

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: P770190

Luminaire Tested: LD6D65D010-EU6DR7055659050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR7055659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7005.4 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

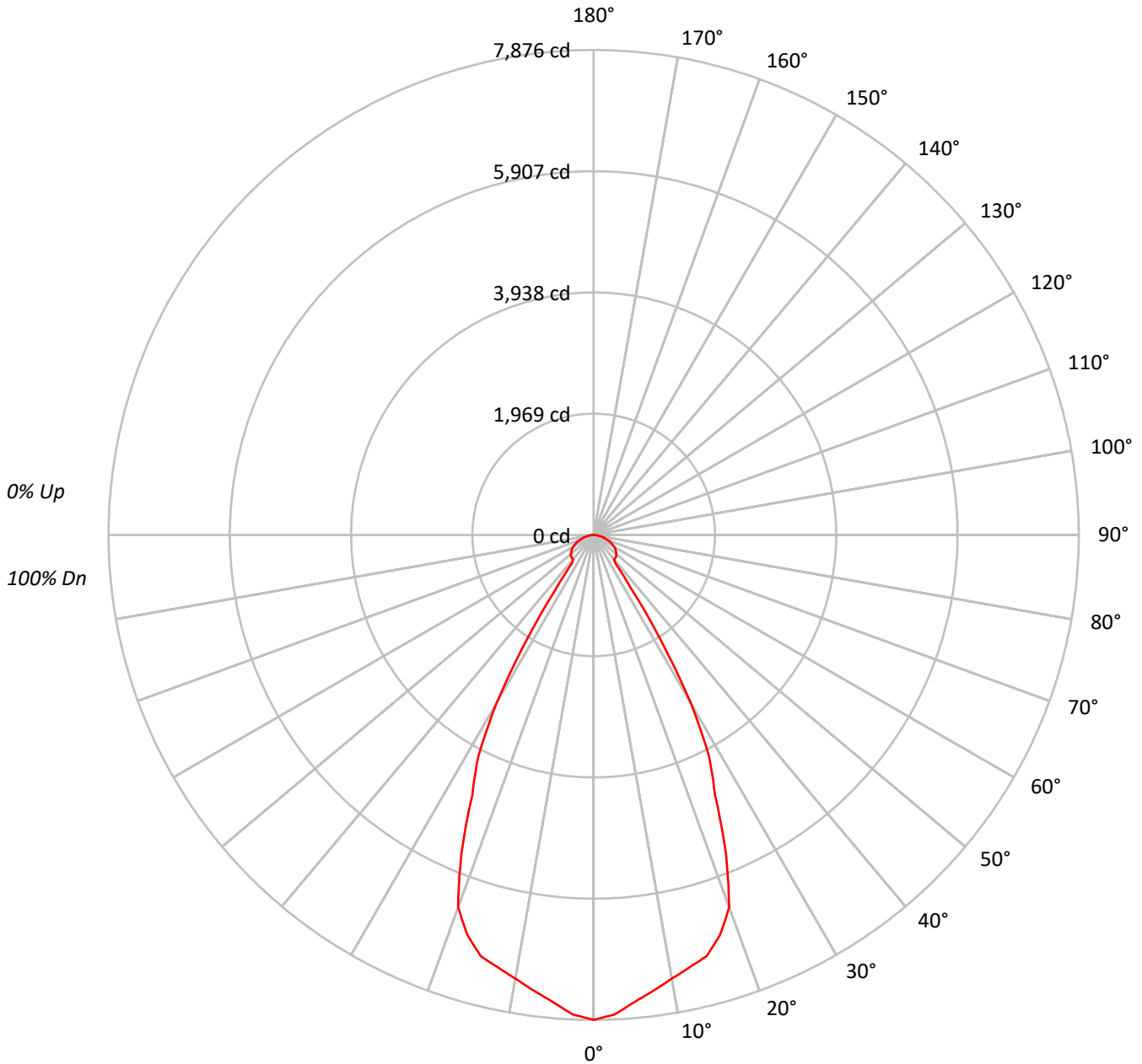
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	860549
5°	834979
10°	811705
15°	801058
20°	748018
25°	561947
30°	397251
35°	140719
40°	73996
45°	78804
50°	81607
55°	83149
60°	83650
65°	81877
70°	77277
75°	71597
80°	63550
85°	51649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 83679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	10.3
10°-20°	1969.6	28.1
20°-30°	2169.3	31.0
30°-40°	828.8	11.8
40°-50°	391.3	5.6
50°-60°	389.1	5.6
60°-70°	311.5	4.4
70°-80°	179.0	2.6
80°-90°	48.7	0.7
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°	4857.0	69.3
0°-40°	5685.8	81.2
0°-60°	6466.2	92.3
0°-90°	7005.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7005.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7876	
5°	7613	718
15°	7082	1970
25°	4661	2169
35°	1055	829
45°	510	391
55°	436	389
65°	317	311
75°	170	179
85°	41	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7876.1
2.5°	7793.8
5°	7613.0
7.5°	7462.1
10°	7316.2
12.5°	7192.8
15°	7081.8
17.5°	6813.7
20°	6433.3
22.5°	5612.8
25°	4661.3
27.5°	4057.8
30°	3148.7
32.5°	2033.9
35°	1055.0
37.5°	569.9
40°	518.8
42.5°	515.0
45°	510.0
47.5°	498.8
50°	480.1
52.5°	458.9
55°	436.5
57.5°	411.5
60°	382.8
62.5°	350.4
65°	316.7
67.5°	279.3
70°	241.9
72.5°	204.5
75°	169.6
77.5°	133.4
80°	101.0
82.5°	71.1
85°	41.2
87.5°	16.2
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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