

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



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: P792305

Luminaire Tested: LER6D40BD010-EC6DR3040509030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792305
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-EC6DR3040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 4590.2 lumens
Efficiency: N/A
Efficacy: 130.4 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

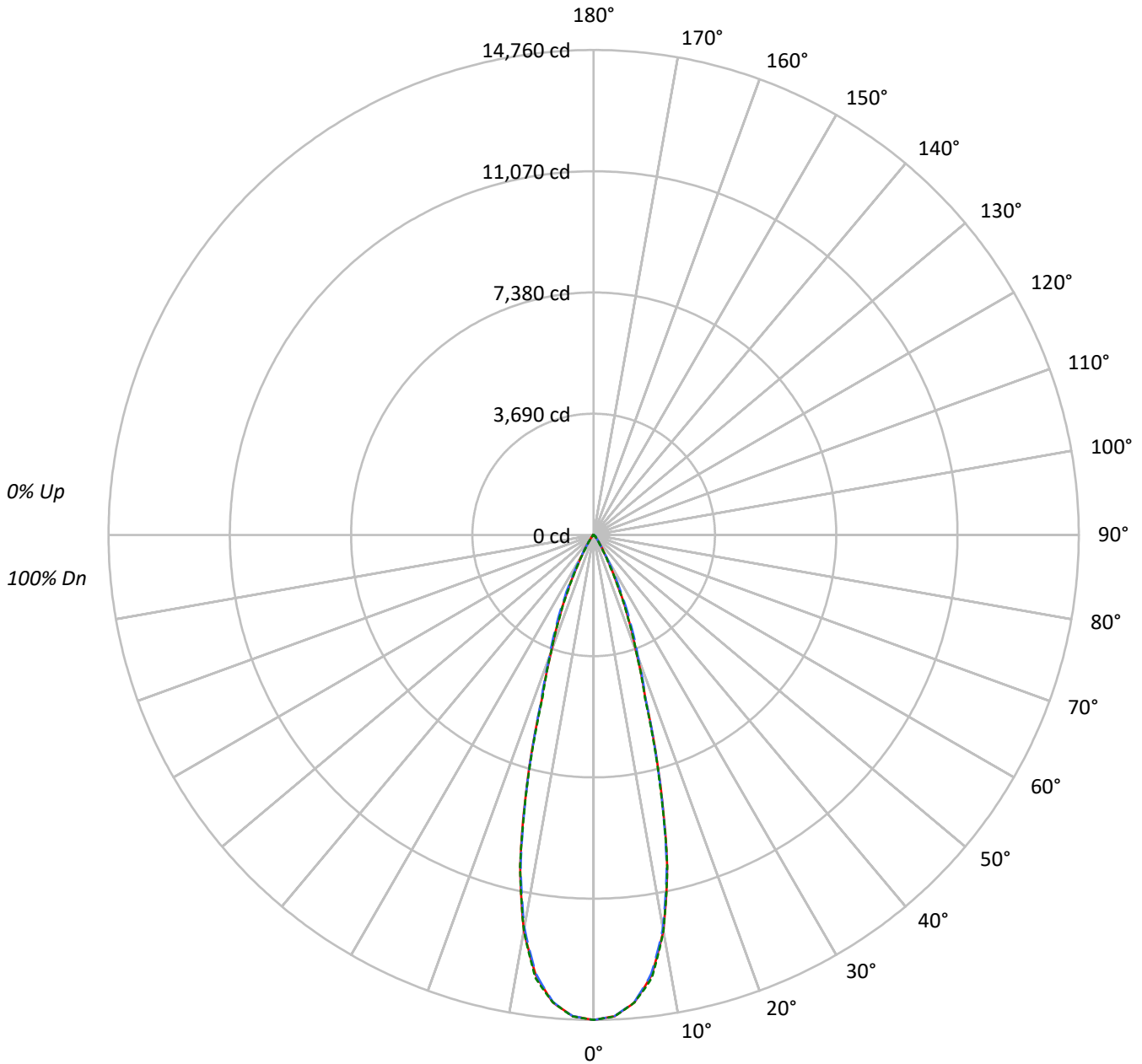


Downlight

TEST NUMBER: P792305

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P792305

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					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								
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°	1129765	1129765	1129765
5°	1097330	1096055	1097392
10°	950458	943751	950233
15°	620128	616792	613694
20°	308359	319926	307944
25°	155332	175162	152148
30°	62187	67765	54189
35°	28846	27631	23155
40°	12450	13829	11731
45°	8790	10901	8866
50°	3025	7943	3191
55°	1735	3283	1842
60°	1225	1439	1225
65°	779	779	779
70°	492	313	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: 10901 cd/sqm



TEST NUMBER: P792305

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1297.9	28.3
10°-20°	2090.3	45.5
20°-30°	903.3	19.7
30°-40°	205.9	4.5
40°-50°	70.7	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°	4291.5	93.5
0°-40°	4497.3	98.0
0°-60°	4585.3	99.9
0°-90°	4590.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4590.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14760	14760	14760	14760	14760	
5°	14282	14268	14265	14295	14282	1299
15°	7826	7731	7784	7758	7744	2095
25°	1839	1909	2074	1860	1802	880
35°	309	315	296	294	248	209
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	0



TEST NUMBER: P792305

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14759.8	14759.8	14759.8	14759.8	14759.8
2.5°	14662.0	14651.8	14657.6	14664.9	14667.8
5°	14281.5	14267.8	14264.9	14294.6	14282.3
7.5°	13514.1	13494.6	13464.8	13532.2	13595.3
10°	12228.6	12206.8	12142.3	12174.2	12225.7
12.5°	10330.7	10260.4	10259.0	10360.4	10346.6
15°	7825.6	7731.4	7783.5	7758.2	7744.4
17.5°	5262.5	5226.2	5295.8	5274.8	5184.2
20°	3785.6	3795.0	3927.6	3861.0	3780.5
22.5°	2762.4	2796.4	2953.7	2782.0	2718.9
25°	1839.2	1908.7	2074.0	1860.2	1801.5
27.5°	1131.2	1163.1	1330.5	1116.7	1084.8
30°	703.6	687.7	766.7	658.0	613.1
32.5°	461.6	441.3	466.7	418.9	382.6
35°	308.7	315.2	295.7	293.5	247.8
37.5°	192.8	221.7	195.7	208.7	159.4
40°	124.6	160.9	138.4	152.9	117.4
42.5°	102.2	123.9	113.8	121.0	104.4
45°	81.2	100.7	100.7	100.7	81.9
47.5°	44.9	67.4	86.2	68.8	47.8
50°	25.4	34.1	66.7	35.5	26.8
52.5°	17.4	19.6	45.7	20.3	18.1
55°	13.0	13.8	24.6	14.5	13.8
57.5°	10.1	10.9	13.0	10.9	10.1
60°	8.0	8.0	9.4	8.7	8.0
62.5°	5.8	5.8	6.5	5.8	5.8
65°	4.3	4.3	4.3	4.3	4.3
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.4	1.4	1.4	2.2
72.5°	1.4	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)