

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: P769215

Luminaire Tested: LD6D60D010-EU6DR6055659030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769215
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: LD6D60D010-EU6DR6055659030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

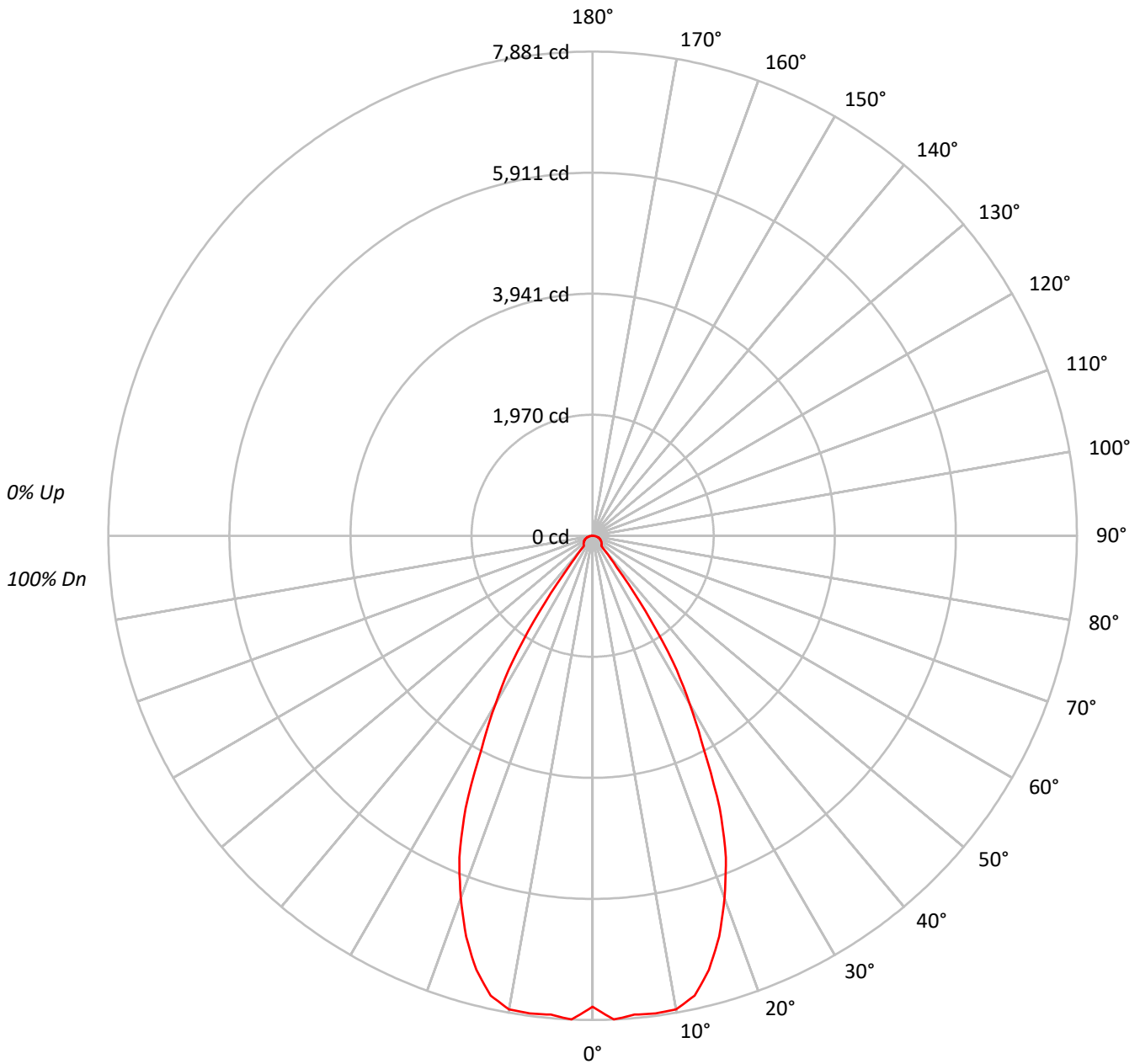
Lumens per Lamp: N/A
Luminaire Lumens: 6454.2 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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°	837506
5°	858100
10°	868465
15°	827324
20°	729449
25°	590001
30°	399080
35°	199981
40°	32434
45°	31753
50°	32381
55°	32879
60°	33783
65°	34566
70°	35364
75°	35798
80°	34543
85°	28708

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 35798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.8	11.6
10°-20°	2023.1	31.3
20°-30°	2176.7	33.7
30°-40°	946.1	14.7
40°-50°	158.9	2.5
50°-60°	154.5	2.4
60°-70°	132.2	2.0
70°-80°	88.4	1.4
80°-90°	26.5	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°	4947.6	76.7
0°-40°	5893.7	91.3
0°-60°	6207.1	96.2
0°-90°	6454.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6454.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7665	
5°	7824	748
15°	7314	2023
25°	4894	2177
35°	1499	946
45°	206	159
55°	173	155
65°	134	132
75°	85	88
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7665.2
2.5°	7880.7
5°	7823.8
7.5°	7841.8
10°	7827.8
12.5°	7666.2
15°	7314.0
17.5°	6841.2
20°	6273.6
22.5°	5666.1
25°	4894.0
27.5°	3914.4
30°	3163.2
32.5°	2438.0
35°	1499.3
37.5°	641.4
40°	227.4
42.5°	209.5
45°	205.5
47.5°	198.5
50°	190.5
52.5°	181.6
55°	172.6
57.5°	163.6
60°	154.6
62.5°	144.6
65°	133.7
67.5°	122.7
70°	110.7
72.5°	97.8
75°	84.8
77.5°	69.8
80°	54.9
82.5°	38.9
85°	22.9
87.5°	8.0
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

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— 0°-180°

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