

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: P766849

Luminaire Tested: LD6D45BD010-EU6DR6040509024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766849
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: LD6D45BD010-EU6DR6040509024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

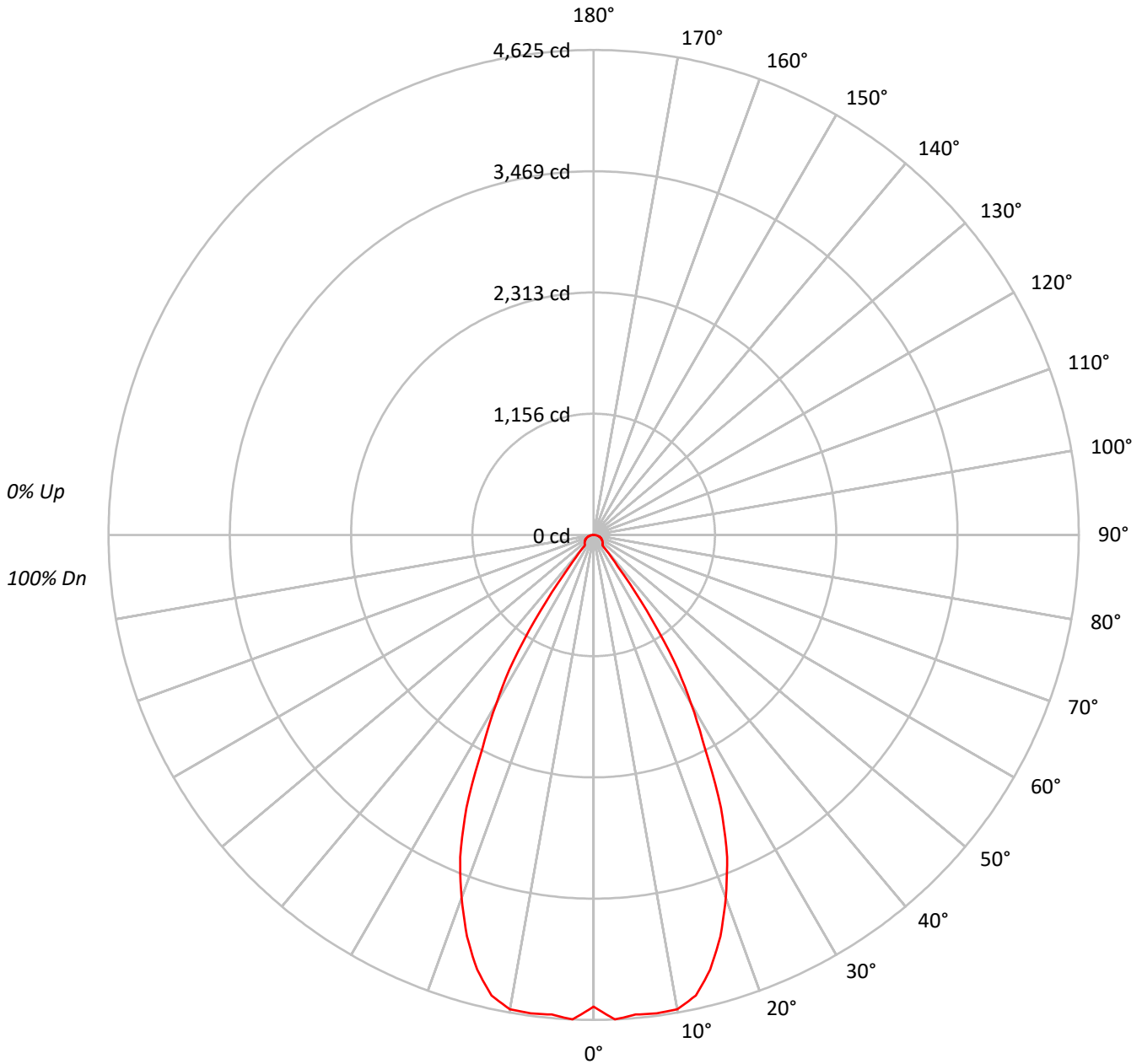
Lumens per Lamp: N/A
Luminaire Lumens: 3787.8 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P766849
CATALOG NUMBER: LD6D45BD010-EU6DR6040509024-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P766849

CATALOG NUMBER: LD6D45BD010-EU6DR6040509024-6LBSQW1MW

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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	491510
5°	503598
10°	509676
15°	485535
20°	428093
25°	346261
30°	234210
35°	117363
40°	19041
45°	18635
50°	19004
55°	19297
60°	19820
65°	20269
70°	20765
75°	21023
80°	20260
85°	16924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21023 cd/sqm



TEST NUMBER: P766849

CATALOG NUMBER: LD6D45BD010-EU6DR6040509024-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.8	11.6
10°-20°	1187.3	31.3
20°-30°	1277.5	33.7
30°-40°	555.3	14.7
40°-50°	93.3	2.5
50°-60°	90.7	2.4
60°-70°	77.5	2.0
70°-80°	51.9	1.4
80°-90°	15.5	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°	2903.6	76.7
0°-40°	3458.9	91.3
0°-60°	3642.8	96.2
0°-90°	3787.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4498	
5°	4592	439
15°	4292	1187
25°	2872	1277
35°	880	555
45°	121	93
55°	101	91
65°	78	78
75°	50	52
85°	14	16
90°	0	



TEST NUMBER: P766849

CATALOG NUMBER: LD6D45BD010-EU6DR6040509024-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4498.5
2.5°	4625.0
5°	4591.6
7.5°	4602.1
10°	4593.9
12.5°	4499.1
15°	4292.4
17.5°	4014.9
20°	3681.8
22.5°	3325.3
25°	2872.2
27.5°	2297.3
30°	1856.4
32.5°	1430.8
35°	879.9
37.5°	376.4
40°	133.5
42.5°	122.9
45°	120.6
47.5°	116.5
50°	111.8
52.5°	106.5
55°	101.3
57.5°	96.0
60°	90.7
62.5°	84.9
65°	78.4
67.5°	72.0
70°	65.0
72.5°	57.4
75°	49.8
77.5°	41.0
80°	32.2
82.5°	22.8
85°	13.5
87.5°	4.7
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)