

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P767681

Luminaire Tested: LD6D50D010-EU6DR6040509040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767681
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: LD6D50D010-EU6DR6040509040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

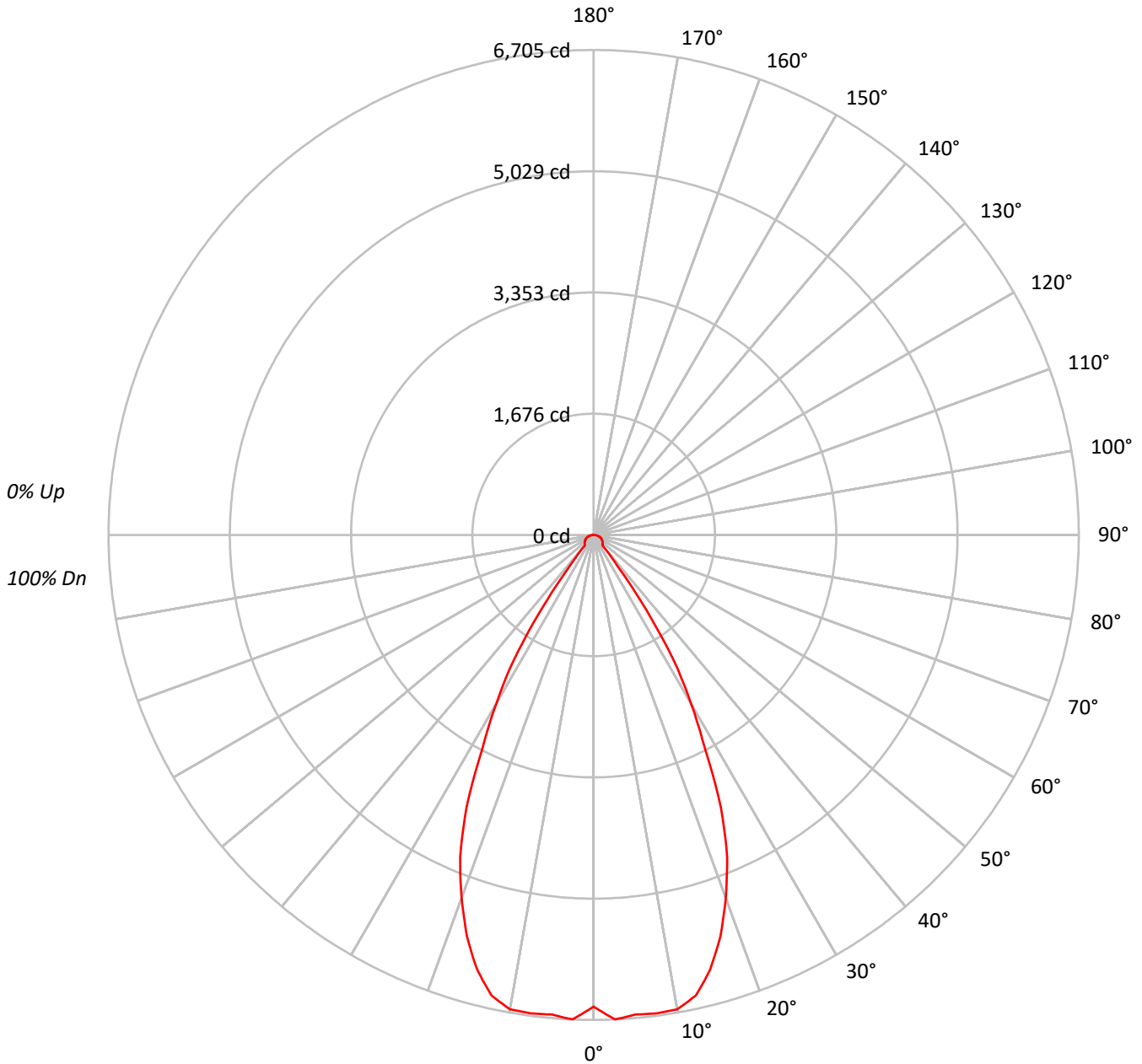
Lumens per Lamp: N/A
Luminaire Lumens: 5491.3 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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



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Luminous Intensity Polar Plot





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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°	712555
5°	730083
10°	738902
15°	703904
20°	620630
25°	501983
30°	339544
35°	170143
40°	27599
45°	27010
50°	27554
55°	27964
60°	28757
65°	29395
70°	30093
75°	30437
80°	29384
85°	24446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.2	11.6
10°-20°	1721.3	31.3
20°-30°	1852.0	33.7
30°-40°	805.0	14.7
40°-50°	135.2	2.5
50°-60°	131.5	2.4
60°-70°	112.5	2.0
70°-80°	75.2	1.4
80°-90°	22.5	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°	4209.5	76.7
0°-40°	5014.5	91.3
0°-60°	5281.1	96.2
0°-90°	5491.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5491.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6522	
5°	6657	636
15°	6223	1721
25°	4164	1852
35°	1276	805
45°	175	135
55°	147	131
65°	114	112
75°	72	75
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6521.6
2.5°	6705.0
5°	6656.6
7.5°	6671.9
10°	6660.0
12.5°	6522.5
15°	6222.9
17.5°	5820.6
20°	5337.7
22.5°	4820.8
25°	4163.9
27.5°	3330.4
30°	2691.3
32.5°	2074.3
35°	1275.6
37.5°	545.7
40°	193.5
42.5°	178.2
45°	174.8
47.5°	168.9
50°	162.1
52.5°	154.5
55°	146.8
57.5°	139.2
60°	131.6
62.5°	123.1
65°	113.7
67.5°	104.4
70°	94.2
72.5°	83.2
75°	72.1
77.5°	59.4
80°	46.7
82.5°	33.1
85°	19.5
87.5°	6.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)