

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: P792668

Luminaire Tested: LER6D40BD010-EC6DR6540509050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6540509050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4398.9 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

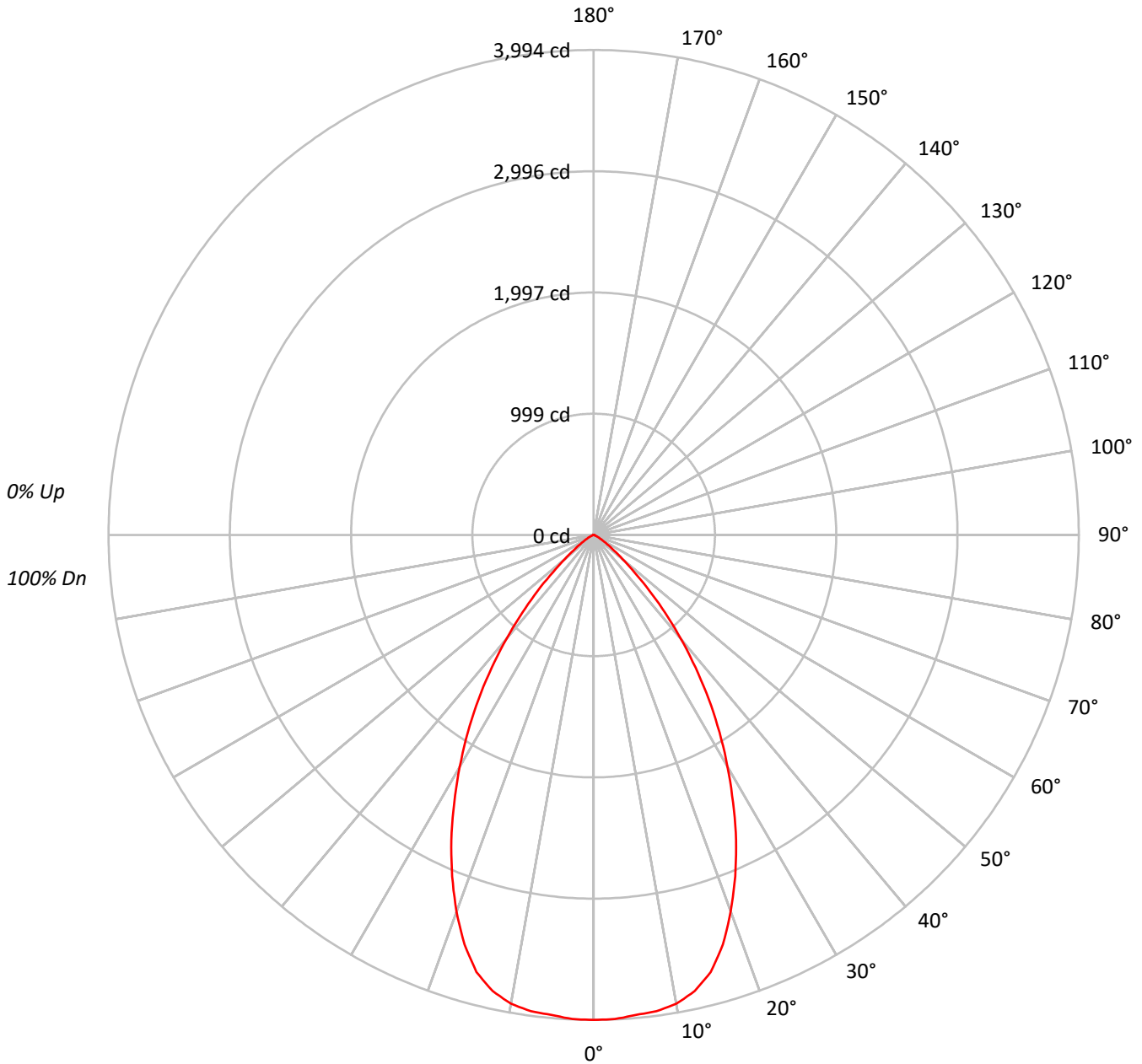
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P792668
CATALOG NUMBER: LER6D40BD010-EC6DR6540509050-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P792668

CATALOG NUMBER: LER6D40BD010-EC6DR6540509050-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233271
5°	232685
10°	232487
15°	225320
20°	205127
25°	178754
30°	148669
35°	117798
40°	85024
45°	53712
50°	27994
55°	14876
60°	7814
65°	4298
70°	1810
75°	1986
80°	1379
85°	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53712 cd/sqm



TEST NUMBER: P792668

CATALOG NUMBER: LER6D40BD010-EC6DR6540509050-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.7	8.6
10°-20°	1034.3	23.5
20°-30°	1264.3	28.7
30°-40°	1025.8	23.3
40°-50°	511.2	11.6
50°-60°	142.6	3.2
60°-70°	32.4	0.7
70°-80°	8.4	0.2
80°-90°	2.2	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°	2676.4	60.8
0°-40°	3702.2	84.2
0°-60°	4355.9	99.0
0°-90°	4398.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4398.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3994	
5°	3969	378
15°	3726	1034
25°	2774	1264
35°	1652	1026
45°	650	511
55°	146	143
65°	31	32
75°	9	8
85°	2	2
90°	0	



TEST NUMBER: P792668

CATALOG NUMBER: LER6D40BD010-EC6DR6540509050-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	3994.1
2.5°	3991.2
5°	3968.9
7.5°	3956.0
10°	3920.2
12.5°	3847.4
15°	3726.5
17.5°	3537.5
20°	3300.4
22.5°	3044.4
25°	2773.9
27.5°	2484.5
30°	2204.5
32.5°	1928.1
35°	1652.2
37.5°	1377.0
40°	1115.2
42.5°	869.8
45°	650.3
47.5°	453.1
50°	308.1
52.5°	212.5
55°	146.1
57.5°	98.6
60°	66.9
62.5°	46.4
65°	31.1
67.5°	15.8
70°	10.6
72.5°	10.0
75°	8.8
77.5°	5.9
80°	4.1
82.5°	2.9
85°	1.8
87.5°	1.2
90°	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



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

Scaled Data Report



— 0°-180°

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)