

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: P774675

Luminaire Tested: LD6D95BD010-EU6DR6070959030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774675
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: LD6D95BD010-EU6DR6070959030-6LBSQW1MW
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: 10078.6 lumens
Efficiency: N/A
Efficacy: 101.6 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

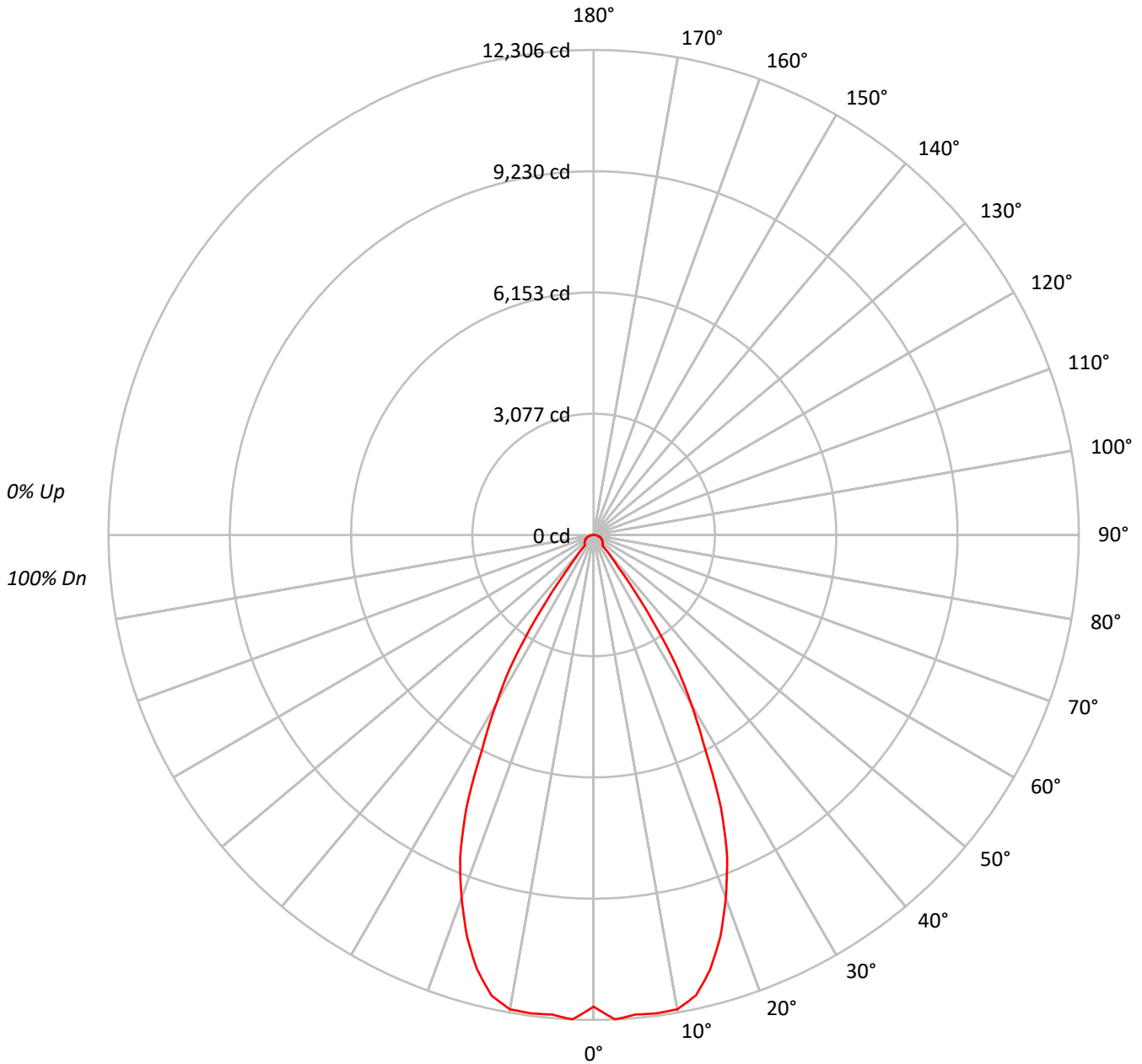
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1307797
5°	1339959
10°	1356141
15°	1291910
20°	1139067
25°	921312
30°	623184
35°	312289
40°	50662
45°	49585
50°	50569
55°	51337
60°	52751
65°	53956
70°	55234
75°	55893
80°	53923
85°	44880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 55893 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1167.7	11.6
10°-20°	3159.2	31.3
20°-30°	3399.0	33.7
30°-40°	1477.5	14.7
40°-50°	248.2	2.5
50°-60°	241.3	2.4
60°-70°	206.4	2.0
70°-80°	138.1	1.4
80°-90°	41.3	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°	7725.8	76.7
0°-40°	9203.3	91.3
0°-60°	9692.8	96.2
0°-90°	10078.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10078.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11970	
5°	12217	###
15°	11421	3159
25°	7642	3399
35°	2341	1477
45°	321	248
55°	270	241
65°	209	206
75°	132	138
85°	36	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11969.5
2.5°	12306.0
5°	12217.2
7.5°	12245.3
10°	12223.4
12.5°	11971.1
15°	11421.2
17.5°	10682.9
20°	9796.5
22.5°	8847.9
25°	7642.2
27.5°	6112.5
30°	4939.5
32.5°	3807.1
35°	2341.3
37.5°	1001.6
40°	355.2
42.5°	327.1
45°	320.9
47.5°	310.0
50°	297.5
52.5°	283.5
55°	269.5
57.5°	255.5
60°	241.4
62.5°	225.9
65°	208.7
67.5°	191.6
70°	172.9
72.5°	152.7
75°	132.4
77.5°	109.0
80°	85.7
82.5°	60.8
85°	35.8
87.5°	12.5
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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