

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: P771730

Luminaire Tested: LD6D75BD010-EU6DR7070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771730
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: LD6D75BD010-EU6DR7070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9564.5 lumens
Efficiency: N/A
Efficacy: 132.1 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

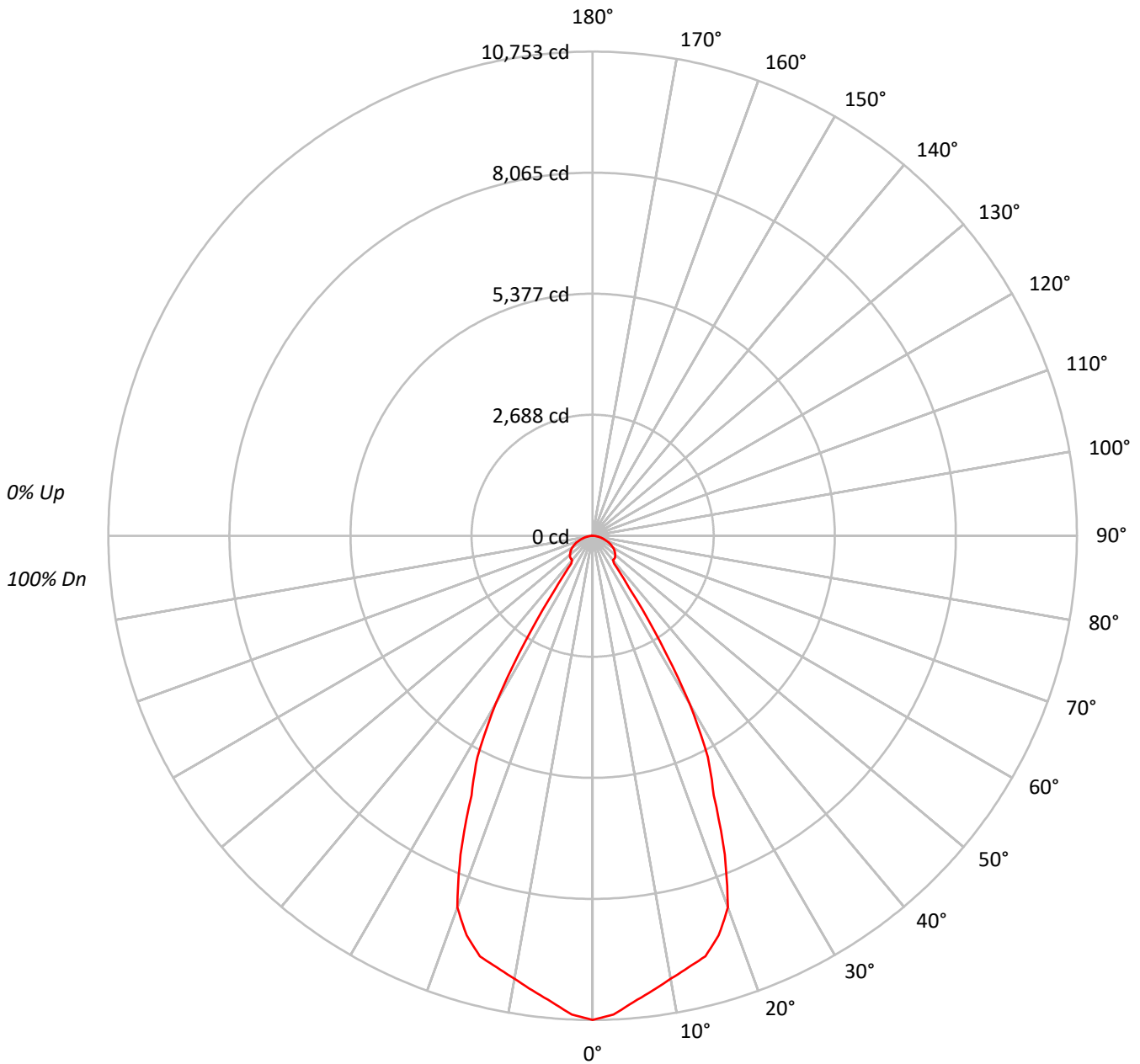
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P771730
CATALOG NUMBER: LD6D75BD010-EU6DR7070959040-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P771730

CATALOG NUMBER: LD6D75BD010-EU6DR7070959040-6LBDP1LI

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°	1174914
5°	1140005
10°	1108231
15°	1093687
20°	1021283
25°	767230
30°	542364
35°	192125
40°	101025
45°	107591
50°	111422
55°	113513
60°	114221
65°	111790
70°	105517
75°	97728
80°	86768
85°	70454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 114243 cd/sqm



TEST NUMBER: P771730

CATALOG NUMBER: LD6D75BD010-EU6DR7070959040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.4	10.3
10°-20°	2689.2	28.1
20°-30°	2961.7	31.0
30°-40°	1131.6	11.8
40°-50°	534.3	5.6
50°-60°	531.2	5.6
60°-70°	425.3	4.4
70°-80°	244.4	2.6
80°-90°	66.4	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°	6631.3	69.3
0°-40°	7762.9	81.2
0°-60°	8828.4	92.3
0°-90°	9564.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9564.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10753	
5°	10394	980
15°	9669	2689
25°	6364	2962
35°	1440	1132
45°	696	534
55°	596	531
65°	432	425
75°	232	244
85°	56	66
90°	0	



TEST NUMBER: P771730

CATALOG NUMBER: LD6D75BD010-EU6DR7070959040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	10753.3
2.5°	10640.9
5°	10394.1
7.5°	10188.1
10°	9988.9
12.5°	9820.3
15°	9668.8
17.5°	9302.7
20°	8783.5
22.5°	7663.2
25°	6364.1
27.5°	5540.1
30°	4298.9
32.5°	2776.9
35°	1440.4
37.5°	778.1
40°	708.3
42.5°	703.2
45°	696.3
47.5°	681.0
50°	655.5
52.5°	626.5
55°	595.9
57.5°	561.8
60°	522.7
62.5°	478.4
65°	432.4
67.5°	381.4
70°	330.3
72.5°	279.2
75°	231.5
77.5°	182.2
80°	137.9
82.5°	97.0
85°	56.2
87.5°	22.1
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)