

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: P773882

Luminaire Tested: LD6D90BD010-EU6DR6070959027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773882
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: LD6D90BD010-EU6DR6070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9551.3 lumens
Efficiency: N/A
Efficacy: 96.6 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

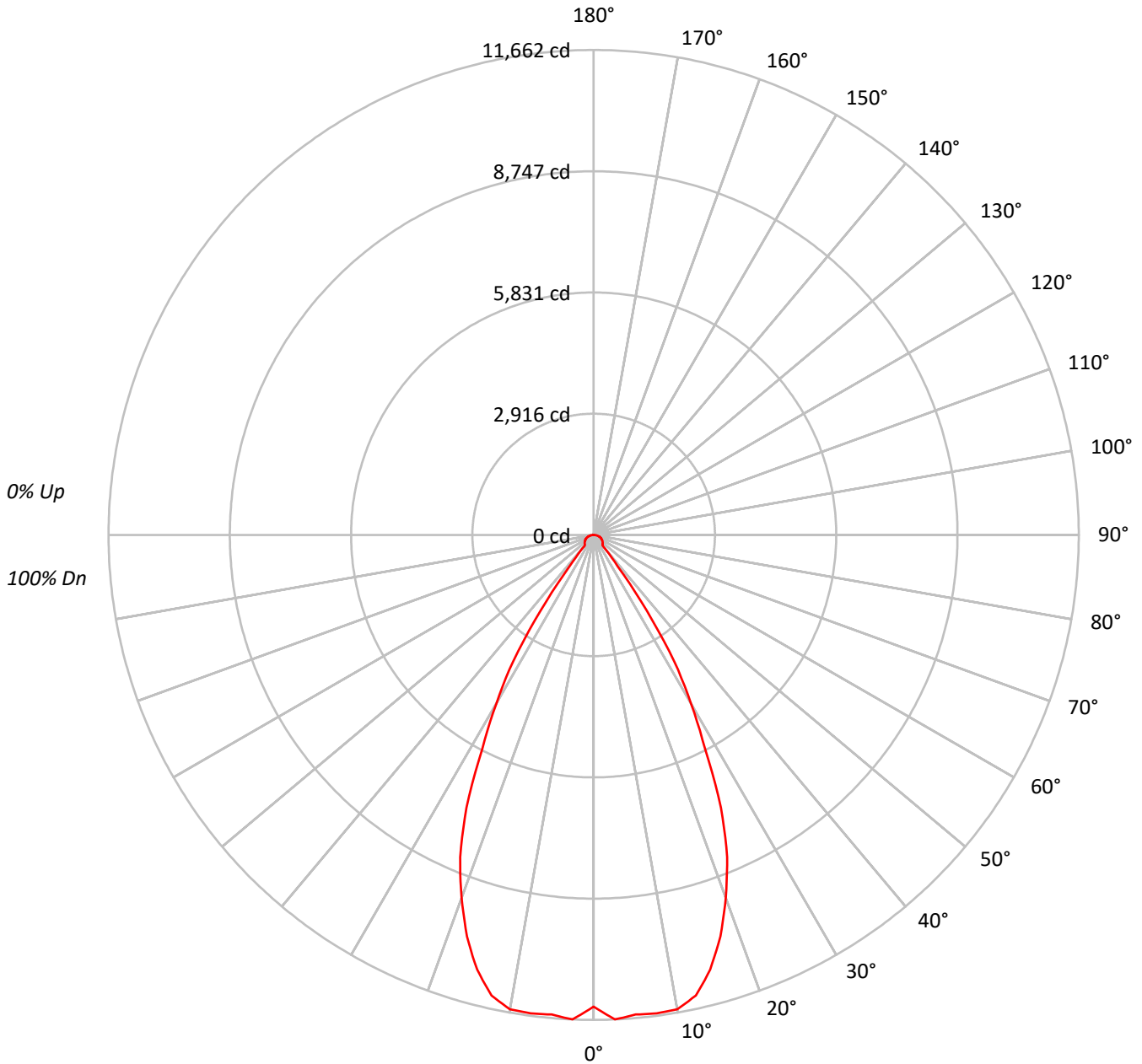
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1239378
5°	1269853
10°	1285191
15°	1224312
20°	1079466
25°	873102
30°	590584
35°	295950
40°	48009
45°	46989
50°	47934
55°	48651
60°	49998
65°	51138
70°	52359
75°	52980
80°	51092
85°	42623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 52980 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1106.6	11.6
10°-20°	2993.9	31.3
20°-30°	3221.2	33.7
30°-40°	1400.2	14.7
40°-50°	235.2	2.5
50°-60°	228.7	2.4
60°-70°	195.6	2.0
70°-80°	130.9	1.4
80°-90°	39.2	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°	7321.6	76.7
0°-40°	8721.8	91.3
0°-60°	9185.6	96.2
0°-90°	9551.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9551.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11343	
5°	11578	###
15°	10824	2994
25°	7242	3221
35°	2219	1400
45°	304	235
55°	255	229
65°	198	196
75°	126	131
85°	34	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11343.3
2.5°	11662.1
5°	11578.0
7.5°	11604.5
10°	11583.9
12.5°	11344.7
15°	10823.6
17.5°	10123.9
20°	9283.9
22.5°	8384.9
25°	7242.3
27.5°	5792.7
30°	4681.1
32.5°	3607.9
35°	2218.8
37.5°	949.2
40°	336.6
42.5°	310.0
45°	304.1
47.5°	293.8
50°	282.0
52.5°	268.7
55°	255.4
57.5°	242.1
60°	228.8
62.5°	214.1
65°	197.8
67.5°	181.6
70°	163.9
72.5°	144.7
75°	125.5
77.5°	103.3
80°	81.2
82.5°	57.6
85°	34.0
87.5°	11.8
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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