

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: P770155

Luminaire Tested: LD6D65D010-EU6DR7055659035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770155
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: LD6D65D010-EU6DR7055659035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4699.7 lumens
Efficiency: N/A
Efficacy: 64.6 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): 72.8
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

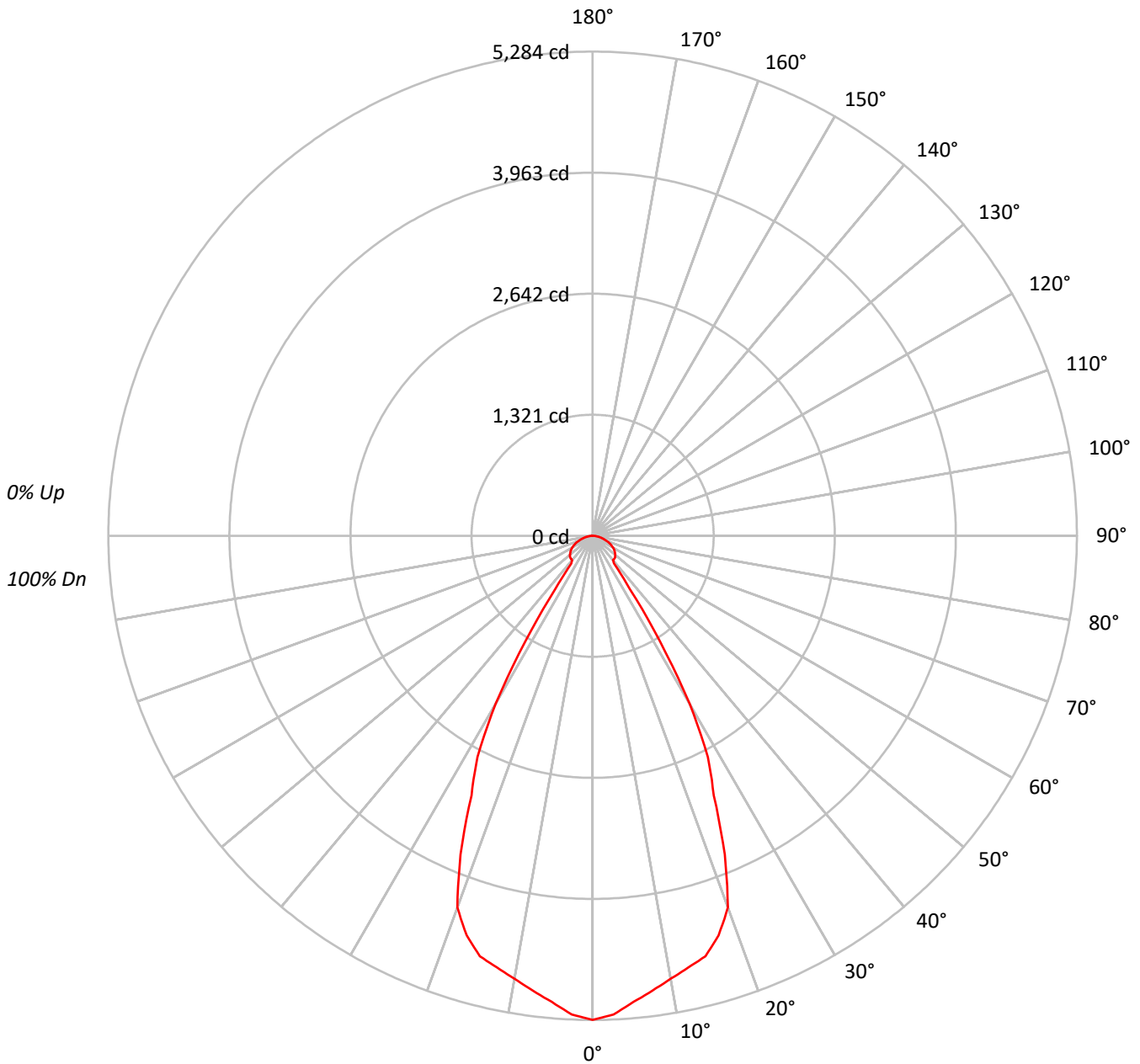


Downlight

TEST NUMBER: P770155

CATALOG NUMBER: LD6D65D010-EU6DR7055659035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P770155

CATALOG NUMBER: LD6D65D010-EU6DR7055659035-6LBDP1B

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°	577301
5°	560148
10°	544535
15°	537387
20°	501810
25°	376990
30°	266495
35°	94395
40°	49635
45°	52876
50°	54750
55°	55776
60°	56116
65°	54938
70°	51848
75°	48041
80°	42660
85°	34600

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 56145 cd/sqm



TEST NUMBER: P770155

CATALOG NUMBER: LD6D65D010-EU6DR7055659035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.7	10.3
10°-20°	1321.3	28.1
20°-30°	1455.3	31.0
30°-40°	556.0	11.8
40°-50°	262.5	5.6
50°-60°	261.0	5.6
60°-70°	209.0	4.4
70°-80°	120.1	2.6
80°-90°	32.7	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°	3258.3	69.3
0°-40°	3814.3	81.2
0°-60°	4337.9	92.3
0°-90°	4699.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4699.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5284	
5°	5107	482
15°	4751	1321
25°	3127	1455
35°	708	556
45°	342	263
55°	293	261
65°	212	209
75°	114	120
85°	28	33
90°	0	



TEST NUMBER: P770155

CATALOG NUMBER: LD6D65D010-EU6DR7055659035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5283.7
2.5°	5228.5
5°	5107.2
7.5°	5006.0
10°	4908.1
12.5°	4825.3
15°	4750.8
17.5°	4571.0
20°	4315.8
22.5°	3765.4
25°	3127.1
27.5°	2722.2
30°	2112.3
32.5°	1364.4
35°	707.7
37.5°	382.3
40°	348.0
42.5°	345.5
45°	342.2
47.5°	334.6
50°	322.1
52.5°	307.9
55°	292.8
57.5°	276.1
60°	256.8
62.5°	235.1
65°	212.5
67.5°	187.4
70°	162.3
72.5°	137.2
75°	113.8
77.5°	89.5
80°	67.8
82.5°	47.7
85°	27.6
87.5°	10.9
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)