

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: P773211

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9537.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

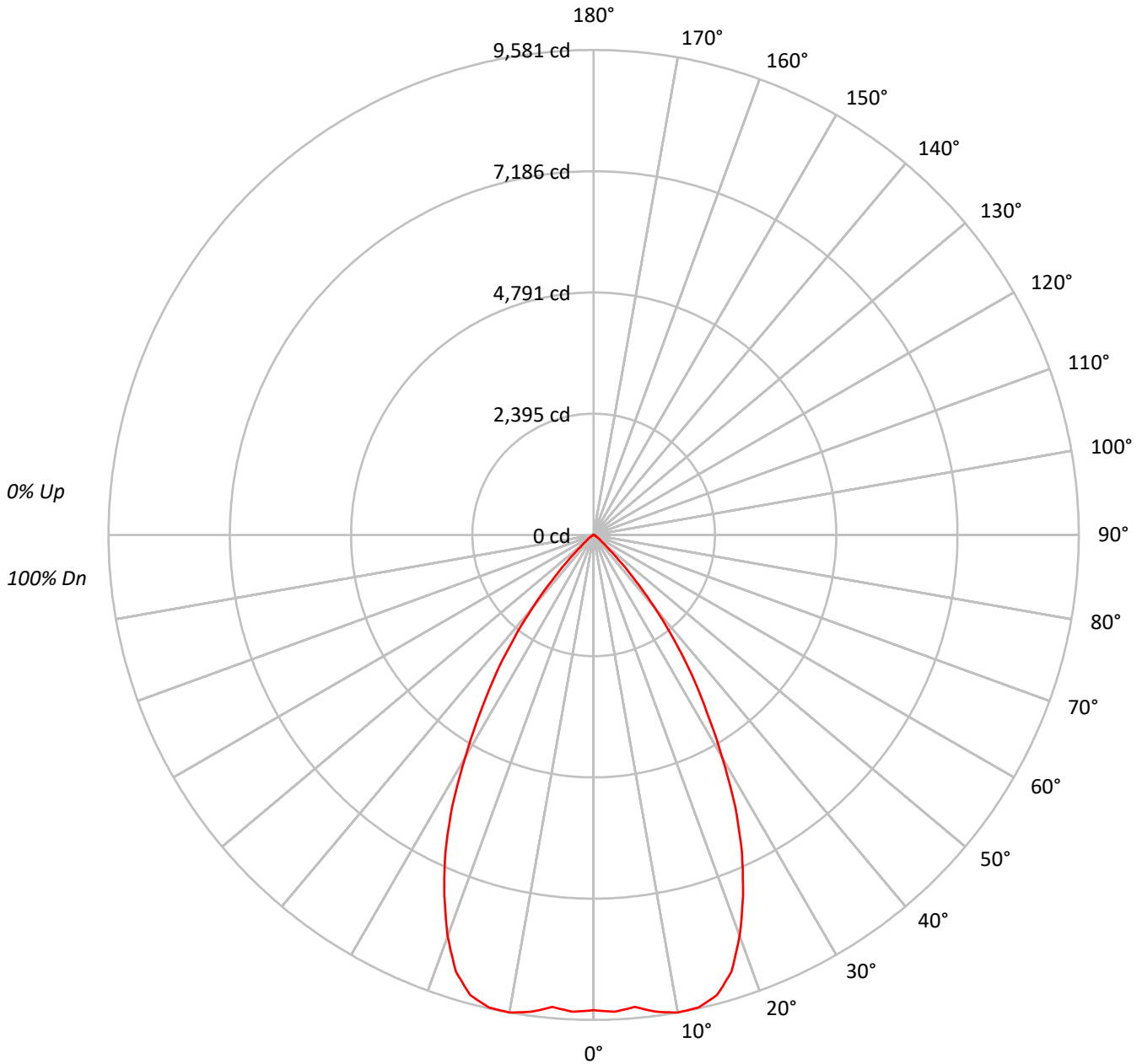


Downlight

TEST NUMBER: P773211

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P773211

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBDP1H

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1025948
5°	1026796
10°	1062943
15°	1064707
20°	980238
25°	835211
30°	639384
35°	451714
40°	266632
45°	108240
50°	39231
55°	21868
60°	12543
65°	6903
70°	7252
75°	5615
80°	5852
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 108240 cd/sqm



TEST NUMBER: P773211

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.2	9.5
10°-20°	2608.1	27.3
20°-30°	3129.2	32.8
30°-40°	2102.9	22.1
40°-50°	629.5	6.6
50°-60°	111.1	1.2
60°-70°	31.6	0.3
70°-80°	15.5	0.2
80°-90°	4.9	0.1
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°	6641.5	69.6
0°-40°	8744.4	91.7
0°-60°	9485.0	99.5
0°-90°	9537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9537.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9390	
5°	9362	904
15°	9413	2608
25°	6928	3129
35°	3387	2103
45°	700	630
55°	115	111
65°	27	32
75°	13	15
85°	4	5
90°	0	



TEST NUMBER: P773211

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	9389.9
2.5°	9429.9
5°	9361.9
7.5°	9503.3
10°	9580.7
12.5°	9562.0
15°	9412.6
17.5°	9046.9
20°	8430.5
22.5°	7704.6
25°	6928.0
27.5°	6051.3
30°	5067.9
32.5°	4176.5
35°	3386.6
37.5°	2606.0
40°	1869.4
42.5°	1220.9
45°	700.5
47.5°	371.0
50°	230.8
52.5°	160.1
55°	114.8
57.5°	82.7
60°	57.4
62.5°	37.4
65°	26.7
67.5°	24.0
70°	22.7
72.5°	17.3
75°	13.3
77.5°	12.0
80°	9.3
82.5°	6.7
85°	4.0
87.5°	2.7
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)