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P792324

CATALOG NUMBER: LER6D40BD010-EC6DR3040509040-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15651.7	15651.7	15651.7	15651.7	15651.7
2.5°	15548.0	15537.2	15543.4	15551.1	15554.1
5°	15144.5	15129.9	15126.9	15158.4	15145.3
7.5°	14330.8	14310.0	14278.5	14350.0	14416.8
10°	12967.5	12944.5	12876.1	12909.9	12964.5
12.5°	10955.0	10880.4	10878.9	10986.5	10971.9
15°	8298.5	8198.6	8253.9	8227.0	8212.4
17.5°	5580.5	5542.0	5615.8	5593.5	5497.5
20°	4014.4	4024.4	4165.0	4094.3	4009.0
22.5°	2929.3	2965.4	3132.2	2950.1	2883.2
25°	1950.3	2024.1	2199.3	1972.6	1910.4
27.5°	1199.5	1233.4	1410.9	1184.2	1150.4
30°	746.2	729.3	813.0	697.7	650.1
32.5°	489.5	468.0	494.9	444.2	405.7
35°	327.4	334.3	313.5	311.2	262.8
37.5°	204.4	235.1	207.5	221.3	169.1
40°	132.2	170.6	146.8	162.1	124.5
42.5°	108.4	131.4	120.6	128.3	110.7
45°	86.1	106.8	106.8	106.8	86.8
47.5°	47.6	71.5	91.4	73.0	50.7
50°	26.9	36.1	70.7	37.7	28.4
52.5°	18.4	20.7	48.4	21.5	19.2
55°	13.8	14.6	26.1	15.4	14.6
57.5°	10.8	11.5	13.8	11.5	10.8
60°	8.5	8.5	10.0	9.2	8.5
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)