

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: P757710

Luminaire Tested: LD6D02D010-EU6DR650210IC9035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P757710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR650210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 289.3 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (Ain): 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



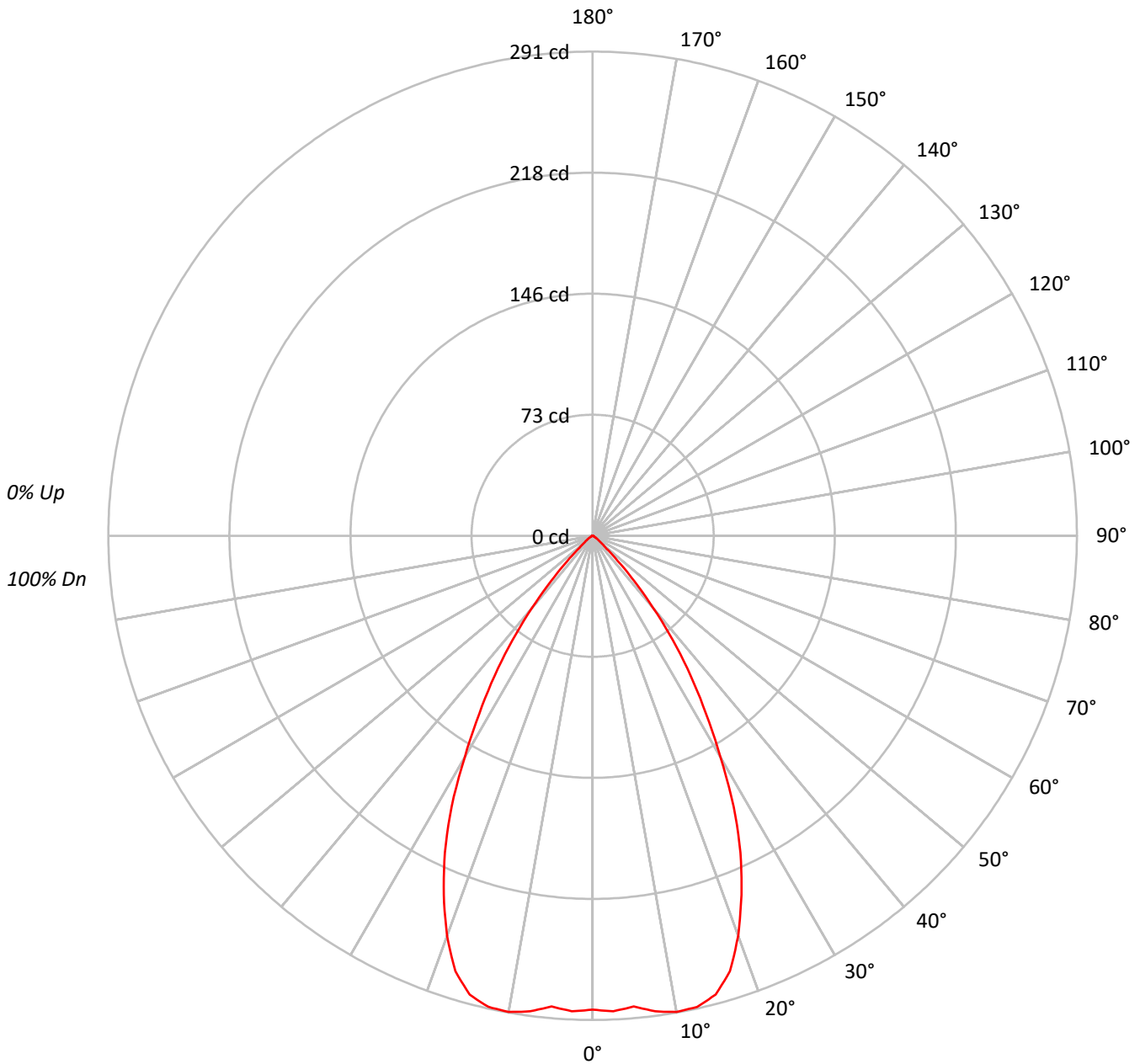
Downlight



TEST NUMBER: P757710

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757710

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9035-6LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31117
5°	31149
10°	32241
15°	32294
20°	29731
25°	25341
30°	19391
35°	13698
40°	8087
45°	3291
50°	1190
55°	667
60°	371
65°	207
70°	224
75°	169
80°	189
85°	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3291 cd/sqm



TEST NUMBER: P757710

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	9.5
10°-20°	79.1	27.3
20°-30°	94.9	32.8
30°-40°	63.8	22.1
40°-50°	19.1	6.6
50°-60°	3.4	1.2
60°-70°	0.9	0.3
70°-80°	0.4	0.2
80°-90°	0.1	0.1
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°	201.5	69.6
0°-40°	265.3	91.7
0°-60°	287.7	99.5
0°-90°	289.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	285	
5°	284	27
15°	286	79
25°	210	95
35°	103	64
45°	21	19
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P757710

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	284.8
2.5°	286.0
5°	284.0
7.5°	288.3
10°	290.6
12.5°	290.0
15°	285.5
17.5°	274.4
20°	255.7
22.5°	233.7
25°	210.2
27.5°	183.6
30°	153.7
32.5°	126.7
35°	102.7
37.5°	79.1
40°	56.7
42.5°	37.0
45°	21.3
47.5°	11.2
50°	7.0
52.5°	4.9
55°	3.5
57.5°	2.5
60°	1.7
62.5°	1.1
65°	0.8
67.5°	0.7
70°	0.7
72.5°	0.5
75°	0.4
77.5°	0.3
80°	0.3
82.5°	0.2
85°	0.1
87.5°	0.1
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)