

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: P773742

Luminaire Tested: LD6D90BD010-EU6DR5070959035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773742
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: LD6D90BD010-EU6DR5070959035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11106.3 lumens
Efficiency: N/A
Efficacy: 112.3 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

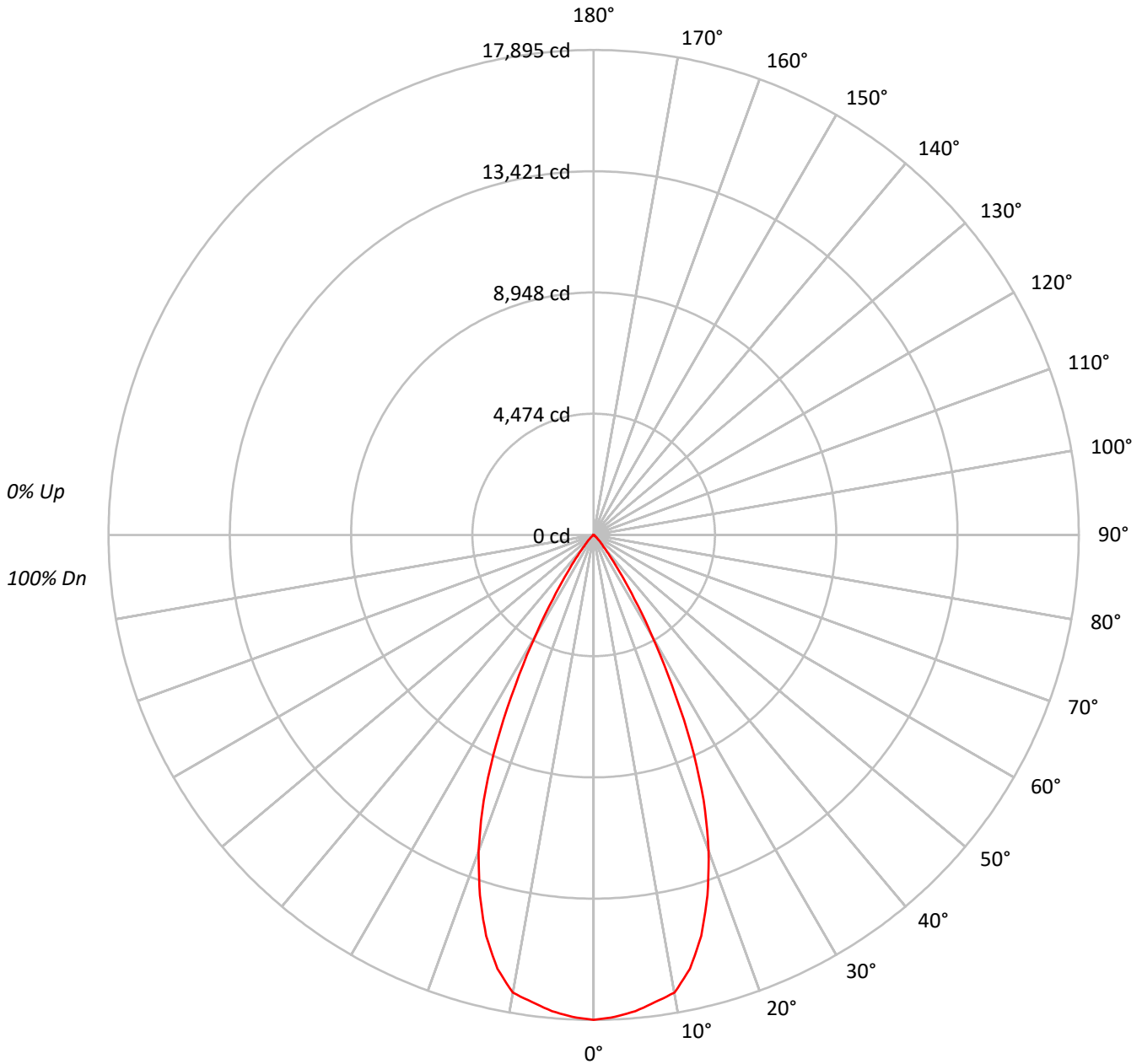
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	82	82	80	77	76	74	72	72	70	69										
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	88	86	85	85	82	82	80	77	76	74	72	70	69	67	65	65	63	62										
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	82	82	80	77	76	74	72	70	69	67	65	65	63	62	62	60	59									
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	67	65	65	63	62	62	60	59	59	57	56										
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	74	72	70	69	67	65	65	63	62	62	60	59	59	57	56	56	54										
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	70	69	67	65	65	63	62	62	60	59	59	57	56	56	54	54	52										
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	67	65	65	63	62	62	60	59	59	57	56	56	54	54	52	52	50										
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	63	62	62	60	59	59	57	56	56	54	54	52	52	50	50	48	48										
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	60	59	59	57	56	56	54	54	52	52	50	50	48	48	46	46										
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	57	56	56	54	54	52	52	50	50	48	48	46	46	44	44	42										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1955221
5°	1934733
10°	1902862
15°	1732708
20°	1441807
25°	1023471
30°	541721
35°	220762
40°	81984
45°	37532
50°	15383
55°	8039
60°	3955
65°	1163
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1667.3	15.0
10°-20°	4213.7	37.9
20°-30°	3785.0	34.1
30°-40°	1185.1	10.7
40°-50°	207.5	1.9
50°-60°	41.4	0.4
60°-70°	6.2	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°	9666.1	87.0
0°-40°	10851.2	97.7
0°-60°	11100.1	99.9
0°-90°	11106.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11106.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17895	
5°	17640	###
15°	15318	4214
25°	8490	3785
35°	1655	1185
45°	243	208
55°	42	41
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17895.0
2.5°	17806.0
5°	17640.1
7.5°	17386.6
10°	17151.2
12.5°	16396.9
15°	15318.1
17.5°	13948.2
20°	12400.2
22.5°	10609.4
25°	8489.6
27.5°	6241.6
30°	4293.8
32.5°	2795.7
35°	1655.1
37.5°	950.5
40°	574.8
42.5°	374.2
45°	242.9
47.5°	147.9
50°	90.5
52.5°	61.9
55°	42.2
57.5°	28.7
60°	18.1
62.5°	10.6
65°	4.5
67.5°	1.5
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

Signify Classified - Internal
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Scaled Data Report





— 0°-180°

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