

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: P770630

Luminaire Tested: LD6D70BD010-EU6DR5070959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR5070959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8461.1 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

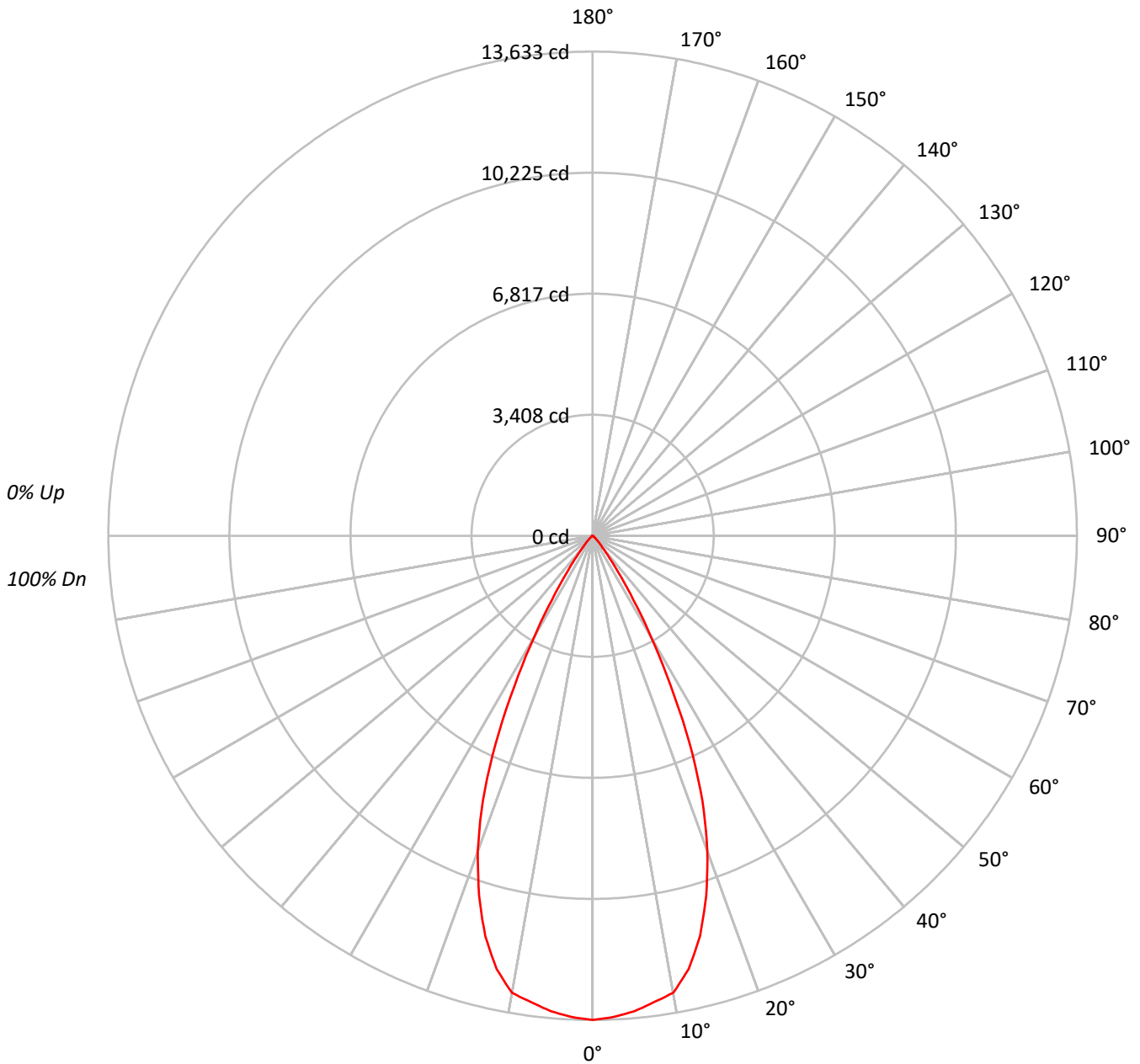


Downlight

TEST NUMBER: P770630

CATALOG NUMBER: LD6D70BD010-EU6DR5070959035-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P770630

CATALOG NUMBER: LD6D70BD010-EU6DR5070959035-6LBS1MW

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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76						76													
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72						72													
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65						65													
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62						62													
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59						59													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1489552
5°	1473931
10°	1449657
15°	1320030
20°	1098418
25°	779707
30°	412706
35°	168182
40°	62458
45°	28601
50°	11729
55°	6134
60°	3016
65°	879
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28601 cd/sqm



TEST NUMBER: P770630

CATALOG NUMBER: LD6D70BD010-EU6DR5070959035-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1270.2	15.0
10°-20°	3210.1	37.9
20°-30°	2883.5	34.1
30°-40°	902.8	10.7
40°-50°	158.1	1.9
50°-60°	31.5	0.4
60°-70°	4.7	0.1
70°-80°	0.0	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°	7363.9	87.0
0°-40°	8266.7	97.7
0°-60°	8456.3	99.9
0°-90°	8461.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8461.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13633	
5°	13439	###
15°	11670	3210
25°	6468	2884
35°	1261	903
45°	185	158
55°	32	32
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770630

CATALOG NUMBER: LD6D70BD010-EU6DR5070959035-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	13633.0
2.5°	13565.2
5°	13438.7
7.5°	13245.6
10°	13066.3
12.5°	12491.6
15°	11669.8
17.5°	10626.2
20°	9446.9
22.5°	8082.5
25°	6467.6
27.5°	4755.0
30°	3271.2
32.5°	2129.8
35°	1260.9
37.5°	724.1
40°	437.9
42.5°	285.1
45°	185.1
47.5°	112.6
50°	69.0
52.5°	47.1
55°	32.2
57.5°	21.8
60°	13.8
62.5°	8.0
65°	3.4
67.5°	1.1
70°	0.0
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)