

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: P792314

Luminaire Tested: LER6D40BD010-EC6DR3040509035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792314
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-EC6DR3040509035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3940.8 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

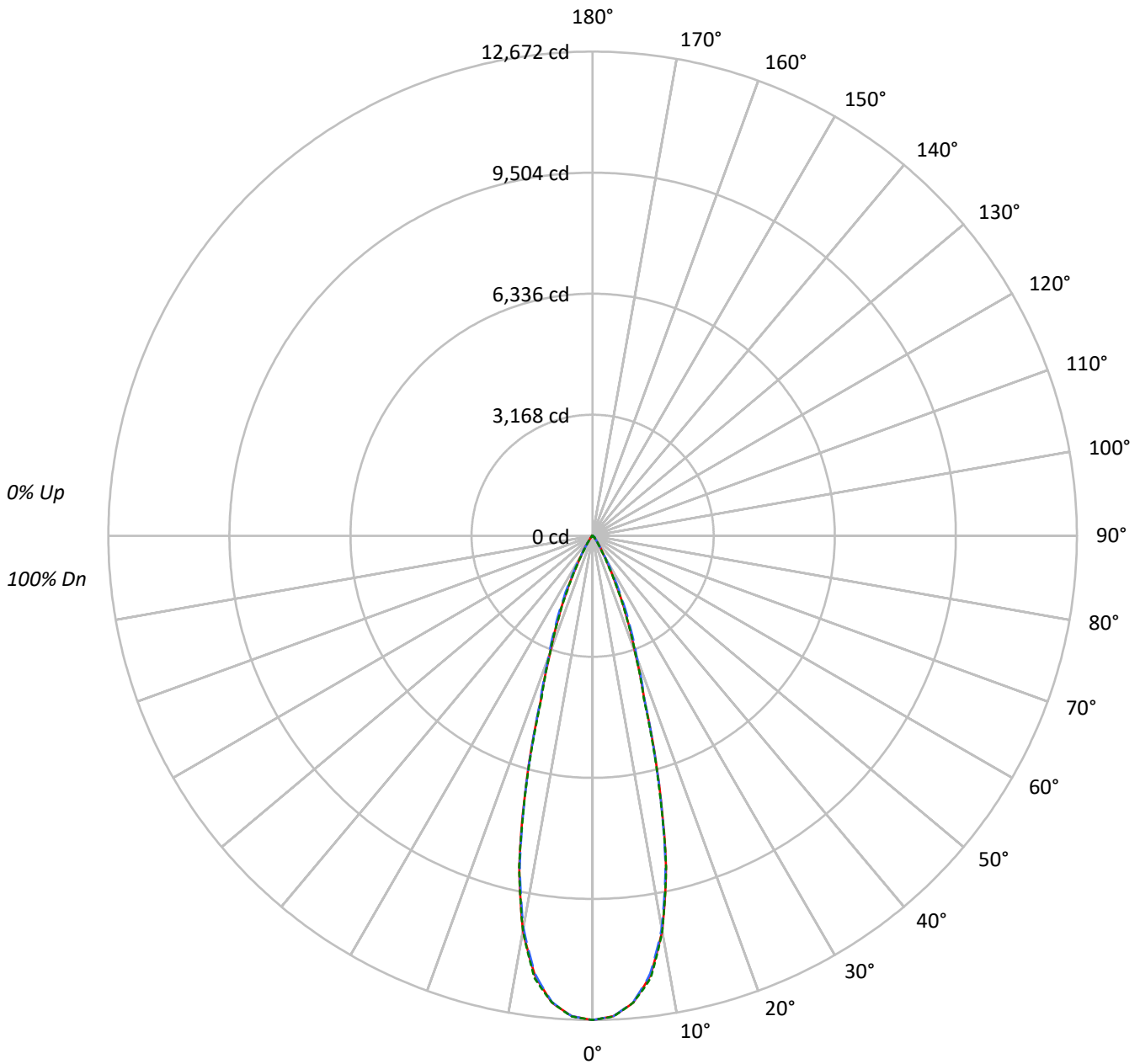


Downlight

TEST NUMBER: P792314

CATALOG NUMBER: LER6D40BD010-EC6DR3040509035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P792314

CATALOG NUMBER: LER6D40BD010-EC6DR3040509035-6LBDP1MW

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°	969935	969935	969935
5°	942091	940992	942137
10°	815995	810236	815801
15°	532398	529537	526875
20°	264731	274669	264381
25°	133356	150383	130620
30°	53393	58175	46517
35°	24762	23716	19885
40°	10691	11871	10072
45°	7545	9364	7610
50°	2596	6811	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: P792314

CATALOG NUMBER: LER6D40BD010-EC6DR3040509035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1114.3	28.3
10°-20°	1794.6	45.5
20°-30°	775.5	19.7
30°-40°	176.8	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°	3684.3	93.5
0°-40°	3861.1	98.0
0°-60°	3936.6	99.9
0°-90°	3940.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12672	12672	12672	12672	12672	
5°	12261	12249	12247	12272	12262	1115
15°	6718	6638	6682	6661	6649	1799
25°	1579	1639	1781	1597	1547	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	



TEST NUMBER: P792314

CATALOG NUMBER: LER6D40BD010-EC6DR3040509035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12671.7	12671.7	12671.7	12671.7	12671.7
2.5°	12587.7	12579.0	12584.0	12590.2	12592.7
5°	12261.1	12249.2	12246.8	12272.3	12261.7
7.5°	11602.2	11585.4	11559.9	11617.8	11671.9
10°	10498.6	10479.9	10424.5	10451.9	10496.1
12.5°	8869.2	8808.8	8807.6	8894.7	8882.9
15°	6718.5	6637.6	6682.4	6660.6	6648.8
17.5°	4518.0	4486.8	4546.6	4528.5	4450.8
20°	3250.0	3258.1	3372.0	3314.7	3245.7
22.5°	2371.6	2400.8	2535.8	2388.4	2334.3
25°	1579.0	1638.7	1780.6	1597.0	1546.6
27.5°	971.2	998.5	1142.2	958.7	931.3
30°	604.1	590.4	658.2	564.9	526.3
32.5°	396.3	378.9	400.7	359.6	328.5
35°	265.0	270.6	253.8	252.0	212.8
37.5°	165.5	190.4	168.0	179.2	136.9
40°	107.0	138.1	118.8	131.3	100.8
42.5°	87.7	106.4	97.7	103.9	89.6
45°	69.7	86.5	86.5	86.5	70.3
47.5°	38.6	57.9	74.0	59.1	41.1
50°	21.8	29.2	57.2	30.5	23.0
52.5°	14.9	16.8	39.2	17.4	15.6
55°	11.2	11.8	21.2	12.4	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)