

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: P771893

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771893
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: LD6D80BD010-EU6DR3070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8393.8 lumens
Efficiency: N/A
Efficacy: 106.4 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

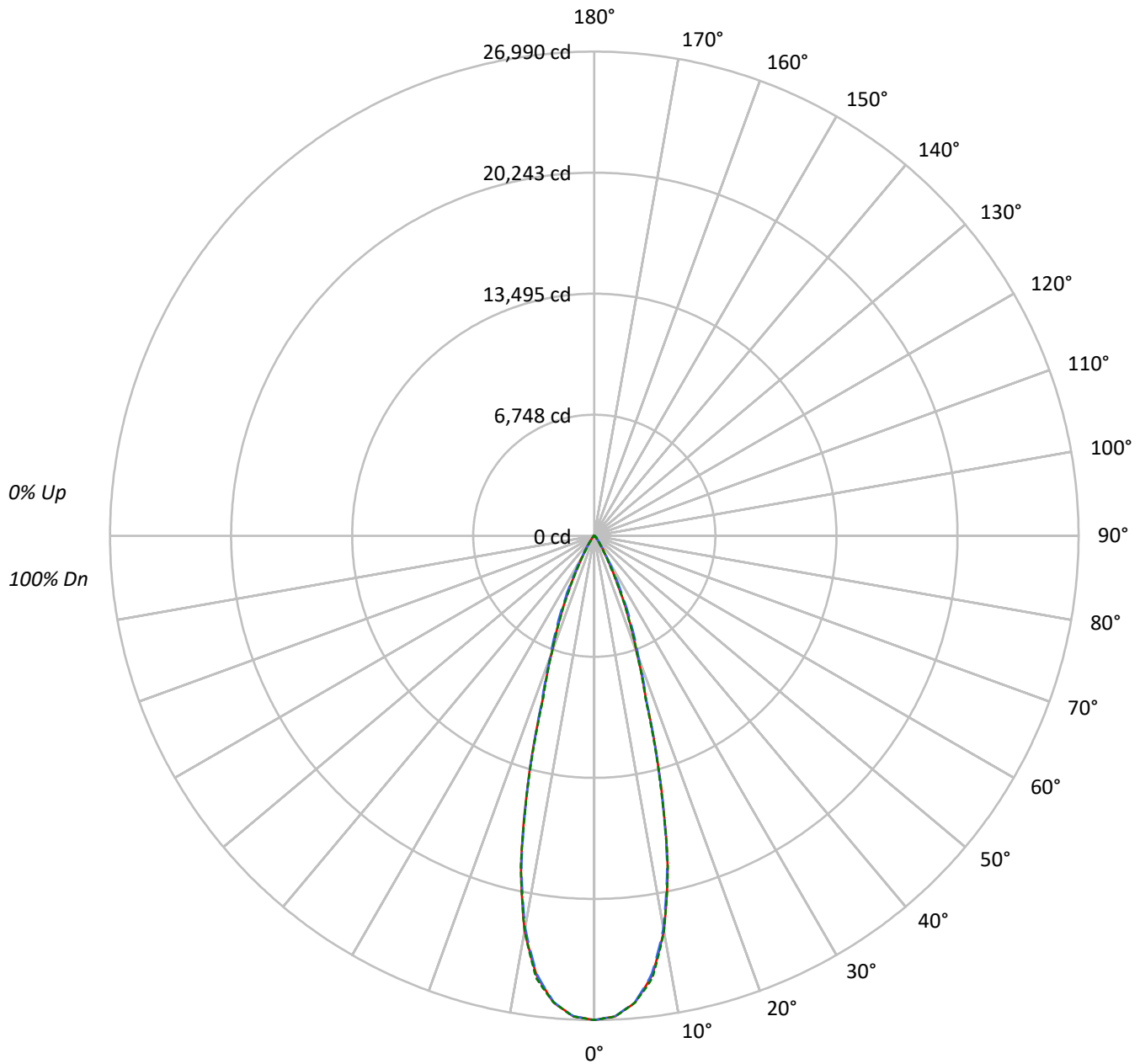
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2065922	2065922	2065922
5°	2006612	2004269	2006712
10°	1738030	1725773	1737618
15°	1133975	1127889	1122216
20°	563878	585032	563120
25°	284043	320300	278224
30°	113725	123915	99088
35°	52748	50524	42348
40°	22772	25290	21453
45°	16064	19939	16205
50°	5525	14516	5835
55°	3189	6019	3363
60°	2235	2633	2235
65°	1449	1449	1449
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19939 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2373.4	28.3
10°-20°	3822.3	45.5
20°-30°	1651.7	19.7
30°-40°	376.5	4.5
40°-50°	129.3	1.5
50°-60°	31.6	0.4
60°-70°	8.2	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°	7847.5	93.5
0°-40°	8223.9	98.0
0°-60°	8384.8	99.9
0°-90°	8393.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8393.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26990	26990	26990	26990	26990	
5°	26116	26090	26085	26140	26117	2375
15°	14310	14138	14233	14187	14162	3832
25°	3363	3490	3792	3402	3294	1610
35°	564	576	541	537	453	383
45°	148	184	184	184	150	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26990.2	26990.2	26990.2	26990.2	26990.2
2.5°	26811.3	26792.7	26803.3	26816.6	26821.9
5°	26115.6	26090.4	26085.1	26139.5	26116.9
7.5°	24712.3	24676.5	24622.2	24745.4	24860.7
10°	22361.5	22321.8	22203.8	22262.1	22356.2
12.5°	18891.0	18762.5	18759.8	18945.3	18920.2
15°	14310.0	14137.8	14233.2	14186.8	14161.6
17.5°	9623.1	9556.8	9684.0	9645.6	9480.0
20°	6922.5	6939.7	7182.2	7060.3	6913.2
22.5°	5051.4	5113.7	5401.2	5087.2	4971.9
25°	3363.2	3490.4	3792.5	3401.6	3294.3
27.5°	2068.5	2126.8	2432.9	2042.0	1983.7
30°	1286.7	1257.5	1402.0	1203.2	1121.1
32.5°	844.1	807.0	853.4	765.9	699.7
35°	564.5	576.4	540.7	536.7	453.2
37.5°	352.5	405.5	357.8	381.6	291.5
40°	227.9	294.2	253.1	279.6	214.7
42.5°	186.8	226.6	208.0	221.3	190.8
45°	148.4	184.2	184.2	184.2	149.7
47.5°	82.2	123.2	157.7	125.9	87.5
50°	46.4	62.3	121.9	64.9	49.0
52.5°	31.8	35.8	83.5	37.1	33.1
55°	23.9	25.2	45.1	26.5	25.2
57.5°	18.6	19.9	23.9	19.9	18.6
60°	14.6	14.6	17.2	15.9	14.6
62.5°	10.6	10.6	11.9	10.6	10.6
65°	8.0	8.0	8.0	8.0	8.0
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)