

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: P788082

Luminaire Tested: LER6D05D010-EC6DR700210IC9024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788082
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: LER6D05D010-EC6DR700210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 793.3 lumens
Efficiency: N/A
Efficacy: 105.8 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): 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

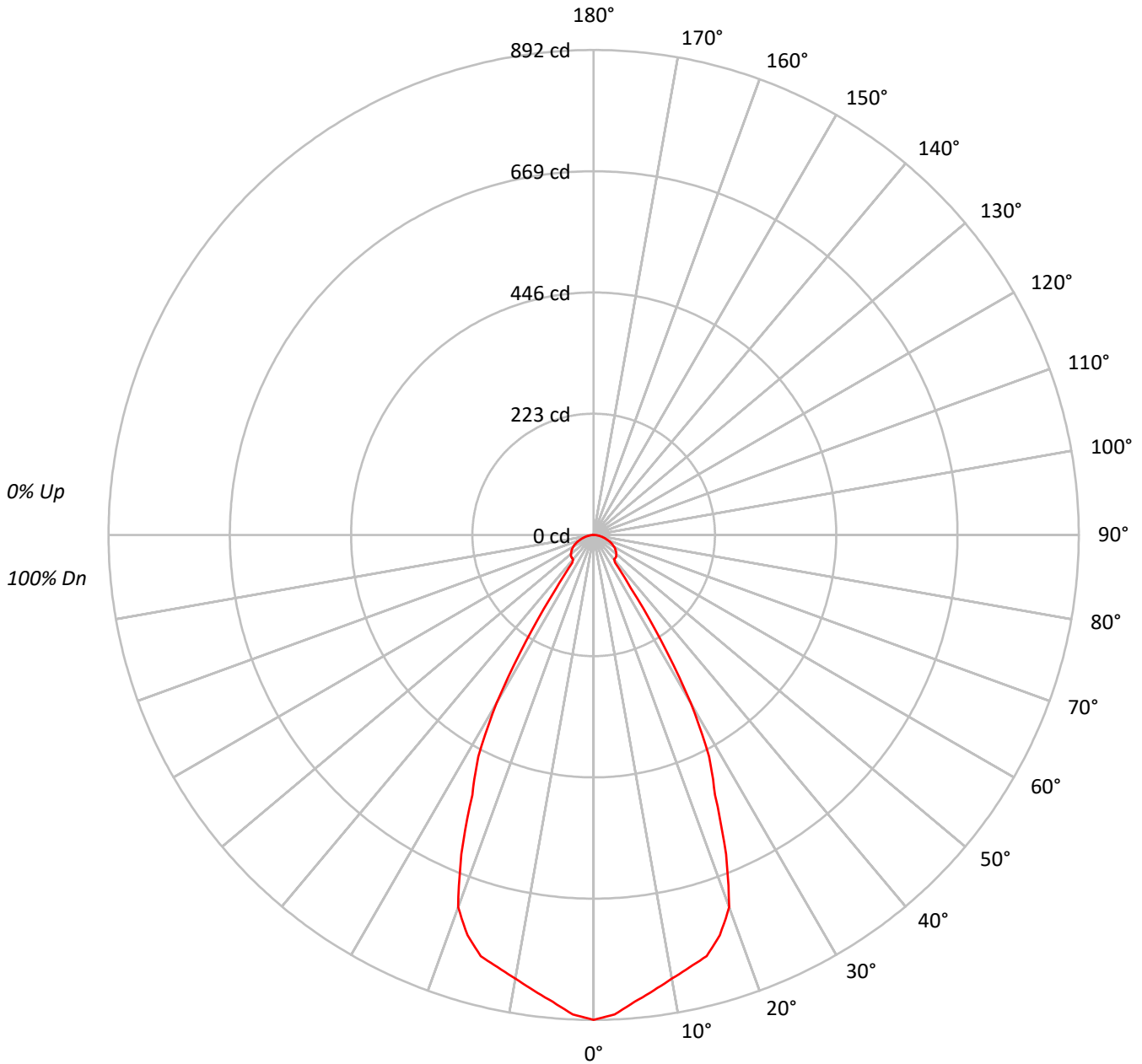


Downlight

TEST NUMBER: P788082

CATALOG NUMBER: LER6D05D010-EC6DR700210IC9024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P788082

CATALOG NUMBER: LER6D05D010-EC6DR700210IC9024-6LBDP1MW

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	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°	97461
5°	94564
10°	91930
15°	90718
20°	84716
25°	63641
30°	44990
35°	15939
40°	8372
45°	8931
50°	9247
55°	9410
60°	9484
65°	9281
70°	8753
75°	8105
80°	7173
85°	5892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 9484 cd/sqm



TEST NUMBER: P788082

CATALOG NUMBER: LER6D05D010-EC6DR700210IC9024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	10.3
10°-20°	223.1	28.1
20°-30°	245.7	31.0
30°-40°	93.9	11.8
40°-50°	44.3	5.6
50°-60°	44.1	5.6
60°-70°	35.3	4.4
70°-80°	20.3	2.6
80°-90°	5.5	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°	550.0	69.3
0°-40°	643.9	81.2
0°-60°	732.3	92.3
0°-90°	793.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	892	
5°	862	81
15°	802	223
25°	528	246
35°	120	94
45°	58	44
55°	49	44
65°	36	35
75°	19	20
85°	5	5
90°	0	



TEST NUMBER: P788082

CATALOG NUMBER: LER6D05D010-EC6DR700210IC9024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	892.0
2.5°	882.6
5°	862.2
7.5°	845.1
10°	828.6
12.5°	814.6
15°	802.0
17.5°	771.6
20°	728.6
22.5°	635.6
25°	527.9
27.5°	459.5
30°	356.6
32.5°	230.3
35°	119.5
37.5°	64.5
40°	58.7
42.5°	58.3
45°	57.8
47.5°	56.5
50°	54.4
52.5°	52.0
55°	49.4
57.5°	46.6
60°	43.4
62.5°	39.7
65°	35.9
67.5°	31.6
70°	27.4
72.5°	23.2
75°	19.2
77.5°	15.1
80°	11.4
82.5°	8.0
85°	4.7
87.5°	1.8
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)