

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: P766888

Luminaire Tested: LD6D45BD010-EU6DR6040509035-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P766888  
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-EU6DR6040509035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4467.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 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

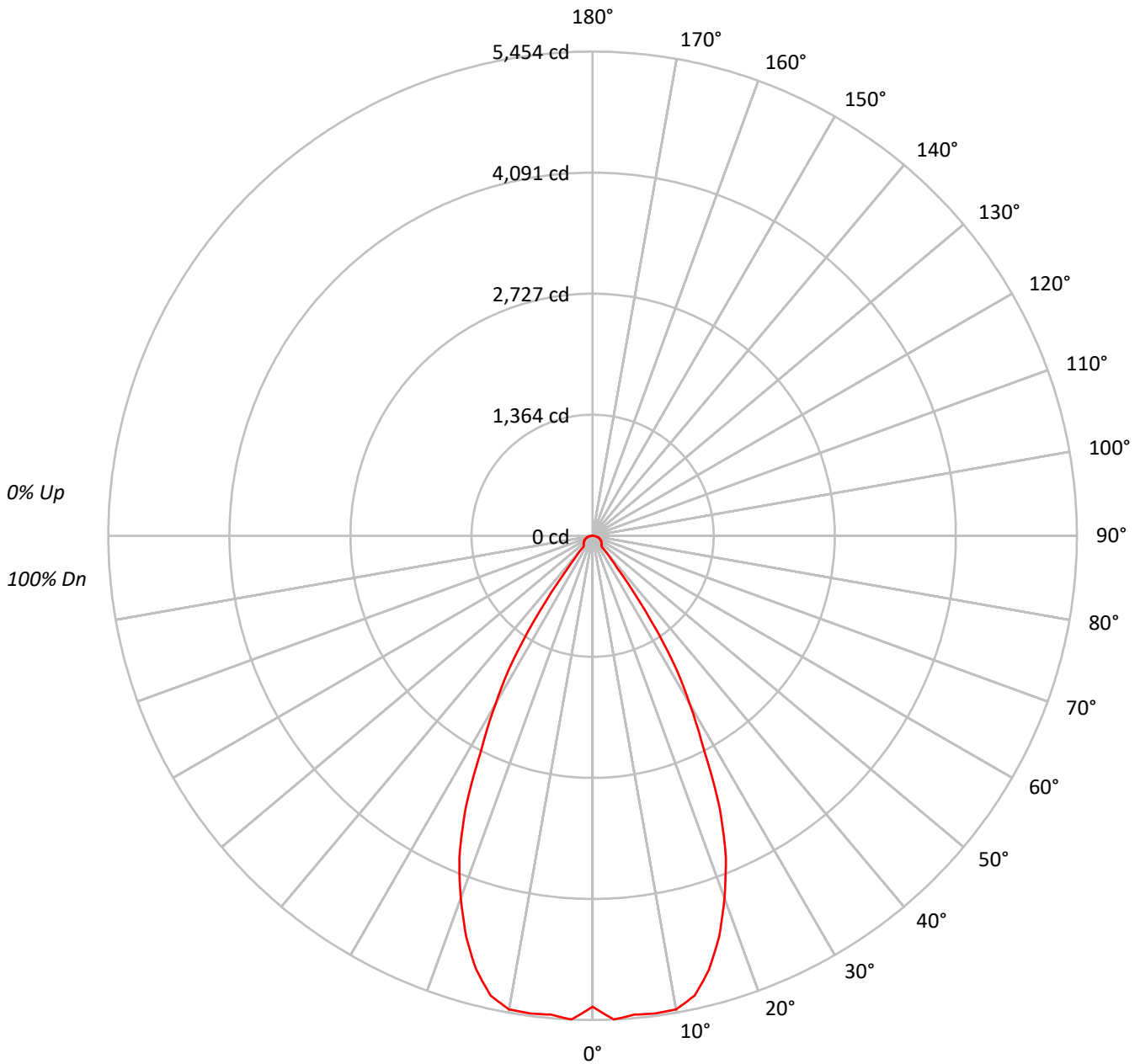
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P766888

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P766888

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBSQW1MW

**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°	579639
5°	593896
10°	601063
15°	572600
20°	504857
25°	408347
30°	276210
35°	138411
40°	22450
45°	21972
50°	22420
55°	22745
60°	23382
65°	23914
70°	24470
75°	24780
80°	23910
85°	19933

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 24780 cd/sqm



TEST NUMBER: P766888

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.5	11.6
10°-20°	1400.2	31.3
20°-30°	1506.5	33.7
30°-40°	654.8	14.7
40°-50°	110.0	2.5
50°-60°	106.9	2.4
60°-70°	91.5	2.0
70°-80°	61.2	1.4
80°-90°	18.3	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°	3424.2	76.7
0°-40°	4079.1	91.3
0°-60°	4296.0	96.2
0°-90°	4467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5305	
5°	5415	518
15°	5062	1400
25°	3387	1507
35°	1038	655
45°	142	110
55°	119	107
65°	92	91
75°	59	61
85°	16	18
90°	0	



TEST NUMBER: P766888

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5305.1
2.5°	5454.2
5°	5414.9
7.5°	5427.3
10°	5417.6
12.5°	5305.8
15°	5062.1
17.5°	4734.8
20°	4342.0
22.5°	3921.5
25°	3387.2
27.5°	2709.2
30°	2189.3
32.5°	1687.4
35°	1037.7
37.5°	443.9
40°	157.4
42.5°	145.0
45°	142.2
47.5°	137.4
50°	131.9
52.5°	125.7
55°	119.4
57.5°	113.2
60°	107.0
62.5°	100.1
65°	92.5
67.5°	84.9
70°	76.6
72.5°	67.7
75°	58.7
77.5°	48.3
80°	38.0
82.5°	26.9
85°	15.9
87.5°	5.5
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)