

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: P774207

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9179.2 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

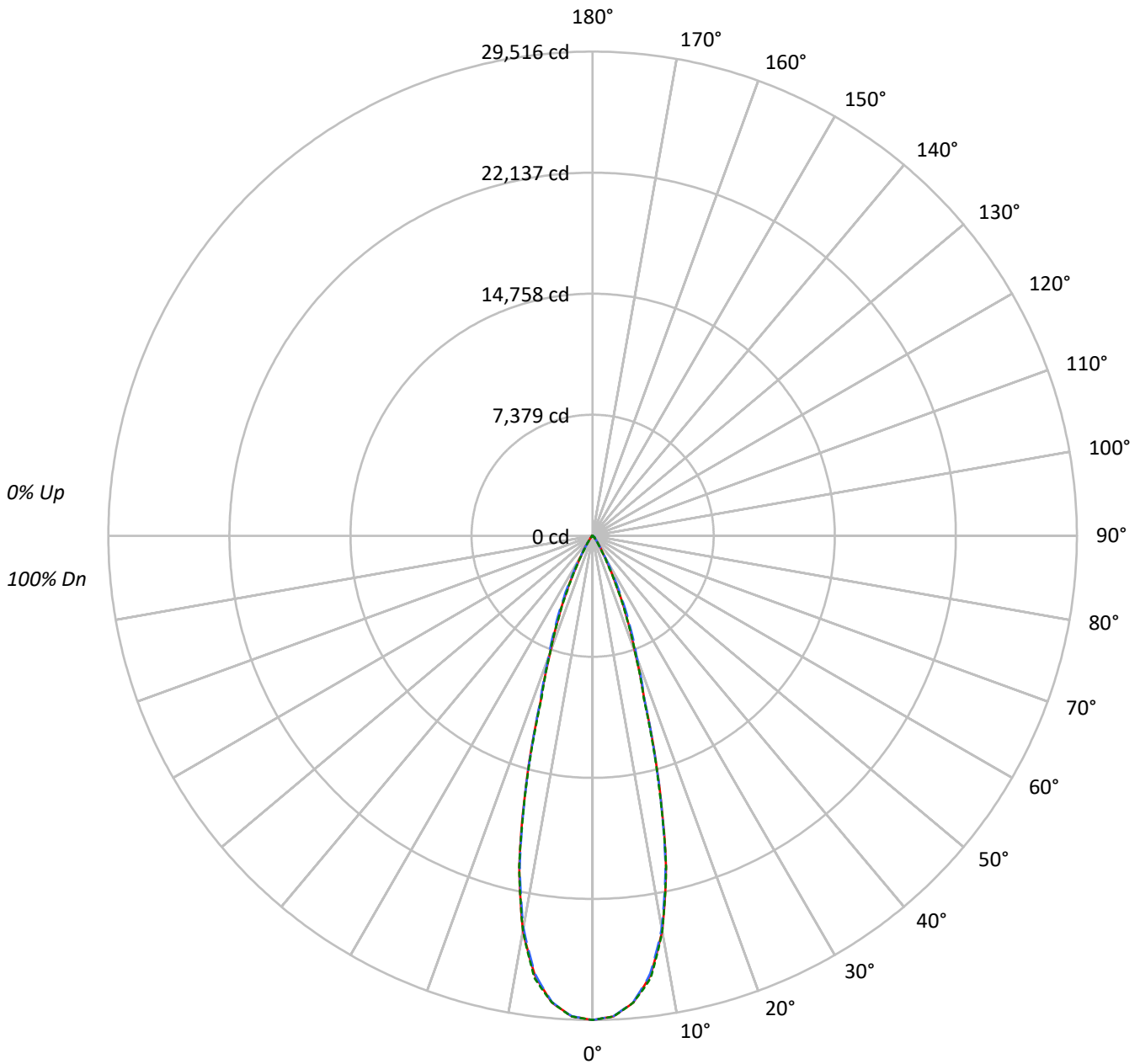
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2259247	2259247	2259247
5°	2194384	2191825	2194499
10°	1900668	1887268	1900225
15°	1240090	1233434	1227229
20°	616637	639778	615814
25°	310622	350274	304254
30°	124366	135511	108360
35°	57682	55243	46310
40°	24910	27658	23461
45°	17569	21801	17731
50°	6037	15873	6383
55°	3483	6579	3670
60°	2434	2878	2434
65°	1576	1576	1576
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2595.5	28.3
10°-20°	4180.0	45.5
20°-30°	1806.3	19.7
30°-40°	411.7	4.5
40°-50°	141.4	1.5
50°-60°	34.5	0.4
60°-70°	8.9	0.1
70°-80°	0.9	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°	8581.8	93.5
0°-40°	8993.5	98.0
0°-60°	9169.4	99.9
0°-90°	9179.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9179.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29516	29516	29516	29516	29516	
5°	28559	28532	28526	28586	28561	2598
15°	15649	15461	15565	15514	15487	4190
25°	3678	3817	4147	3720	3602	1760
35°	617	630	591	587	496	419
45°	162	201	201	201	164	115
55°	26	28	49	29	28	25
65°	9	9	9	9	9	9
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29515.9	29515.9	29515.9	29515.9	29515.9
2.5°	29320.2	29299.9	29311.5	29326.0	29331.8
5°	28559.4	28531.9	28526.1	28585.5	28560.9
7.5°	27024.8	26985.7	26926.3	27061.0	27187.1
10°	24454.0	24410.6	24281.6	24345.4	24448.3
12.5°	20658.8	20518.2	20515.3	20718.2	20690.7
15°	15649.1	15460.8	15565.1	15514.4	15486.8
17.5°	10523.6	10451.1	10590.2	10548.2	10367.1
20°	7570.2	7589.1	7854.3	7721.0	7560.1
22.5°	5524.1	5592.2	5906.6	5563.2	5437.1
25°	3677.9	3817.0	4147.4	3719.9	3602.5
27.5°	2262.1	2325.9	2660.6	2233.1	2169.3
30°	1407.1	1375.2	1533.2	1315.8	1226.0
32.5°	923.1	882.5	933.2	837.6	765.1
35°	617.3	630.4	591.2	586.9	495.6
37.5°	385.5	443.4	391.3	417.3	318.8
40°	249.3	321.7	276.8	305.8	234.8
42.5°	204.3	247.8	227.5	242.0	208.7
45°	162.3	201.4	201.4	201.4	163.8
47.5°	89.8	134.8	172.4	137.7	95.6
50°	50.7	68.1	133.3	71.0	53.6
52.5°	34.8	39.1	91.3	40.6	36.2
55°	26.1	27.5	49.3	29.0	27.5
57.5°	20.3	21.7	26.1	21.7	20.3
60°	15.9	15.9	18.8	17.4	15.9
62.5°	11.6	11.6	13.0	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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