

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: P758819

Luminaire Tested: LD6D05D010-EU6DR700210IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D05D010-EU6DR700210IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 723.3 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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



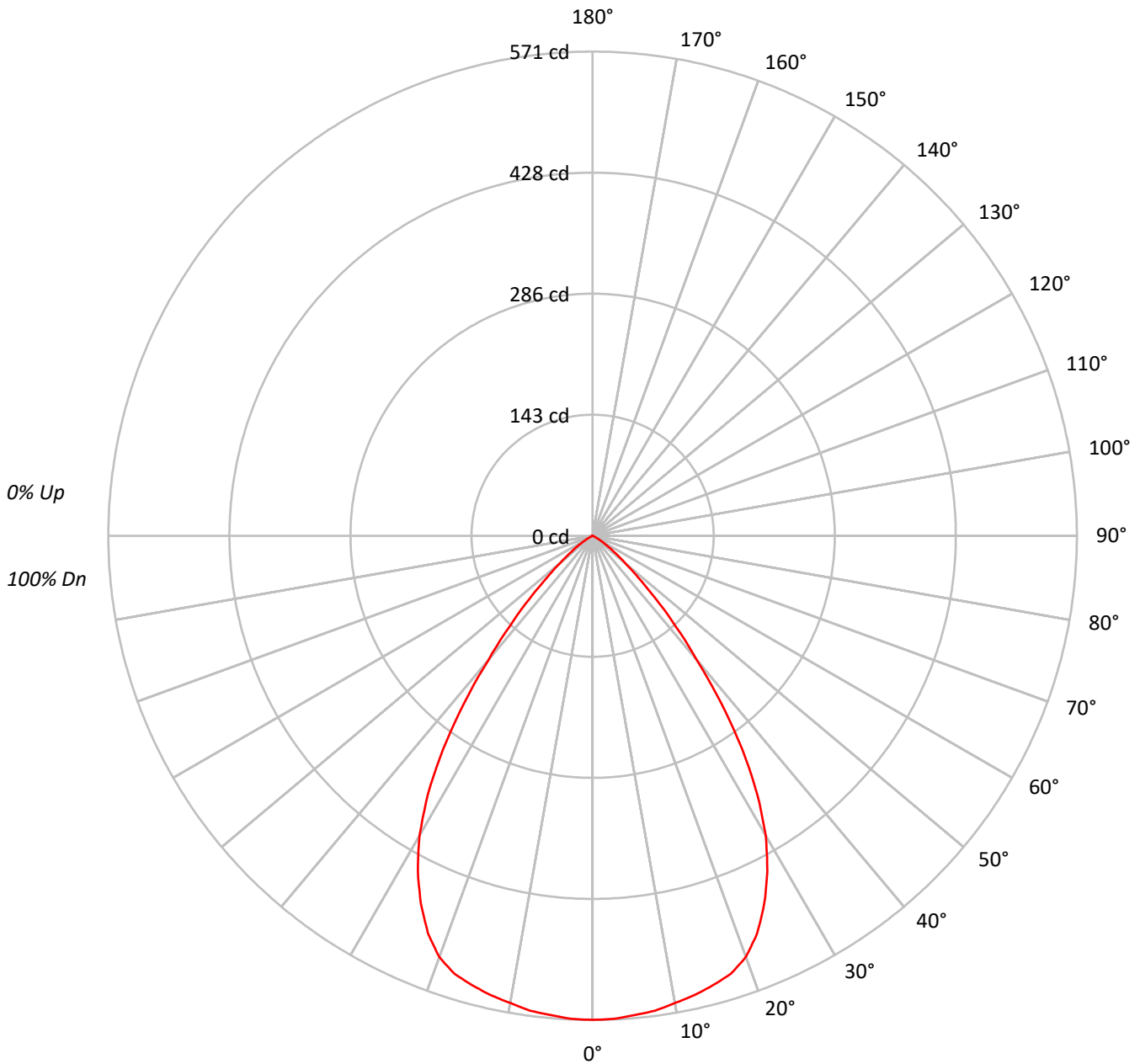
Downlight



TEST NUMBER: P758819

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9040-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P758819

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9040-6LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78		
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65		
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60		
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56		
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51		
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48		
10	67	57	51	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62377
5°	62220
10°	62086
15°	62066
20°	61462
25°	57734
30°	51475
35°	41042
40°	27257
45°	16286
50°	8448
55°	4438
60°	1573
65°	26
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16286 cd/sqm



TEST NUMBER: P758819

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9040-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	7.5
10°-20°	154.7	21.4
20°-30°	218.3	30.2
30°-40°	188.4	26.1
40°-50°	84.4	11.7
50°-60°	22.1	3.1
60°-70°	1.4	0.2
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°	427.0	59.0
0°-40°	615.4	85.1
0°-60°	721.9	99.8
0°-90°	723.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	571	
5°	567	54
15°	549	155
25°	479	218
35°	308	188
45°	105	84
55°	23	22
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P758819

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9040-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	570.9
2.5°	570.3
5°	567.3
7.5°	564.9
10°	559.6
12.5°	554.9
15°	548.7
17.5°	541.7
20°	528.6
22.5°	507.2
25°	478.9
27.5°	446.2
30°	408.0
32.5°	361.2
35°	307.7
37.5°	248.5
40°	191.1
42.5°	145.2
45°	105.4
47.5°	72.7
50°	49.7
52.5°	34.3
55°	23.3
57.5°	14.0
60°	7.2
62.5°	2.2
65°	0.1
67.5°	0.0
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)