

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: P774714

Luminaire Tested: LD6D95BD010-EU6DR6070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774714
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-EU6DR6070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10737.1 lumens
Efficiency: N/A
Efficacy: 108.2 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

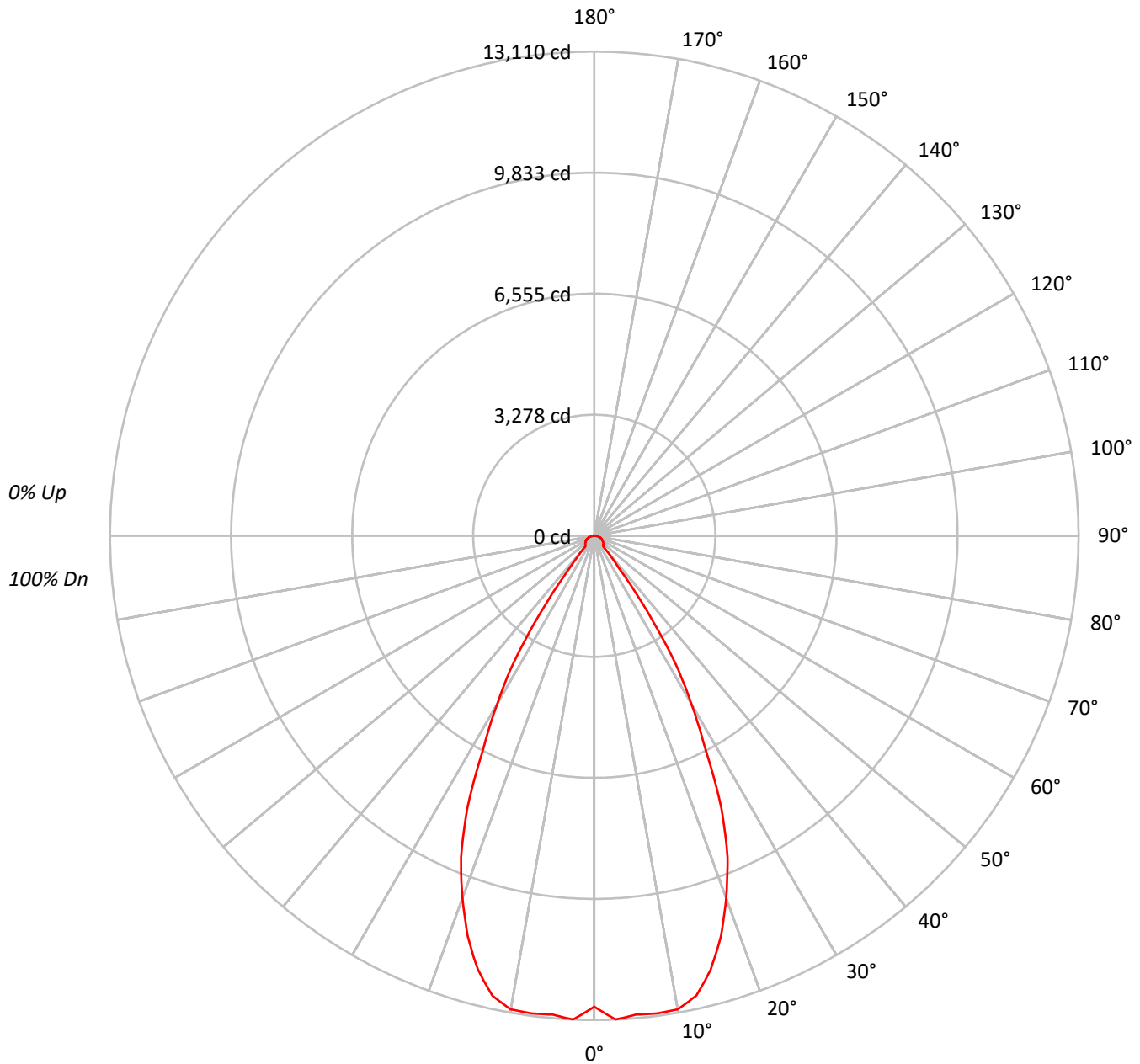
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1393239
5°	1427505
10°	1444742
15°	1376316
20°	1213493
25°	981506
30°	663910
35°	332683
40°	53971
45°	52830
50°	53884
55°	54690
60°	56204
65°	57498
70°	58844
75°	59566
80°	57447
85°	47889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 59566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1243.9	11.6
10°-20°	3365.6	31.3
20°-30°	3621.1	33.7
30°-40°	1574.0	14.7
40°-50°	264.4	2.5
50°-60°	257.1	2.4
60°-70°	219.9	2.0
70°-80°	147.1	1.4
80°-90°	44.0	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°	8230.6	76.7
0°-40°	9804.6	91.3
0°-60°	10326.1	96.2
0°-90°	10737.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10737.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12752	
5°	13015	###
15°	12167	3366
25°	8142	3621
35°	2494	1574
45°	342	264
55°	287	257
65°	222	220
75°	141	147
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12751.5
2.5°	13110.0
5°	13015.4
7.5°	13045.3
10°	13022.0
12.5°	12753.2
15°	12167.4
17.5°	11380.8
20°	10436.6
22.5°	9425.9
25°	8141.5
27.5°	6511.9
30°	5262.3
32.5°	4055.8
35°	2494.2
37.5°	1067.1
40°	378.4
42.5°	348.5
45°	341.9
47.5°	330.2
50°	317.0
52.5°	302.0
55°	287.1
57.5°	272.2
60°	257.2
62.5°	240.6
65°	222.4
67.5°	204.1
70°	184.2
72.5°	162.6
75°	141.1
77.5°	116.2
80°	91.3
82.5°	64.7
85°	38.2
87.5°	13.3
90°	0.0



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— 0°-180°







(END OF REPORT)