

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: P793302

Luminaire Tested: LER6D50D010-EC6DR3540509024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR3540509024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4716.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

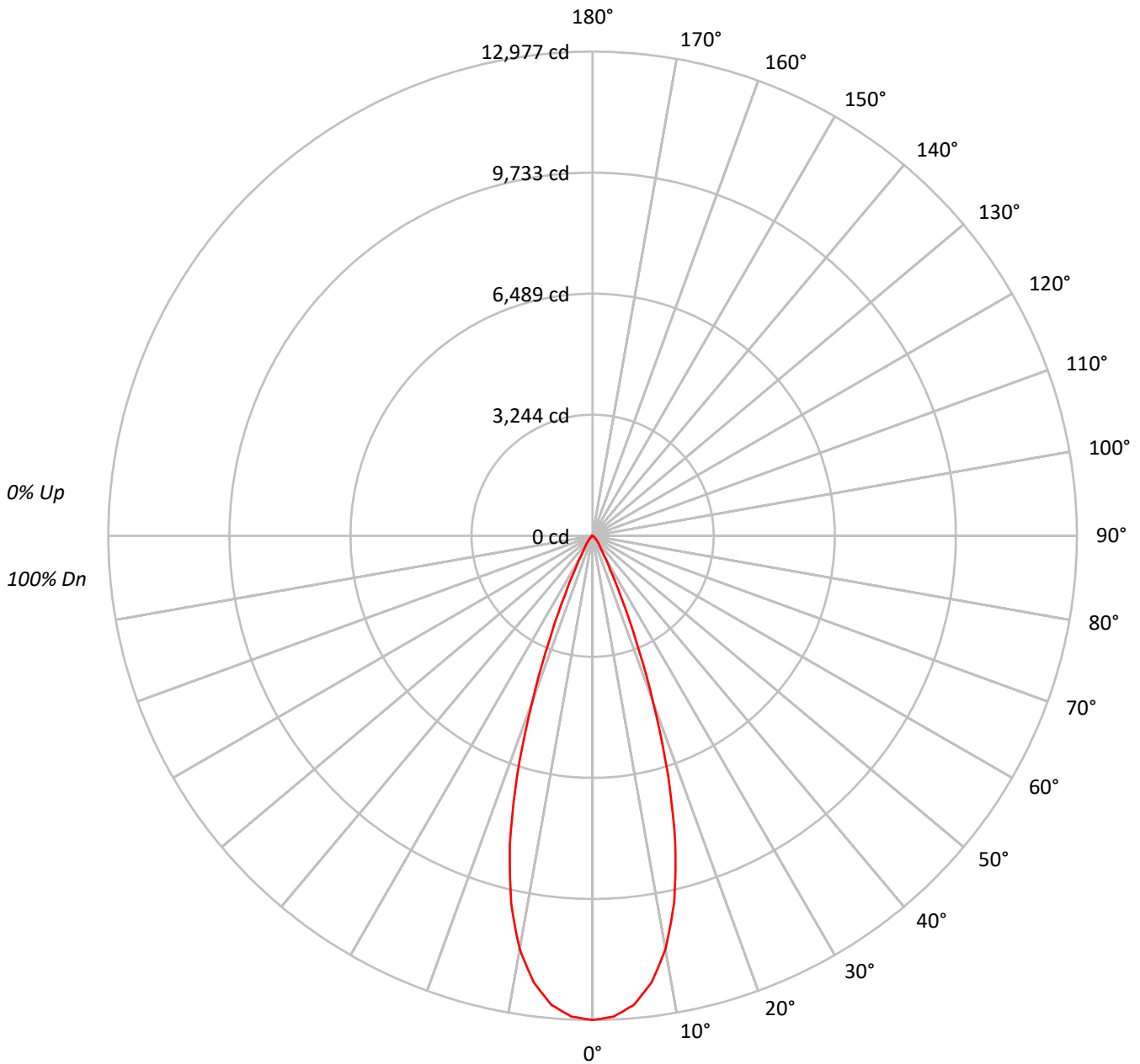


Downlight

TEST NUMBER: P793302

CATALOG NUMBER: LER6D50D010-EC6DR3540509024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P793302

CATALOG NUMBER: LER6D50D010-EC6DR3540509024-6LBS1MW

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				100															
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96				96															
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88				88															
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84															
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81				81															
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78				78															
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75				75															
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72				72															
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70				70															
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				68															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1417921
5°	1384609
10°	1247902
15°	968570
20°	549354
25°	213722
30°	79735
35°	43710
40°	28569
45°	17383
50°	11066
55°	7810
60°	5725
65°	3102
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17383 cd/sqm



TEST NUMBER: P793302

CATALOG NUMBER: LER6D50D010-EC6DR3540509024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1161.1	24.6
10°-20°	2266.9	48.1
20°-30°	924.5	19.6
30°-40°	221.3	4.7
40°-50°	92.2	2.0
50°-60°	38.2	0.8
60°-70°	11.9	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4352.5	92.3
0°-40°	4573.7	97.0
0°-60°	4704.1	99.7
0°-90°	4716.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4716.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12977	
5°	12624	###
15°	8563	2267
25°	1773	925
35°	328	221
45°	112	92
55°	41	38
65°	12	12
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P793302

CATALOG NUMBER: LER6D50D010-EC6DR3540509024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	12977.4
2.5°	12899.6
5°	12624.3
7.5°	12075.1
10°	11247.8
12.5°	10082.9
15°	8562.7
17.5°	6703.5
20°	4724.7
22.5°	3012.8
25°	1772.8
27.5°	1002.1
30°	632.0
32.5°	443.7
35°	327.7
37.5°	253.4
40°	200.3
42.5°	154.3
45°	112.5
47.5°	84.2
50°	65.1
52.5°	51.7
55°	41.0
57.5°	33.3
60°	26.2
62.5°	19.1
65°	12.0
67.5°	4.2
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.7
85°	0.0
87.5°	0.0
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)