

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: P769075

Luminaire Tested: LD6D60D010-EU6DR5055659040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR5055659040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

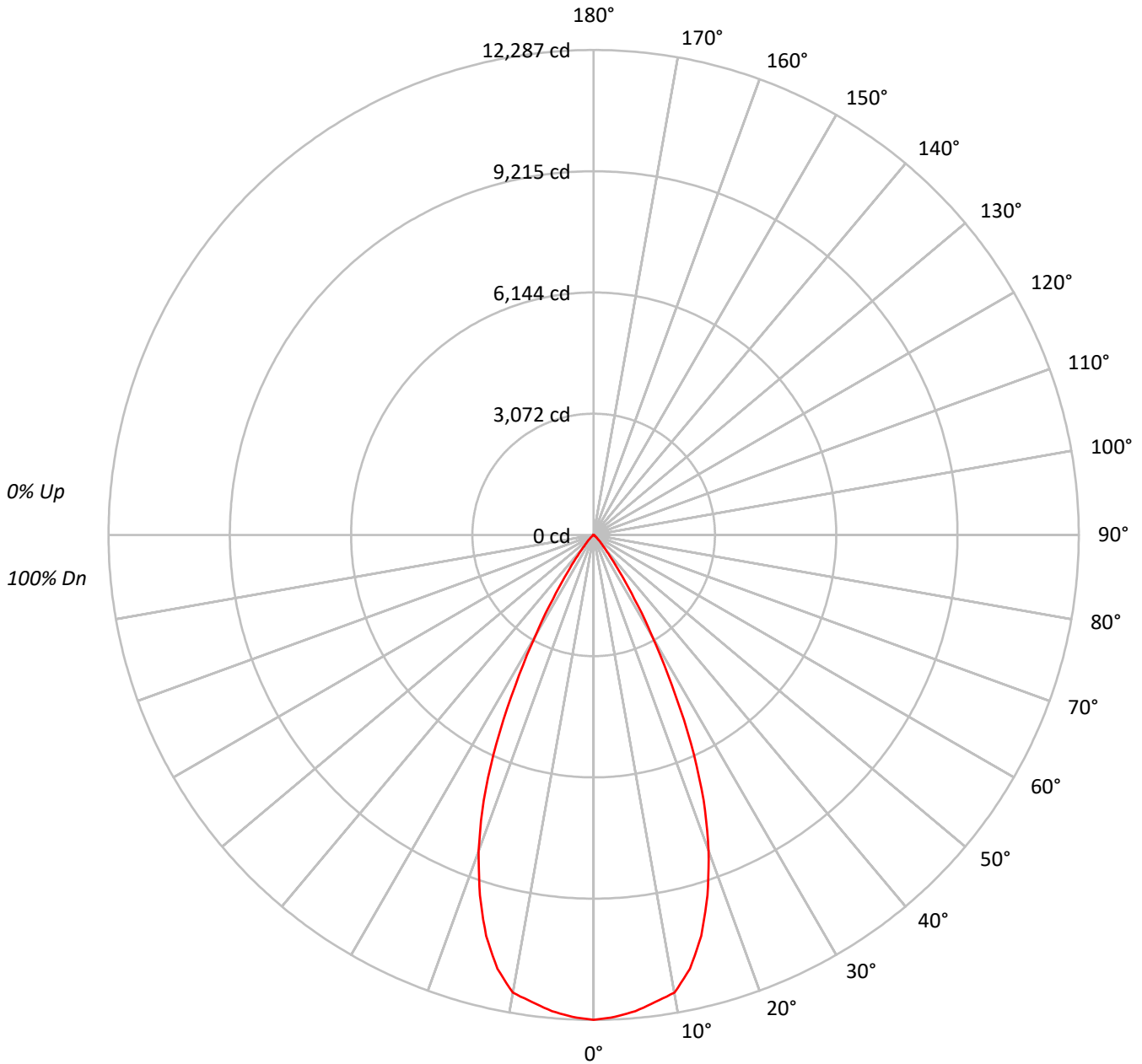
Lumens per Lamp: N/A
Luminaire Lumens: 7625.5 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	93	91	88	86	85	85	83	82	82	80																
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	88	86	85	85	83	82	80	77	76	74	72																	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	83	82	80	77	76	74	72	72	70	69																
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	77	76	74	72	70	69	65	65	63	62																	
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	74	72	70	69	65	65	63	62																			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	70	69	66	65	63	62																					
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	66	65	63	62																							
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	63	62																									
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																											
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1342443
5°	1328366
10°	1306492
15°	1189665
20°	989936
25°	702708
30°	371942
35°	151576
40°	56296
45°	25774
50°	10573
55°	5524
60°	2710
65°	801
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1144.8	15.0
10°-20°	2893.1	37.9
20°-30°	2598.8	34.1
30°-40°	813.7	10.7
40°-50°	142.5	1.9
50°-60°	28.4	0.4
60°-70°	4.3	0.1
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°	6636.7	87.0
0°-40°	7450.3	97.7
0°-60°	7621.2	99.9
0°-90°	7625.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7625.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12287	
5°	12112	###
15°	10517	2893
25°	5829	2599
35°	1136	814
45°	167	142
55°	29	28
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12286.6
2.5°	12225.5
5°	12111.5
7.5°	11937.5
10°	11775.9
12.5°	11258.0
15°	10517.3
17.5°	9576.7
20°	8513.9
22.5°	7284.3
25°	5828.9
27.5°	4285.4
30°	2948.1
32.5°	1919.5
35°	1136.4
37.5°	652.6
40°	394.7
42.5°	256.9
45°	166.8
47.5°	101.5
50°	62.2
52.5°	42.5
55°	29.0
57.5°	19.7
60°	12.4
62.5°	7.3
65°	3.1
67.5°	1.0
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

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— 0°-180°

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