

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: P772794

Luminaire Tested: LD6D85BD010-EU6DR4070959030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR4070959030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9572.8 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

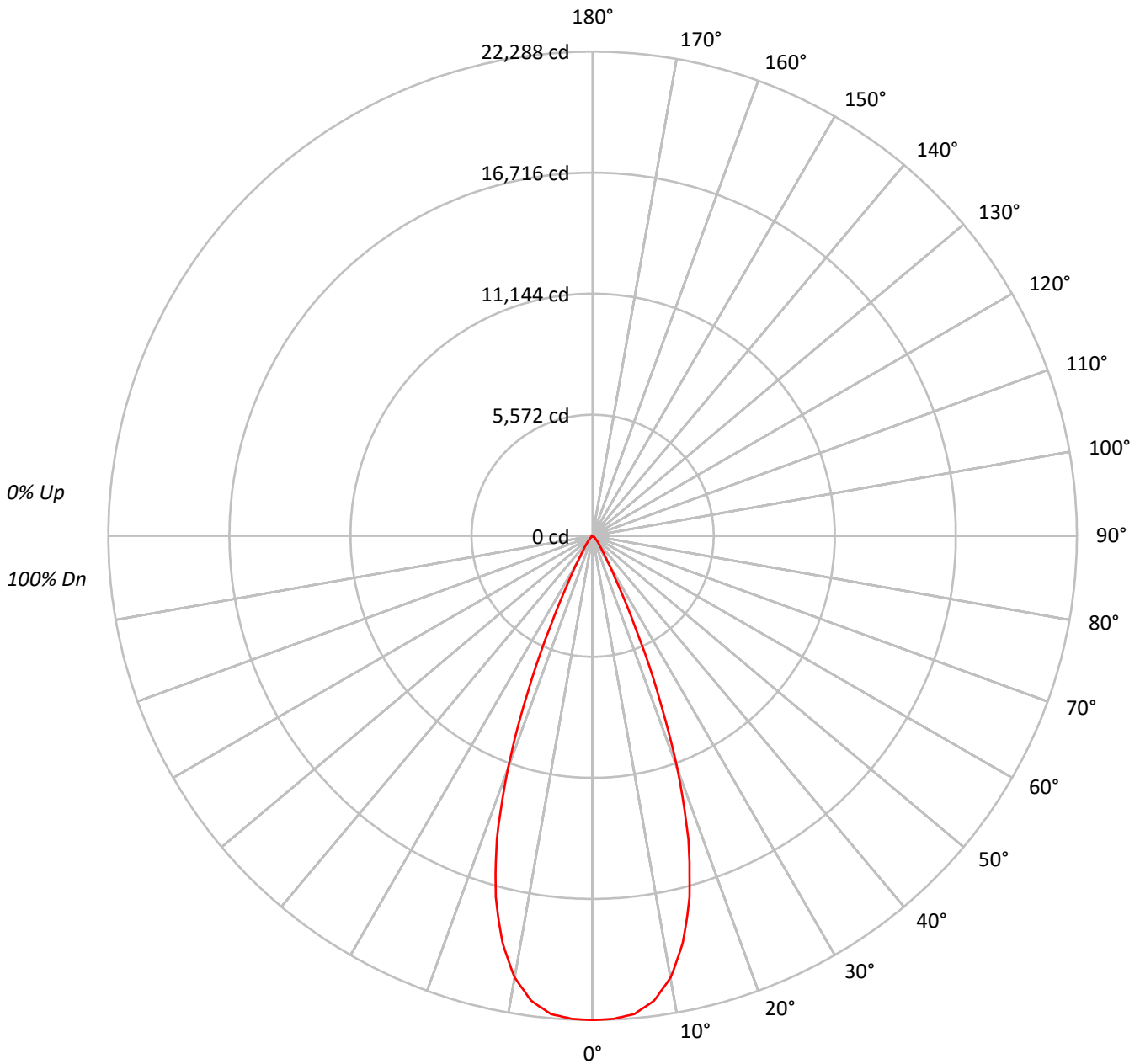


Downlight

TEST NUMBER: P772794

CATALOG NUMBER: LD6D85BD010-EU6DR4070959030-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P772794

CATALOG NUMBER: LD6D85BD010-EU6DR4070959030-6LBDP1B

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	97	96				96															
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88				88															
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84				84															
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81				81															
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77				77															
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74				74															
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72				72															
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69				69															
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67				67															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2435215
5°	2423382
10°	2290619
15°	1947321
20°	1327243
25°	553786
30°	174118
35°	80923
40°	44757
45°	20520
50°	9961
55°	5448
60°	2841
65°	1008
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20520 cd/sqm



TEST NUMBER: P772794

CATALOG NUMBER: LD6D85BD010-EU6DR4070959030-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2063.1	21.6
10°-20°	4622.0	48.3
20°-30°	2313.6	24.2
30°-40°	424.1	4.4
40°-50°	117.0	1.2
50°-60°	27.5	0.3
60°-70°	5.3	0.1
70°-80°	0.2	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°	8998.8	94.0
0°-40°	9422.9	98.4
0°-60°	9567.4	99.9
0°-90°	9572.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9572.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22288	
5°	22095	###
15°	17215	4622
25°	4594	2314
35°	607	424
45°	133	117
55°	29	27
65°	4	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P772794

CATALOG NUMBER: LD6D85BD010-EU6DR4070959030-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	22288.1
2.5°	22255.5
5°	22095.4
7.5°	21585.0
10°	20646.2
12.5°	19182.8
15°	17215.4
17.5°	14656.9
20°	11414.9
22.5°	7782.2
25°	4593.6
27.5°	2428.3
30°	1380.1
32.5°	891.9
35°	606.7
37.5°	433.6
40°	313.8
42.5°	214.8
45°	132.8
47.5°	84.6
50°	58.6
52.5°	41.7
55°	28.6
57.5°	18.2
60°	13.0
62.5°	7.8
65°	3.9
67.5°	2.6
70°	1.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)