

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: P770754

Luminaire Tested: LD6D70BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7857.2 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

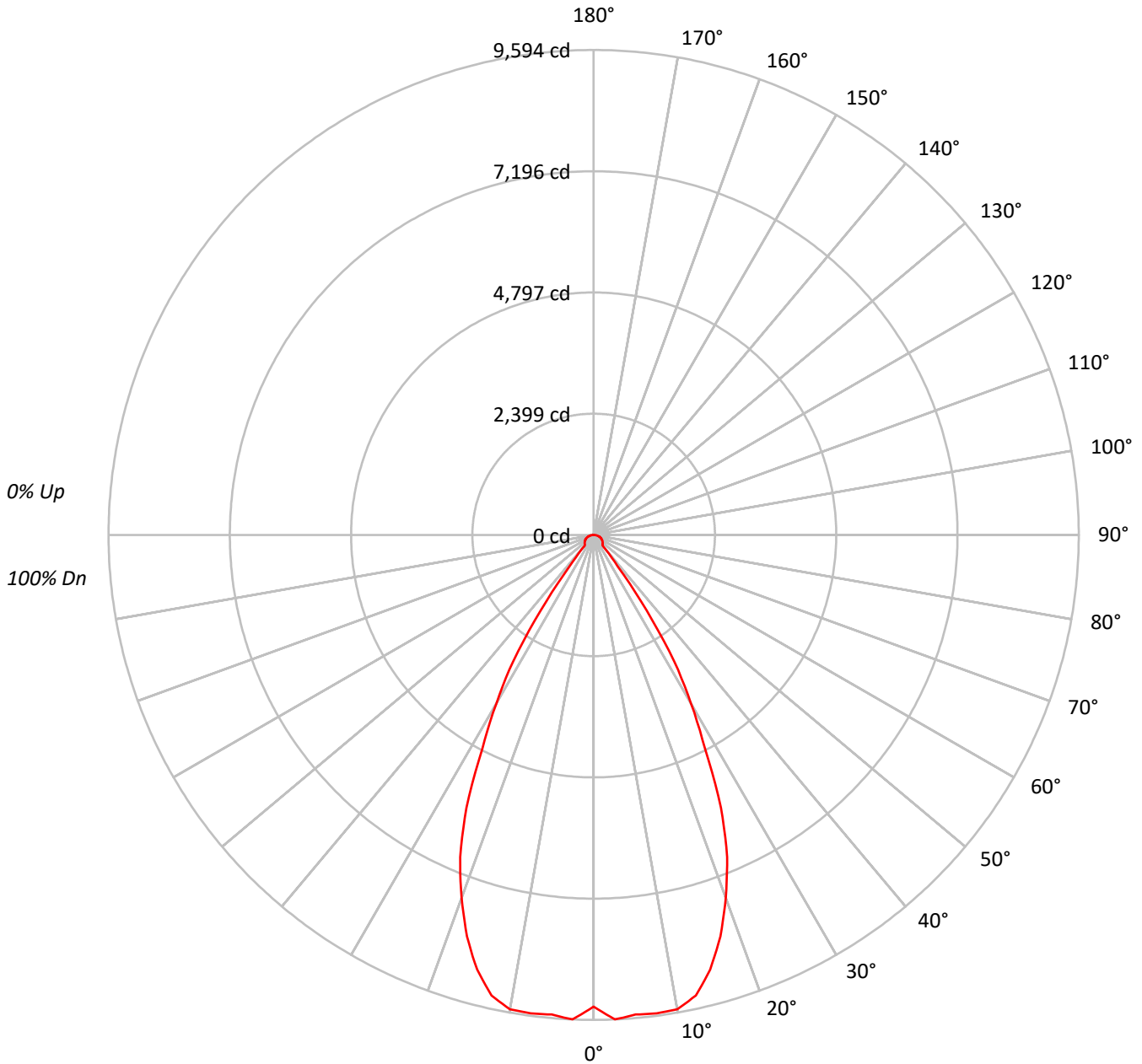
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P770754
CATALOG NUMBER: LD6D70BD010-EU6DR6070959027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P770754

CATALOG NUMBER: LD6D70BD010-EU6DR6070959027-6LBDP1H

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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1019556
5°	1044629
10°	1057240
15°	1007165
20°	888011
25°	718248
30°	485830
35°	243450
40°	39494
45°	38660
50°	39418
55°	40022
60°	41126
65°	42063
70°	43063
75°	43566
80°	42031
85°	34976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 43566 cd/sqm



TEST NUMBER: P770754

CATALOG NUMBER: LD6D70BD010-EU6DR6070959027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	910.3	11.6
10°-20°	2462.9	31.3
20°-30°	2649.8	33.7
30°-40°	1151.8	14.7
40°-50°	193.5	2.5
50°-60°	188.1	2.4
60°-70°	160.9	2.0
70°-80°	107.6	1.4
80°-90°	32.2	0.4
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°	6023.0	76.7
0°-40°	7174.9	91.3
0°-60°	7556.4	96.2
0°-90°	7857.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7857.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9331	
5°	9524	910
15°	8904	2463
25°	5958	2650
35°	1825	1152
45°	250	193
55°	210	188
65°	163	161
75°	103	108
85°	28	32
90°	0	



TEST NUMBER: P770754

CATALOG NUMBER: LD6D70BD010-EU6DR6070959027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	9331.4
2.5°	9593.7
5°	9524.5
7.5°	9546.3
10°	9529.3
12.5°	9332.6
15°	8903.9
17.5°	8328.3
20°	7637.3
22.5°	6897.7
25°	5957.8
27.5°	4765.3
30°	3850.8
32.5°	2968.0
35°	1825.2
37.5°	780.9
40°	276.9
42.5°	255.0
45°	250.2
47.5°	241.7
50°	231.9
52.5°	221.0
55°	210.1
57.5°	199.2
60°	188.2
62.5°	176.1
65°	162.7
67.5°	149.4
70°	134.8
72.5°	119.0
75°	103.2
77.5°	85.0
80°	66.8
82.5°	47.4
85°	27.9
87.5°	9.7
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)