

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: P772575

Luminaire Tested: LD6D85BD010-EU6DR2570959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR2570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9755.1 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

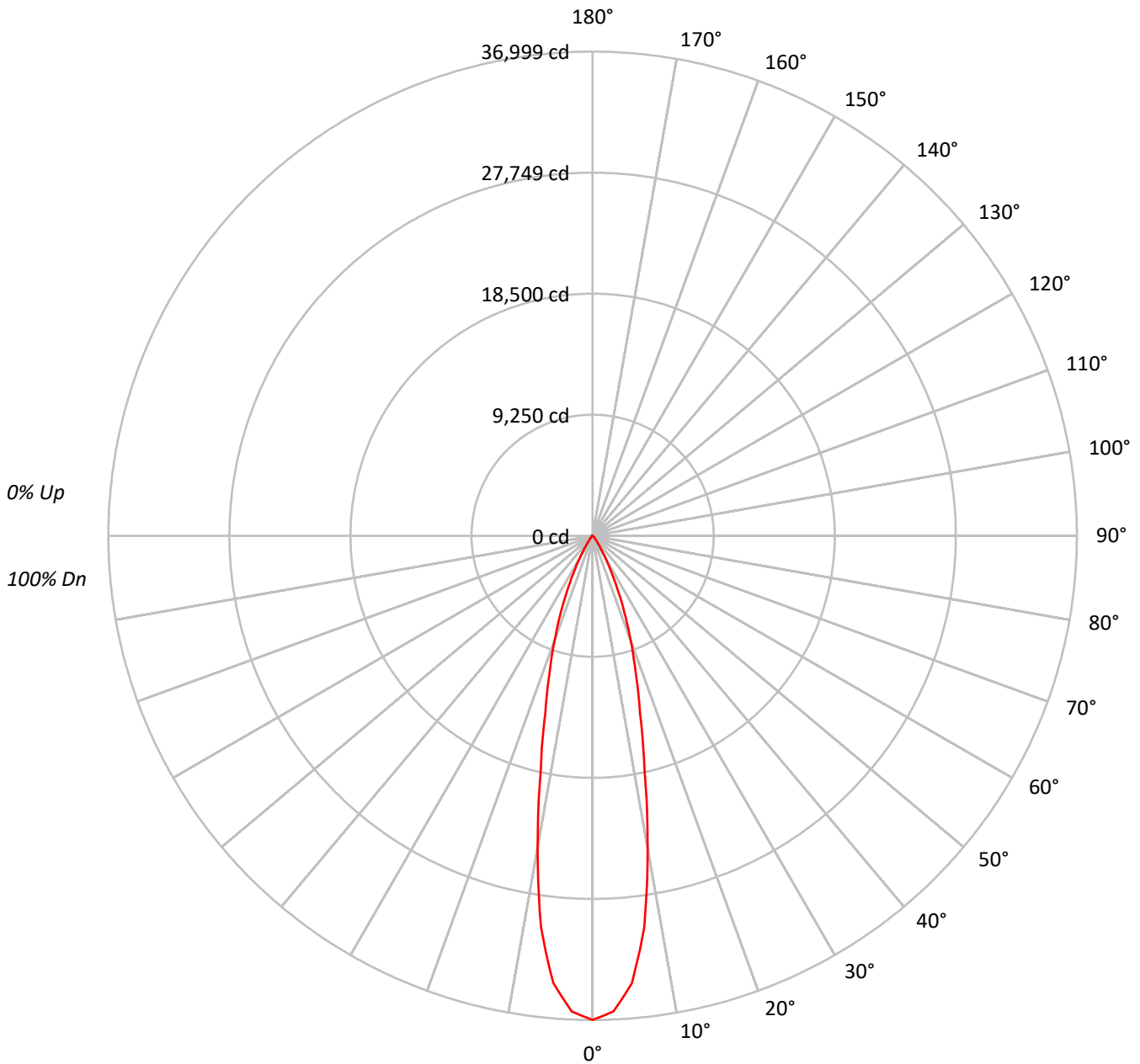
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772575
CATALOG NUMBER: LD6D85BD010-EU6DR2570959035-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P772575

CATALOG NUMBER: LD6D85BD010-EU6DR2570959035-6LBDP1LI

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	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4042528
5°	3765107
10°	2685754
15°	1581801
20°	984215
25°	540139
30°	247015
35°	93555
40°	42361
45°	25465
50°	10573
55°	6820
60°	4764
65°	3206
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25465 cd/sqm



TEST NUMBER: P772575

CATALOG NUMBER: LD6D85BD010-EU6DR2570959035-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2950.3	30.2
10°-20°	3995.9	41.0
20°-30°	2114.6	21.7
30°-40°	522.0	5.4
40°-50°	127.3	1.3
50°-60°	33.5	0.3
60°-70°	11.3	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°	9060.8	92.9
0°-40°	9582.8	98.2
0°-60°	9743.6	99.9
0°-90°	9755.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9755.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	36999	
5°	34329	###
15°	13984	3996
25°	4480	2115
35°	701	522
45°	165	127
55°	36	34
65°	12	11
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P772575

CATALOG NUMBER: LD6D85BD010-EU6DR2570959035-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	36998.9
2.5°	36390.8
5°	34328.7
7.5°	30185.7
10°	24207.7
12.5°	18299.6
15°	13984.0
17.5°	10898.6
20°	8464.7
22.5°	6348.2
25°	4480.4
27.5°	3004.6
30°	1957.9
32.5°	1191.3
35°	701.4
37.5°	429.2
40°	297.0
42.5°	227.1
45°	164.8
47.5°	99.5
50°	62.2
52.5°	45.1
55°	35.8
57.5°	28.0
60°	21.8
62.5°	17.1
65°	12.4
67.5°	4.7
70°	1.6
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)