

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: P767019

Luminaire Tested: LD6D45BD010-EU6DR7040509030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767019
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: LD6D45BD010-EU6DR7040509030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

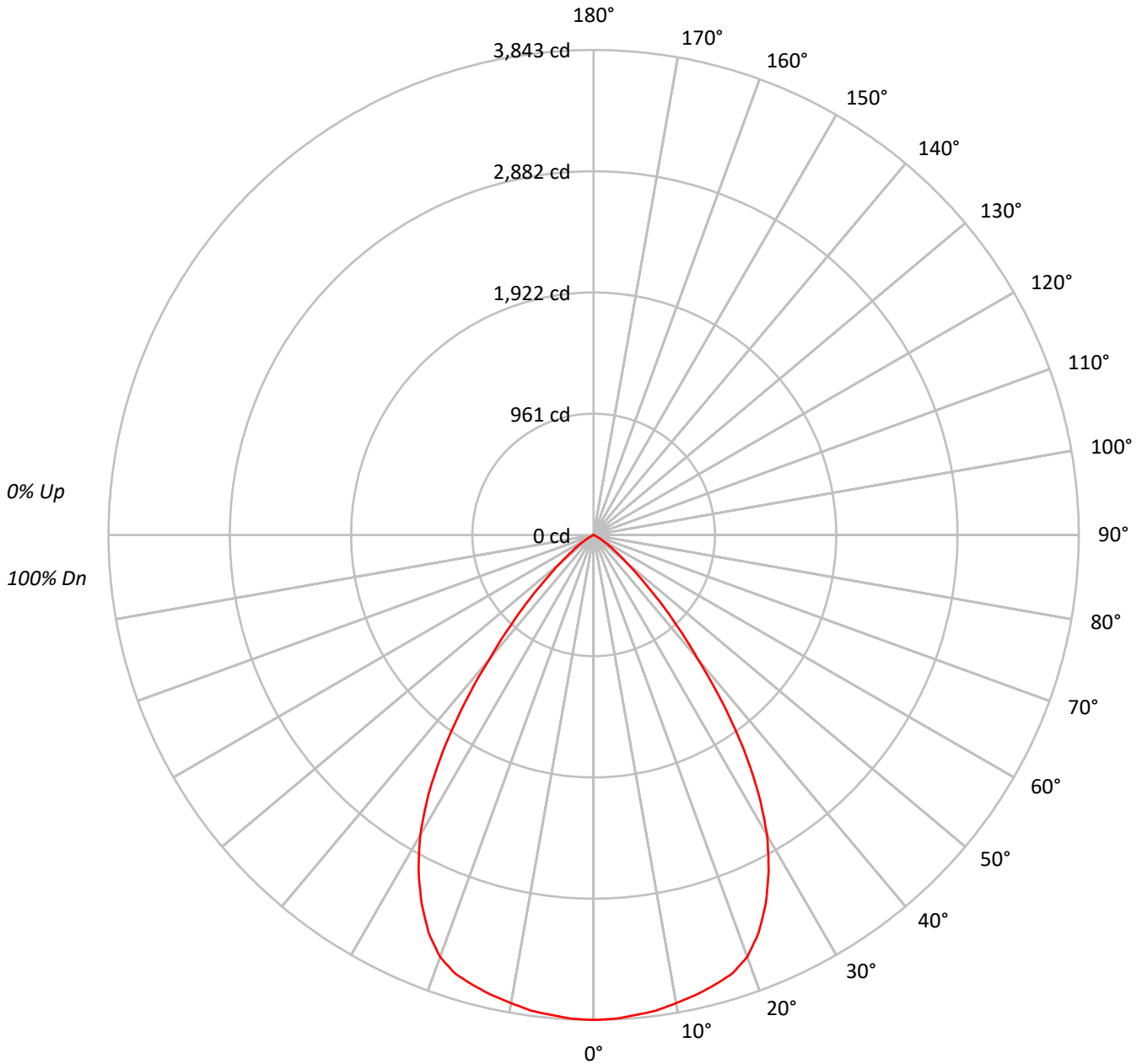
Lumens per Lamp: N/A
Luminaire Lumens: 4868.5 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P767019
CATALOG NUMBER: LD6D45BD010-EU6DR7040509030-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P767019

CATALOG NUMBER: LD6D45BD010-EU6DR7040509030-6LBCSSQMB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419856
5°	418806
10°	417901
15°	417779
20°	413699
25°	388612
30°	346445
35°	276222
40°	183422
45°	109661
50°	56841
55°	29888
60°	10576
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 109661 cd/sqm



TEST NUMBER: P767019

CATALOG NUMBER: LD6D45BD010-EU6DR7040509030-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.1	7.5
10°-20°	1041.5	21.4
20°-30°	1469.2	30.2
30°-40°	1268.3	26.1
40°-50°	568.0	11.7
50°-60°	148.7	3.1
60°-70°	9.7	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°	2873.8	59.0
0°-40°	4142.1	85.1
0°-60°	4858.9	99.8
0°-90°	4868.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4868.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3843	
5°	3818	363
15°	3693	1041
25°	3224	1469
35°	2071	1268
45°	710	568
55°	157	149
65°	1	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P767019

CATALOG NUMBER: LD6D45BD010-EU6DR7040509030-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3842.7
2.5°	3838.5
5°	3818.5
7.5°	3801.9
10°	3766.7
12.5°	3734.9
15°	3693.4
17.5°	3645.7
20°	3558.0
22.5°	3413.5
25°	3223.5
27.5°	3003.1
30°	2746.0
32.5°	2431.6
35°	2070.9
37.5°	1672.9
40°	1286.0
42.5°	977.1
45°	709.7
47.5°	489.2
50°	334.4
52.5°	230.8
55°	156.9
57.5°	94.7
60°	48.4
62.5°	15.2
65°	0.7
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)