

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: P792308

Luminaire Tested: LER6D40BD010-EC6DR3040509030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792308
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-EC6DR3040509030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4601.7 lumens
Efficiency: N/A
Efficacy: 130.7 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

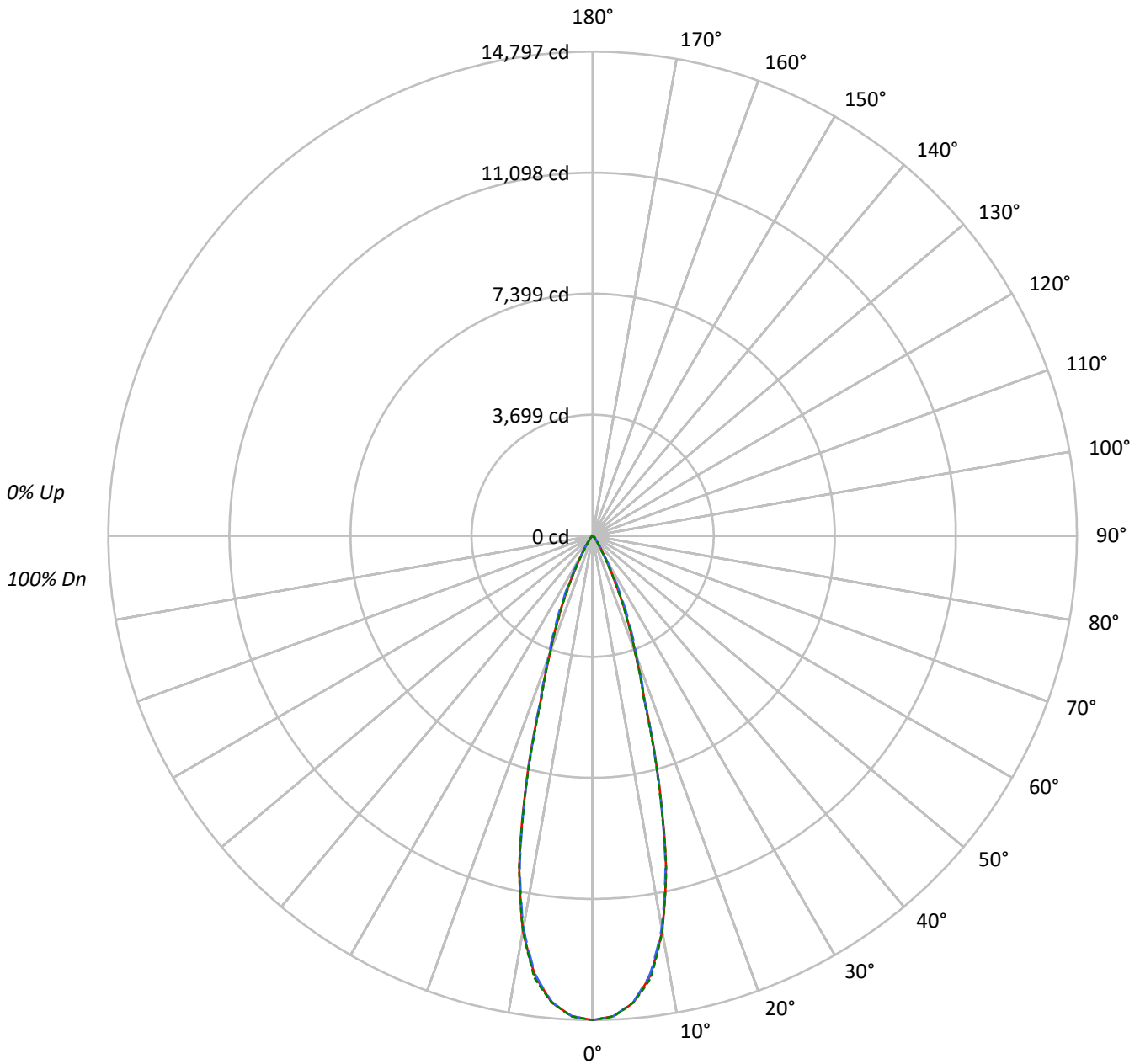


Downlight

TEST NUMBER: P792308

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P792308

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBS1H

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	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°	1132597	1132597	1132597
5°	1100081	1098798	1100135
10°	952837	946121	952611
15°	621682	618337	615231
20°	309133	320732	308717
25°	155721	175602	152528
30°	62347	67932	54321
35°	28920	27696	23220
40°	12490	13869	11761
45°	8811	10933	8887
50°	3025	7955	3203
55°	1748	3296	1842
60°	1225	1439	1225
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 10933 cd/sqm



TEST NUMBER: P792308

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1301.2	28.3
10°-20°	2095.5	45.5
20°-30°	905.5	19.7
30°-40°	206.4	4.5
40°-50°	70.9	1.5
50°-60°	17.3	0.4
60°-70°	4.5	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°	4302.2	93.5
0°-40°	4508.6	98.0
0°-60°	4596.8	99.9
0°-90°	4601.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4601.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14797	14797	14797	14797	14797	
5°	14317	14304	14301	14330	14318	1302
15°	7845	7751	7803	7778	7764	2101
25°	1844	1914	2079	1865	1806	883
35°	310	316	296	294	248	210
45°	81	101	101	101	82	58
55°	13	14	25	14	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P792308

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14796.8	14796.8	14796.8	14796.8	14796.8
2.5°	14698.7	14688.5	14694.4	14701.6	14704.5
5°	14317.3	14303.5	14300.6	14330.4	14318.0
7.5°	13548.0	13528.4	13498.6	13566.1	13629.4
10°	12259.2	12237.4	12172.8	12204.7	12256.3
12.5°	10356.6	10286.1	10284.7	10386.4	10372.6
15°	7845.2	7750.7	7803.0	7777.6	7763.8
17.5°	5275.6	5239.3	5309.1	5288.0	5197.2
20°	3795.1	3804.5	3937.5	3870.6	3790.0
22.5°	2769.3	2803.5	2961.1	2788.9	2725.7
25°	1843.8	1913.5	2079.2	1864.9	1806.0
27.5°	1134.0	1166.0	1333.8	1119.5	1087.5
30°	705.4	689.4	768.6	659.6	614.6
32.5°	462.8	442.4	467.8	419.9	383.6
35°	309.5	316.0	296.4	294.2	248.5
37.5°	193.2	222.3	196.1	209.2	159.8
40°	125.0	161.3	138.8	153.3	117.7
42.5°	102.4	124.2	114.1	121.3	104.6
45°	81.4	101.0	101.0	101.0	82.1
47.5°	45.0	67.6	86.5	69.0	47.9
50°	25.4	34.1	66.8	35.6	26.9
52.5°	17.4	19.6	45.8	20.3	18.2
55°	13.1	13.8	24.7	14.5	13.8
57.5°	10.2	10.9	13.1	10.9	10.2
60°	8.0	8.0	9.4	8.7	8.0
62.5°	5.8	5.8	6.5	5.8	5.8
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)