

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: P772723

Luminaire Tested: LD6D85BD010-EU6DR3570959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772723
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: LD6D85BD010-EU6DR3570959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9834.3 lumens
Efficiency: N/A
Efficacy: 112.1 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): 87.7
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

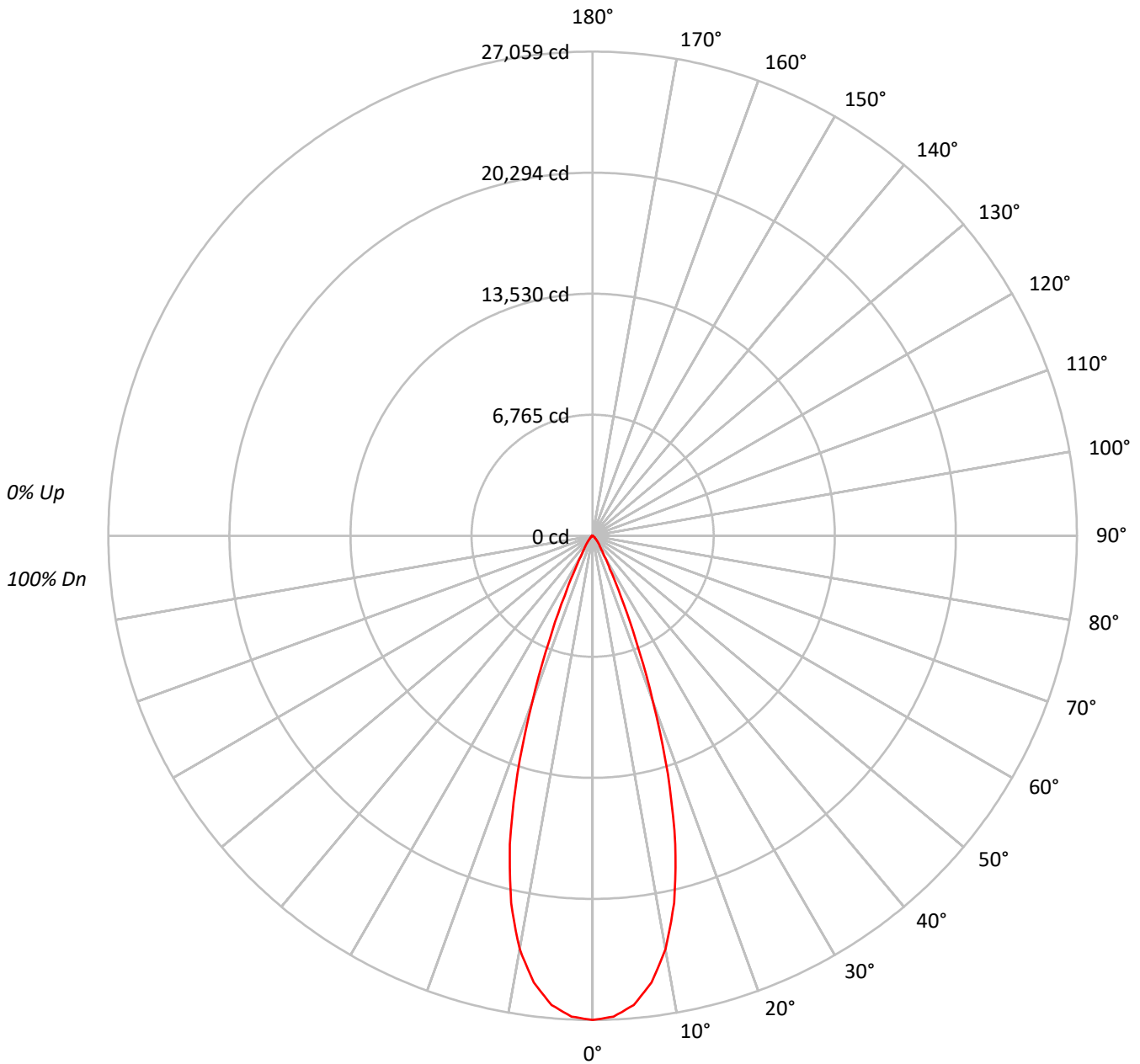


Downlight

TEST NUMBER: P772723

CATALOG NUMBER: LD6D85BD010-EU6DR3570959030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P772723

CATALOG NUMBER: LD6D85BD010-EU6DR3570959030-6LBS1MW

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°	2956476
5°	2887002
10°	2601956
15°	2019534
20°	1145451
25°	445635
30°	166246
35°	91127
40°	59562
45°	36250
50°	23083
55°	16306
60°	11931
65°	6489
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36250 cd/sqm



TEST NUMBER: P772723

CATALOG NUMBER: LD6D85BD010-EU6DR3570959030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2420.9	24.6
10°-20°	4726.6	48.1
20°-30°	1927.7	19.6
30°-40°	461.3	4.7
40°-50°	192.2	2.0
50°-60°	79.6	0.8
60°-70°	24.9	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9075.2	92.3
0°-40°	9536.5	97.0
0°-60°	9808.4	99.7
0°-90°	9834.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9834.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27059	
5°	26322	###
15°	17854	4727
25°	3696	1928
35°	683	461
45°	235	192
55°	86	80
65°	25	25
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P772723

CATALOG NUMBER: LD6D85BD010-EU6DR3570959030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	27058.9
2.5°	26896.6
5°	26322.5
7.5°	25177.4
10°	23452.4
12.5°	21023.5
15°	17853.8
17.5°	13977.3
20°	9851.4
22.5°	6281.8
25°	3696.5
27.5°	2089.5
30°	1317.7
32.5°	925.2
35°	683.2
37.5°	528.3
40°	417.6
42.5°	321.7
45°	234.6
47.5°	175.6
50°	135.8
52.5°	107.7
55°	85.6
57.5°	69.4
60°	54.6
62.5°	39.8
65°	25.1
67.5°	8.9
70°	1.5
72.5°	1.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.5
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)