

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: P792292

Luminaire Tested: LER6D40BD010-EC6DR3040509024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792292
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-EC6DR3040509024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3943.1 lumens
Efficiency: N/A
Efficacy: 112.0 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

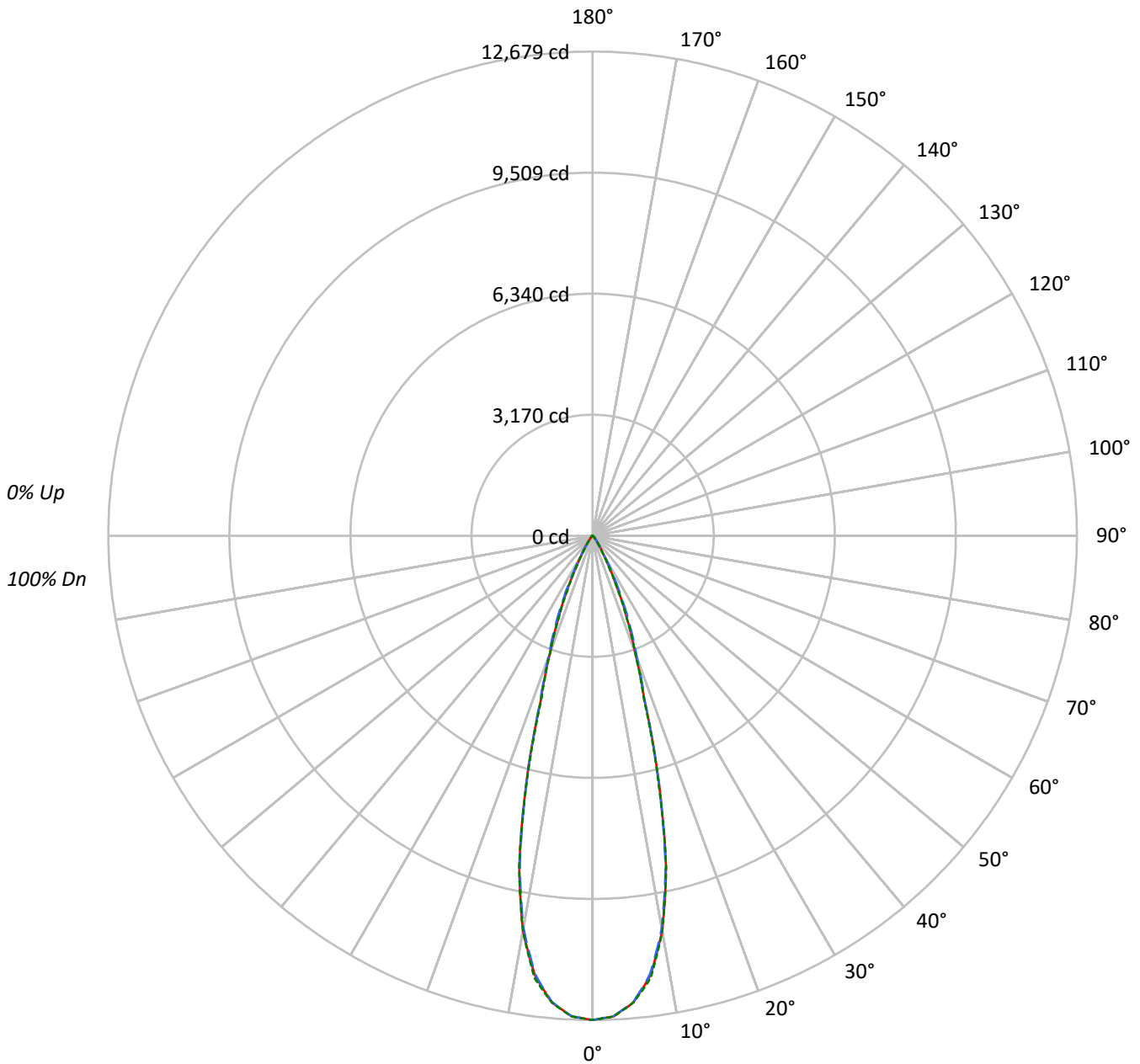
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P792292
CATALOG NUMBER: LER6D40BD010-EC6DR3040509024-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P792292

CATALOG NUMBER: LER6D40BD010-EC6DR3040509024-6LBS1H

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°	970509	970509	970509
5°	942652	941546	942698
10°	816477	810718	816283
15°	532707	529846	527184
20°	264894	274832	264536
25°	133432	150467	130705
30°	53429	58210	46543
35°	24781	23734	19894
40°	10701	11881	10072
45°	7545	9364	7610
50°	2596	6823	2739
55°	1495	2829	1575
60°	1041	1240	1041
65°	670	670	670
70°	425	269	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9364 cd/sqm



TEST NUMBER: P792292

CATALOG NUMBER: LER6D40BD010-EC6DR3040509024-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1114.9	28.3
10°-20°	1795.6	45.5
20°-30°	775.9	19.7
30°-40°	176.9	4.5
40°-50°	60.7	1.5
50°-60°	14.8	0.4
60°-70°	3.8	0.1
70°-80°	0.4	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°	3686.5	93.5
0°-40°	3863.4	98.0
0°-60°	3938.9	99.9
0°-90°	3943.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3943.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12679	12679	12679	12679	12679	
5°	12268	12256	12254	12280	12269	1116
15°	6722	6642	6686	6665	6653	1800
25°	1580	1640	1782	1598	1548	756
35°	265	271	254	252	213	180
45°	70	86	86	86	70	49
55°	11	12	21	12	12	11
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: P792292

CATALOG NUMBER: LER6D40BD010-EC6DR3040509024-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12679.2	12679.2	12679.2	12679.2	12679.2
2.5°	12595.2	12586.5	12591.4	12597.7	12600.1
5°	12268.4	12256.5	12254.0	12279.6	12269.0
7.5°	11609.1	11592.3	11566.8	11624.7	11678.8
10°	10504.8	10486.1	10430.7	10458.1	10502.3
12.5°	8874.4	8814.1	8812.8	8900.0	8888.1
15°	6722.4	6641.5	6686.3	6664.6	6652.7
17.5°	4520.6	4489.5	4549.3	4531.2	4453.4
20°	3252.0	3260.1	3374.0	3316.7	3247.6
22.5°	2373.0	2402.3	2537.3	2389.8	2335.6
25°	1579.9	1639.7	1781.6	1598.0	1547.6
27.5°	971.7	999.1	1142.9	959.3	931.9
30°	604.5	590.8	658.6	565.2	526.6
32.5°	396.5	379.1	400.9	359.8	328.7
35°	265.2	270.8	254.0	252.1	212.9
37.5°	165.6	190.5	168.1	179.3	137.0
40°	107.1	138.2	118.9	131.3	100.8
42.5°	87.8	106.4	97.7	104.0	89.6
45°	69.7	86.5	86.5	86.5	70.3
47.5°	38.6	57.9	74.1	59.1	41.1
50°	21.8	29.3	57.3	30.5	23.0
52.5°	14.9	16.8	39.2	17.4	15.6
55°	11.2	11.8	21.2	12.5	11.8
57.5°	8.7	9.3	11.2	9.3	8.7
60°	6.8	6.8	8.1	7.5	6.8
62.5°	5.0	5.0	5.6	5.0	5.0
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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)