

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: P758607

Luminaire Tested: LD6D05D010-EU6DR600210IC9024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D05D010-EU6DR600210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 523.6 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

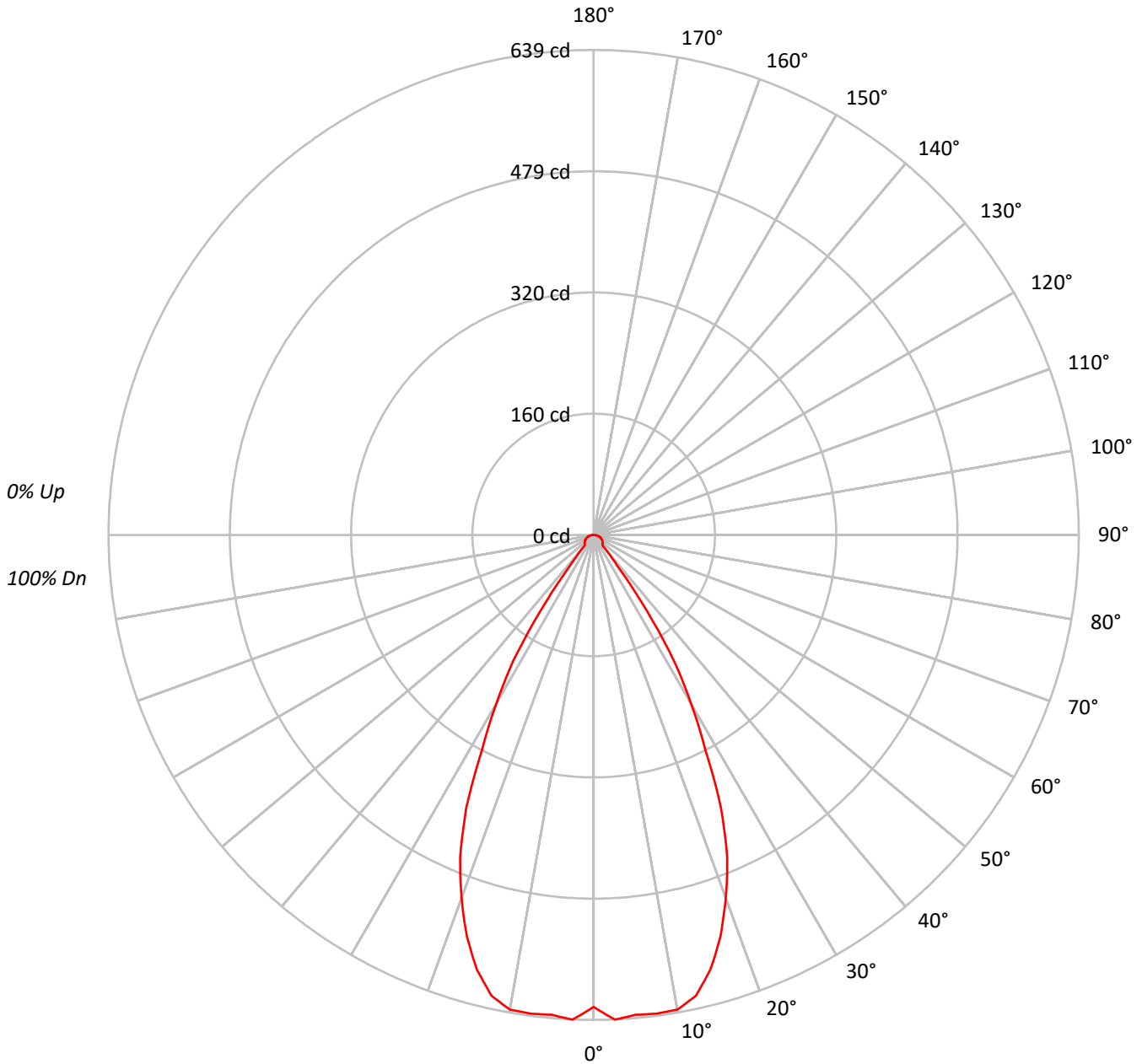


Downlight



TEST NUMBER: P758607
CATALOG NUMBER: LD6D05D010-EU6DR600210IC9024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P758607

CATALOG NUMBER: LD6D05D010-EU6DR600210IC9024-6LBDP1MW

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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67938
5°	69613
10°	70451
15°	67111
20°	59183
25°	47861
30°	32374
35°	16219
40°	2624
45°	2580
50°	2635
55°	2667
60°	2732
65°	2792
70°	2875
75°	2913
80°	2831
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 2913 cd/sqm



TEST NUMBER: P758607

CATALOG NUMBER: LD6D05D010-EU6DR600210IC9024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	11.6
10°-20°	164.1	31.3
20°-30°	176.6	33.7
30°-40°	76.7	14.7
40°-50°	12.9	2.5
50°-60°	12.5	2.4
60°-70°	10.7	2.0
70°-80°	7.2	1.4
80°-90°	2.1	0.4
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°	401.4	76.7
0°-40°	478.1	91.3
0°-60°	503.5	96.2
0°-90°	523.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	635	61
15°	593	164
25°	397	177
35°	122	77
45°	17	13
55°	14	13
65°	11	11
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P758607

CATALOG NUMBER: LD6D05D010-EU6DR600210IC9024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	621.8
2.5°	639.3
5°	634.7
7.5°	636.1
10°	635.0
12.5°	621.9
15°	593.3
17.5°	555.0
20°	509.0
22.5°	459.6
25°	397.0
27.5°	317.5
30°	256.6
32.5°	197.8
35°	121.6
37.5°	52.0
40°	18.4
42.5°	17.0
45°	16.7
47.5°	16.1
50°	15.5
52.5°	14.7
55°	14.0
57.5°	13.3
60°	12.5
62.5°	11.7
65°	10.8
67.5°	10.0
70°	9.0
72.5°	7.9
75°	6.9
77.5°	5.7
80°	4.5
82.5°	3.2
85°	1.8
87.5°	0.6
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)