

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: P760840

Luminaire Tested: LD6D10D010-EU6DR700210IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760840
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: LD6D10D010-EU6DR700210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 662.2 lumens
Efficiency: N/A
Efficacy: 56.6 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): 11.7
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



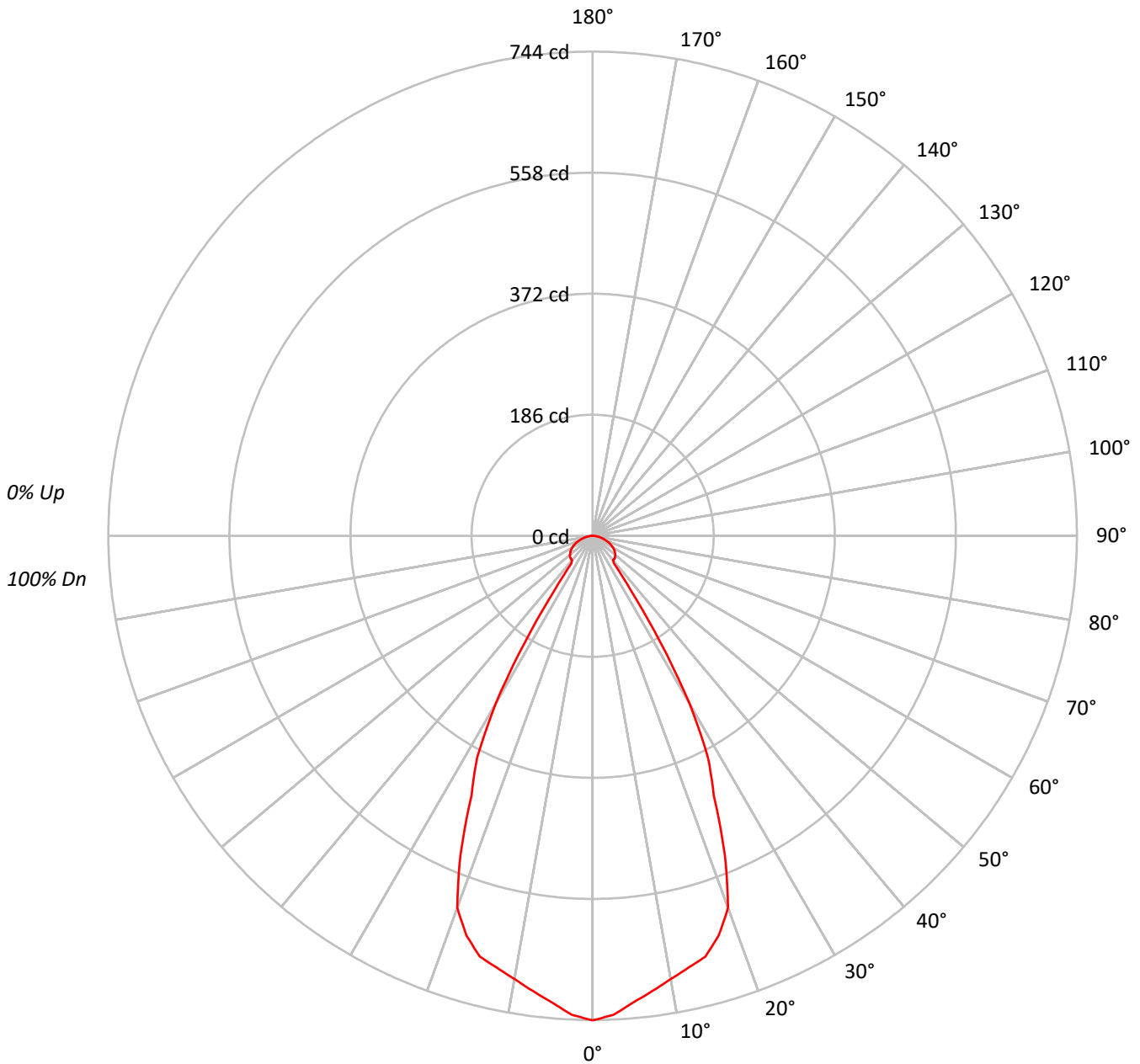
Downlight



TEST NUMBER: P760840

CATALOG NUMBER: LD6D10D010-EU6DR700210IC9040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P760840

CATALOG NUMBER: LD6D10D010-EU6DR700210IC9040-6LBDP1B

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°	81345
5°	78924
10°	76730
15°	75719
20°	70706
25°	53117
30°	37546
35°	13312
40°	6989
45°	7448
50°	7717
55°	7867
60°	7910
65°	7756
70°	7316
75°	6754
80°	6040
85°	4889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 7910 cd/sqm



TEST NUMBER: P760840

CATALOG NUMBER: LD6D10D010-EU6DR700210IC9040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	10.2
10°-20°	186.2	28.1
20°-30°	205.1	31.0
30°-40°	78.4	11.8
40°-50°	37.0	5.6
50°-60°	36.8	5.6
60°-70°	29.5	4.4
70°-80°	16.9	2.6
80°-90°	4.6	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°	459.1	69.3
0°-40°	537.5	81.2
0°-60°	611.3	92.3
0°-90°	662.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	720	68
15°	669	186
25°	441	205
35°	100	78
45°	48	37
55°	41	37
65°	30	29
75°	16	17
85°	4	5
90°	0	



TEST NUMBER: P760840

CATALOG NUMBER: LD6D10D010-EU6DR700210IC9040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	744.5
2.5°	736.7
5°	719.6
7.5°	705.4
10°	691.6
12.5°	679.9
15°	669.4
17.5°	644.1
20°	608.1
22.5°	530.6
25°	440.6
27.5°	383.6
30°	297.6
32.5°	192.3
35°	99.8
37.5°	53.9
40°	49.0
42.5°	48.7
45°	48.2
47.5°	47.2
50°	45.4
52.5°	43.4
55°	41.3
57.5°	38.9
60°	36.2
62.5°	33.1
65°	30.0
67.5°	26.4
70°	22.9
72.5°	19.3
75°	16.0
77.5°	12.6
80°	9.6
82.5°	6.7
85°	3.9
87.5°	1.5
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)