

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: P772387

Luminaire Tested: LD6D80BD010-EU6DR6570959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772387
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: LD6D80BD010-EU6DR6570959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6528.8 lumens
Efficiency: N/A
Efficacy: 82.7 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

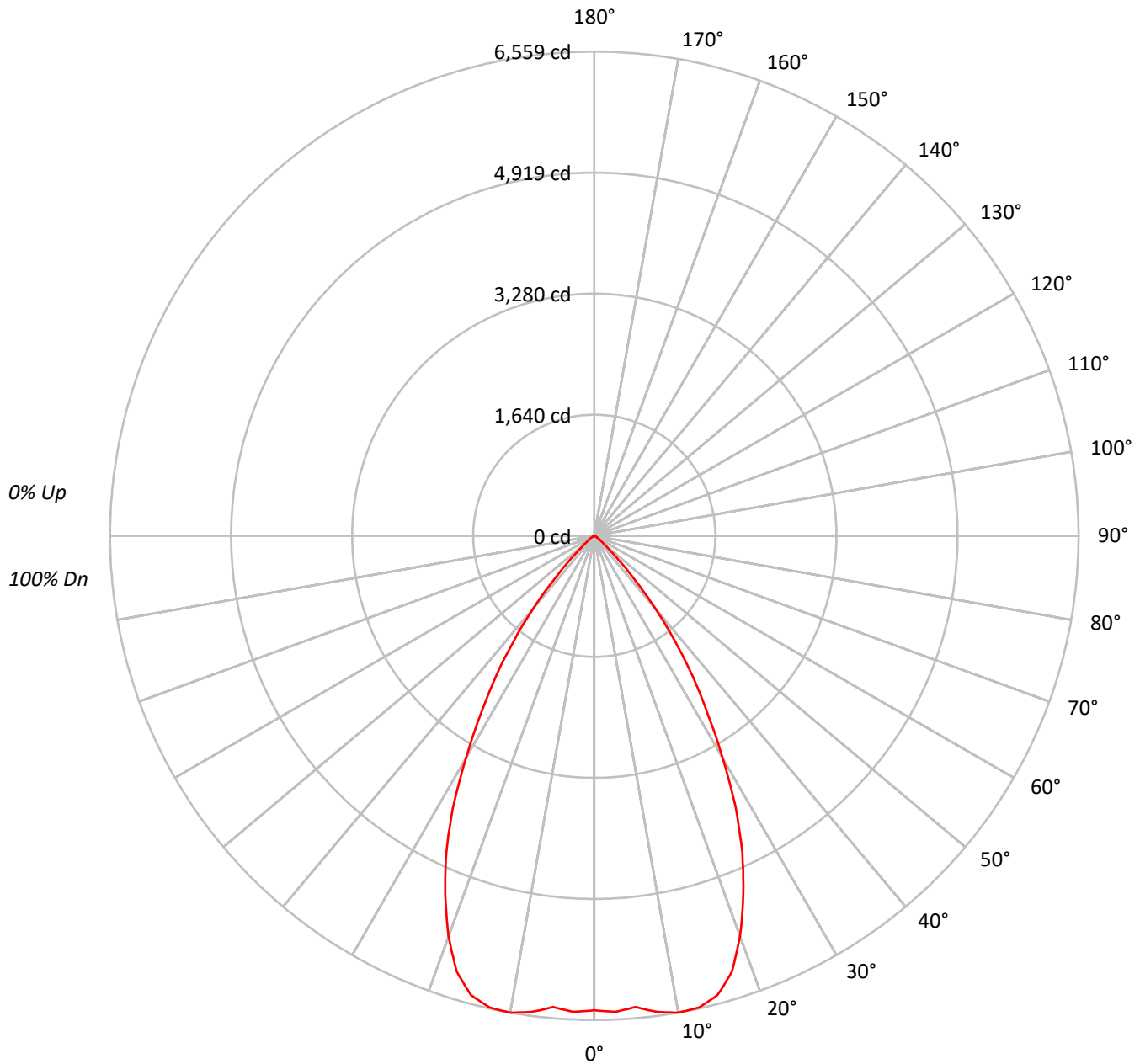
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	702339
5°	702916
10°	727663
15°	728868
20°	671046
25°	571760
30°	437711
35°	309235
40°	182538
45°	74107
50°	26857
55°	14973
60°	8588
65°	4731
70°	4952
75°	3842
80°	4027
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.0	9.5
10°-20°	1785.4	27.3
20°-30°	2142.2	32.8
30°-40°	1439.6	22.1
40°-50°	430.9	6.6
50°-60°	76.1	1.2
60°-70°	21.6	0.3
70°-80°	10.6	0.2
80°-90°	3.3	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°	4546.6	69.6
0°-40°	5986.2	91.7
0°-60°	6493.2	99.5
0°-90°	6528.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6528.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6428	
5°	6409	619
15°	6444	1785
25°	4743	2142
35°	2318	1440
45°	480	431
55°	79	76
65°	18	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6428.1
2.5°	6455.5
5°	6408.9
7.5°	6505.7
10°	6558.7
12.5°	6545.9
15°	6443.6
17.5°	6193.3
20°	5771.3
22.5°	5274.4
25°	4742.7
27.5°	4142.6
30°	3469.4
32.5°	2859.2
35°	2318.4
37.5°	1784.0
40°	1279.8
42.5°	835.8
45°	479.6
47.5°	253.9
50°	158.0
52.5°	109.6
55°	78.6
57.5°	56.6
60°	39.3
62.5°	25.6
65°	18.3
67.5°	16.4
70°	15.5
72.5°	11.9
75°	9.1
77.5°	8.2
80°	6.4
82.5°	4.6
85°	2.7
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)