

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: P773250

Luminaire Tested: LD6D85BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10081.6 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

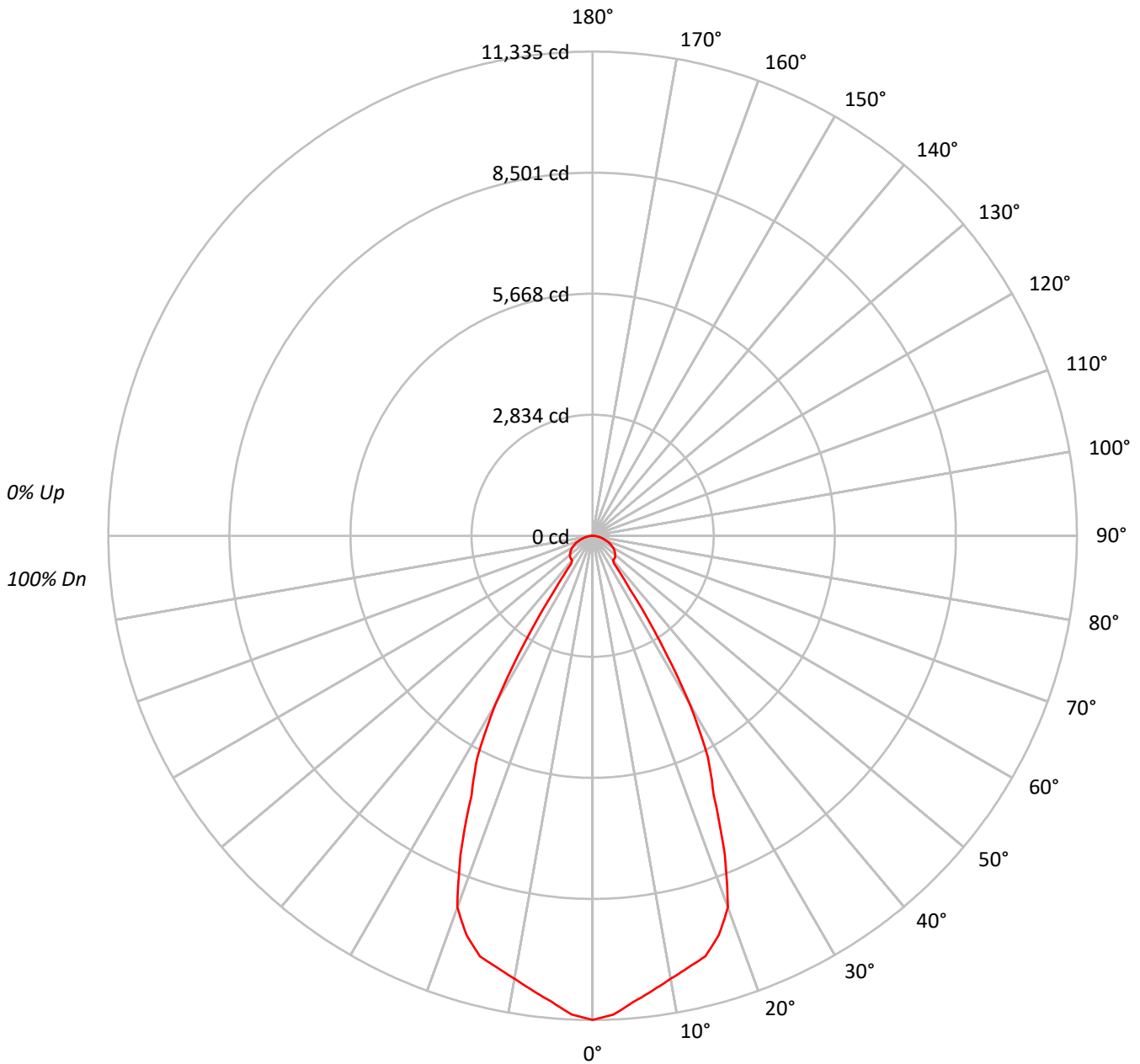
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773250
CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P773250

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBDP1H

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1238427
5°	1201633
10°	1168142
15°	1152812
20°	1076489
25°	808713
30°	571684
35°	202502
40°	106487
45°	113416
50°	117439
55°	119647
60°	120383
65°	117839
70°	111235
75°	103047
80°	91487
85°	74215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 120425 cd/sqm



TEST NUMBER: P773250

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.4	10.3
10°-20°	2834.5	28.1
20°-30°	3121.8	31.0
30°-40°	1192.8	11.8
40°-50°	563.2	5.6
50°-60°	559.9	5.6
60°-70°	448.3	4.4
70°-80°	257.7	2.6
80°-90°	70.0	0.7
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°	6989.8	69.3
0°-40°	8182.5	81.2
0°-60°	9305.6	92.3
0°-90°	10081.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10081.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11335	
5°	10956	###
15°	10192	2835
25°	6708	3122
35°	1518	1193
45°	734	563
55°	628	560
65°	456	448
75°	244	258
85°	59	70
90°	0	



TEST NUMBER: P773250

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	11334.6
2.5°	11216.2
5°	10956.0
7.5°	10738.8
10°	10528.9
12.5°	10351.2
15°	10191.5
17.5°	9805.7
20°	9258.3
22.5°	8077.5
25°	6708.2
27.5°	5839.6
30°	4531.3
32.5°	2927.0
35°	1518.2
37.5°	820.1
40°	746.6
42.5°	741.2
45°	734.0
47.5°	717.8
50°	690.9
52.5°	660.4
55°	628.1
57.5°	592.2
60°	550.9
62.5°	504.3
65°	455.8
67.5°	402.0
70°	348.2
72.5°	294.3
75°	244.1
77.5°	192.0
80°	145.4
82.5°	102.3
85°	59.2
87.5°	23.3
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)