

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: P767005

Luminaire Tested: LD6D45BD010-EU6DR7040509024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767005
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: LD6D45BD010-EU6DR7040509024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

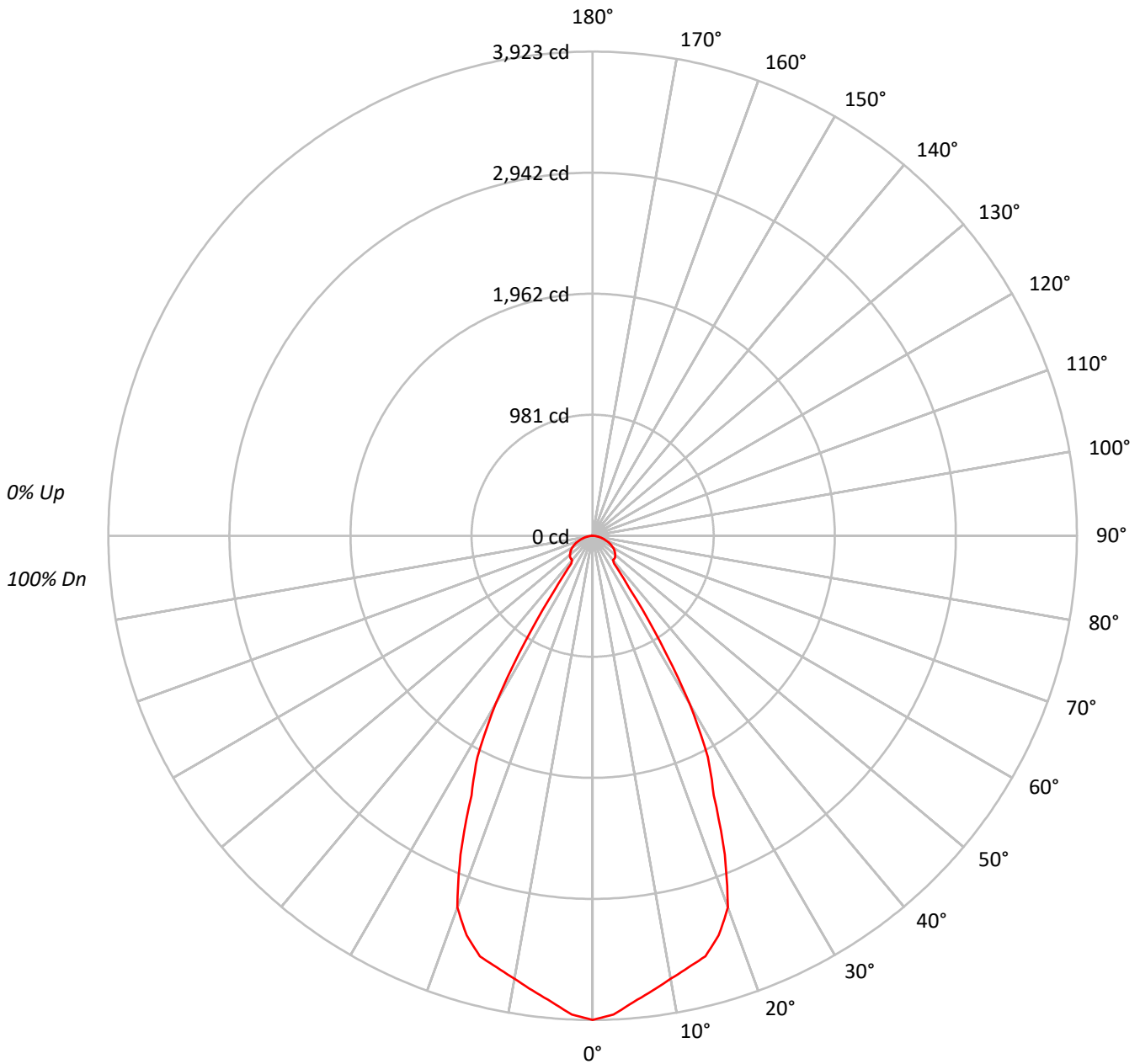
Lumens per Lamp: N/A
Luminaire Lumens: 3489.4 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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



TEST NUMBER: P767005
CATALOG NUMBER: LD6D45BD010-EU6DR7040509024-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P767005

CATALOG NUMBER: LD6D45BD010-EU6DR7040509024-6LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	428641
5°	415899
10°	404310
15°	399002
20°	372585
25°	279907
30°	197875
35°	70093
40°	36856
45°	39248
50°	40642
55°	41413
60°	41672
65°	40797
70°	38495
75°	35672
80°	31649
85°	25699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 41687 cd/sqm



TEST NUMBER: P767005

CATALOG NUMBER: LD6D45BD010-EU6DR7040509024-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.7	10.2
10°-20°	981.1	28.1
20°-30°	1080.5	31.0
30°-40°	412.9	11.8
40°-50°	194.9	5.6
50°-60°	193.8	5.6
60°-70°	155.1	4.4
70°-80°	89.2	2.6
80°-90°	24.2	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°	2419.3	69.3
0°-40°	2832.1	81.2
0°-60°	3220.8	92.3
0°-90°	3489.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3489.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3923	
5°	3792	358
15°	3527	981
25°	2322	1081
35°	526	413
45°	254	195
55°	217	194
65°	158	155
75°	84	89
85°	20	24
90°	0	



TEST NUMBER: P767005

CATALOG NUMBER: LD6D45BD010-EU6DR7040509024-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3923.1
2.5°	3882.1
5°	3792.0
7.5°	3716.8
10°	3644.2
12.5°	3582.7
15°	3527.4
17.5°	3393.9
20°	3204.4
22.5°	2795.7
25°	2321.8
27.5°	2021.2
30°	1568.4
32.5°	1013.1
35°	525.5
37.5°	283.9
40°	258.4
42.5°	256.5
45°	254.0
47.5°	248.5
50°	239.1
52.5°	228.6
55°	217.4
57.5°	205.0
60°	190.7
62.5°	174.5
65°	157.8
67.5°	139.1
70°	120.5
72.5°	101.9
75°	84.5
77.5°	66.5
80°	50.3
82.5°	35.4
85°	20.5
87.5°	8.1
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)