

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: P770060

Luminaire Tested: LD6D65D010-EU6DR6555659027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR6555659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6059.2 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

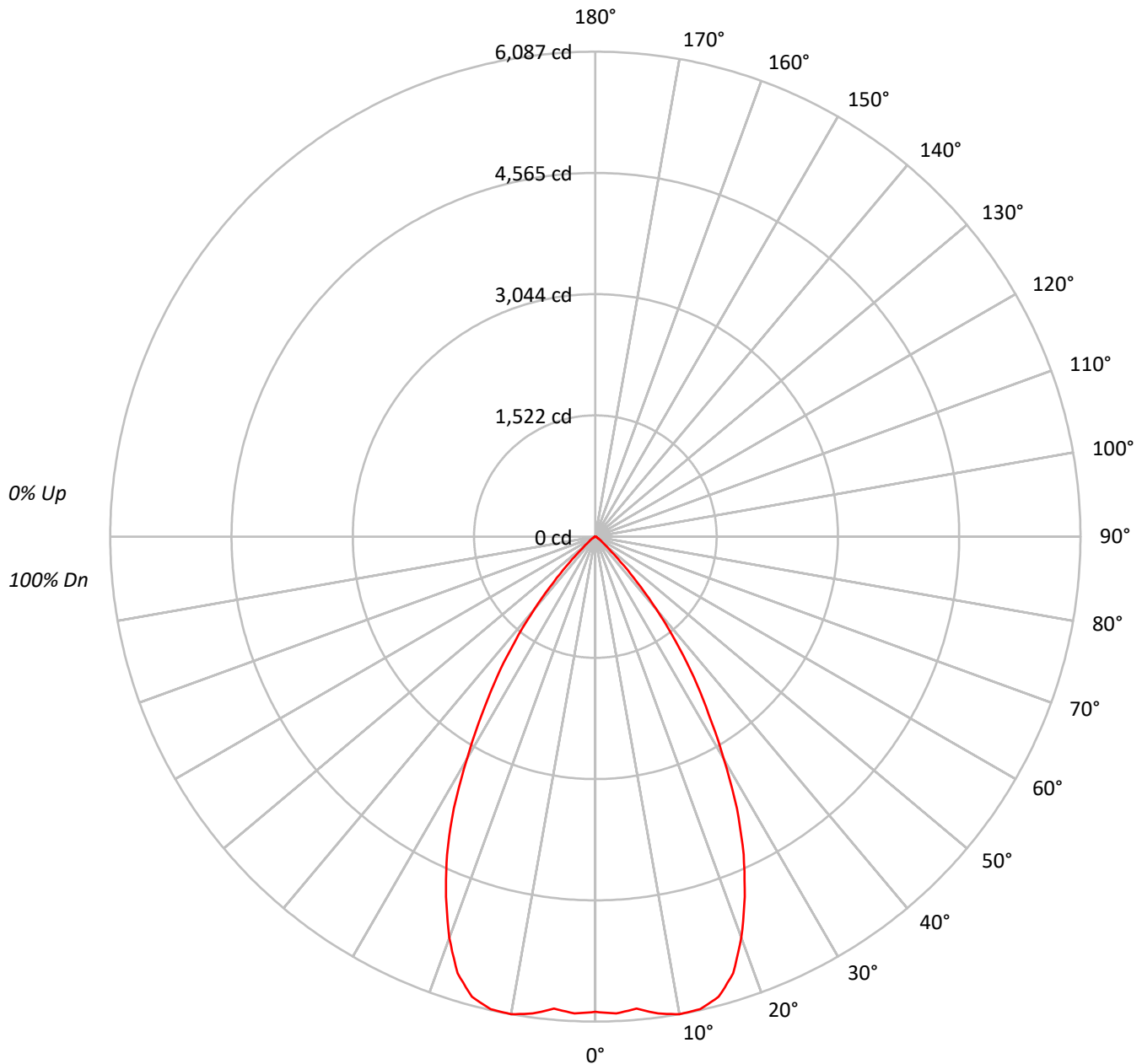
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	651817
5°	652354
10°	675330
15°	676451
20°	622781
25°	530639
30°	406221
35°	286986
40°	169401
45°	68776
50°	24936
55°	13887
60°	7976
65°	4395
70°	4600
75°	3588
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68776 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.4	9.5
10°-20°	1657.0	27.3
20°-30°	1988.1	32.8
30°-40°	1336.1	22.1
40°-50°	400.0	6.6
50°-60°	70.6	1.2
60°-70°	20.1	0.3
70°-80°	9.8	0.2
80°-90°	3.1	0.1
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°	4219.6	69.6
0°-40°	5555.7	91.7
0°-60°	6026.2	99.5
0°-90°	6059.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6059.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5966	
5°	5948	574
15°	5980	1657
25°	4402	1988
35°	2152	1336
45°	445	400
55°	73	71
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5965.7
2.5°	5991.2
5°	5947.9
7.5°	6037.8
10°	6087.0
12.5°	6075.1
15°	5980.2
17.5°	5747.9
20°	5356.2
22.5°	4895.0
25°	4401.6
27.5°	3844.6
30°	3219.8
32.5°	2653.5
35°	2151.6
37.5°	1655.7
40°	1187.7
42.5°	775.7
45°	445.1
47.5°	235.7
50°	146.7
52.5°	101.7
55°	72.9
57.5°	52.6
60°	36.5
62.5°	23.7
65°	17.0
67.5°	15.3
70°	14.4
72.5°	11.0
75°	8.5
77.5°	7.6
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)