

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P672239

Luminaire Tested: **CCP-SA-2B-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672239
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

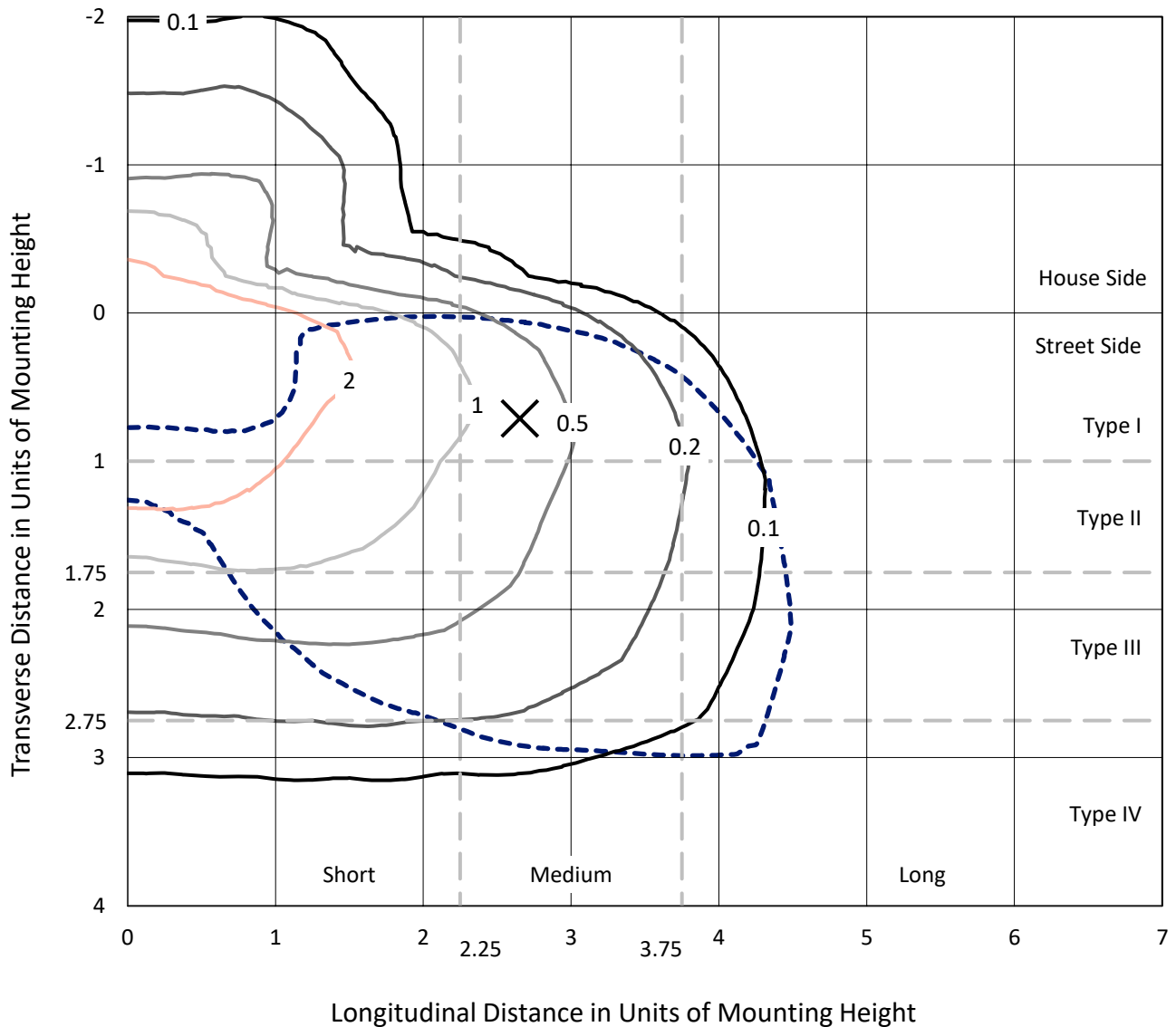
Lumens per Lamp: N/A
Luminaire Lumens: 6391.8 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

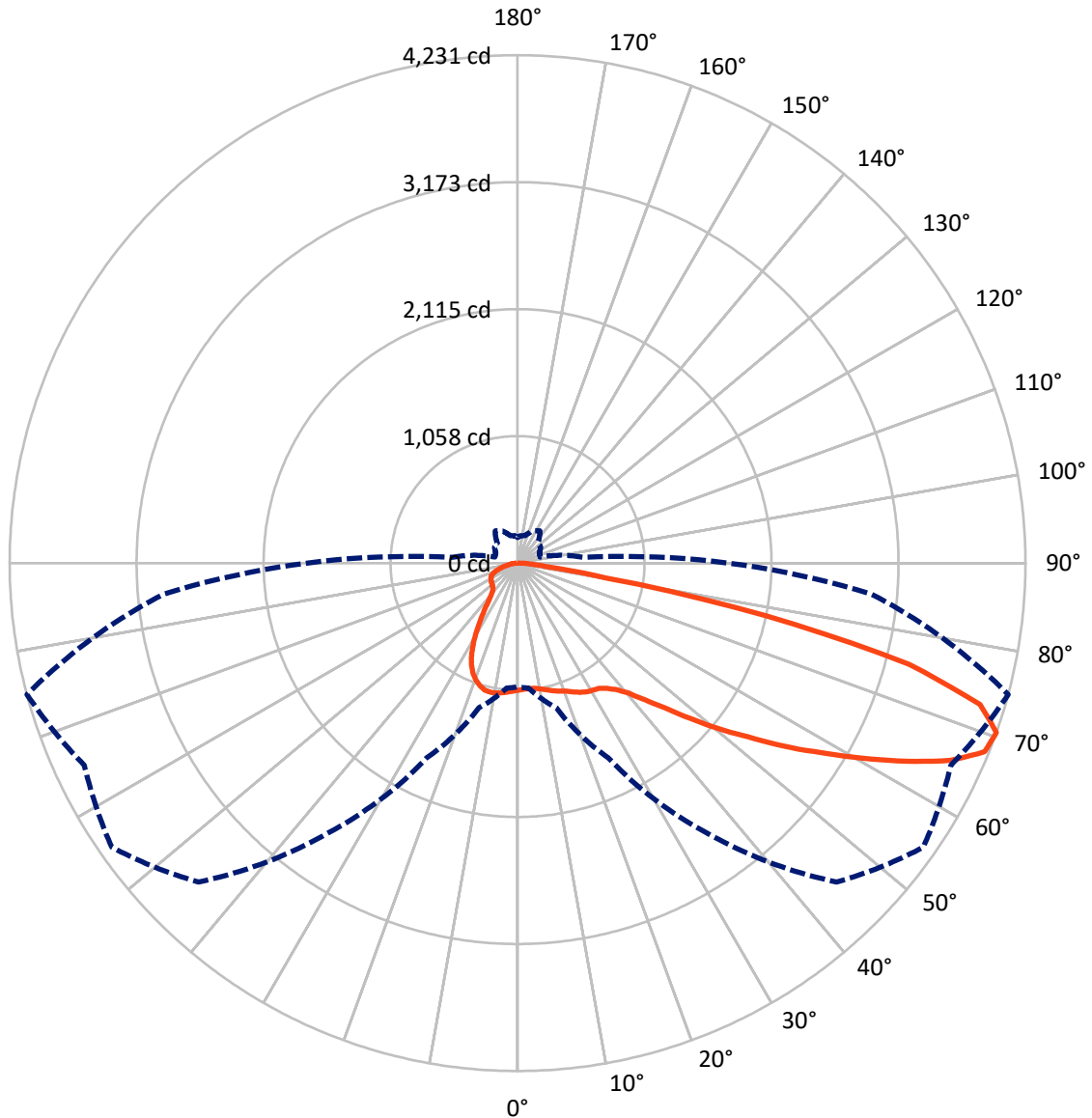
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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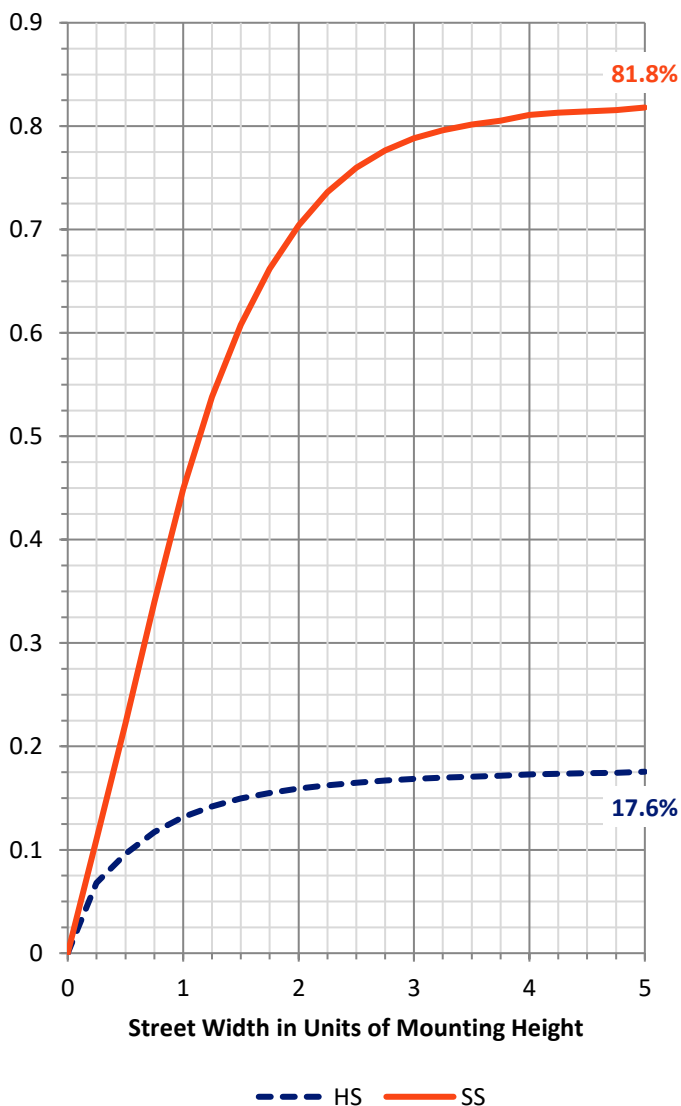
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1137.2	0.0	1137.2
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5254.6	0.0	5254.6
	% Fixture	82.2	0.0	82.2
Total	Lumens	6391.8	0.0	6391.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.5
10°-20°	253.8	4.0
20°-30°	427.7	6.7
30°-40°	649.5	10.2
40°-50°	930.6	14.6
50°-60°	1233.7	19.3
60°-70°	1543.9	24.2
70°-80°	1127.4	17.6
80°-90°	130.0	2.0
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°-90°	6391.8	100.0
0°-180°	6391.8	100.0



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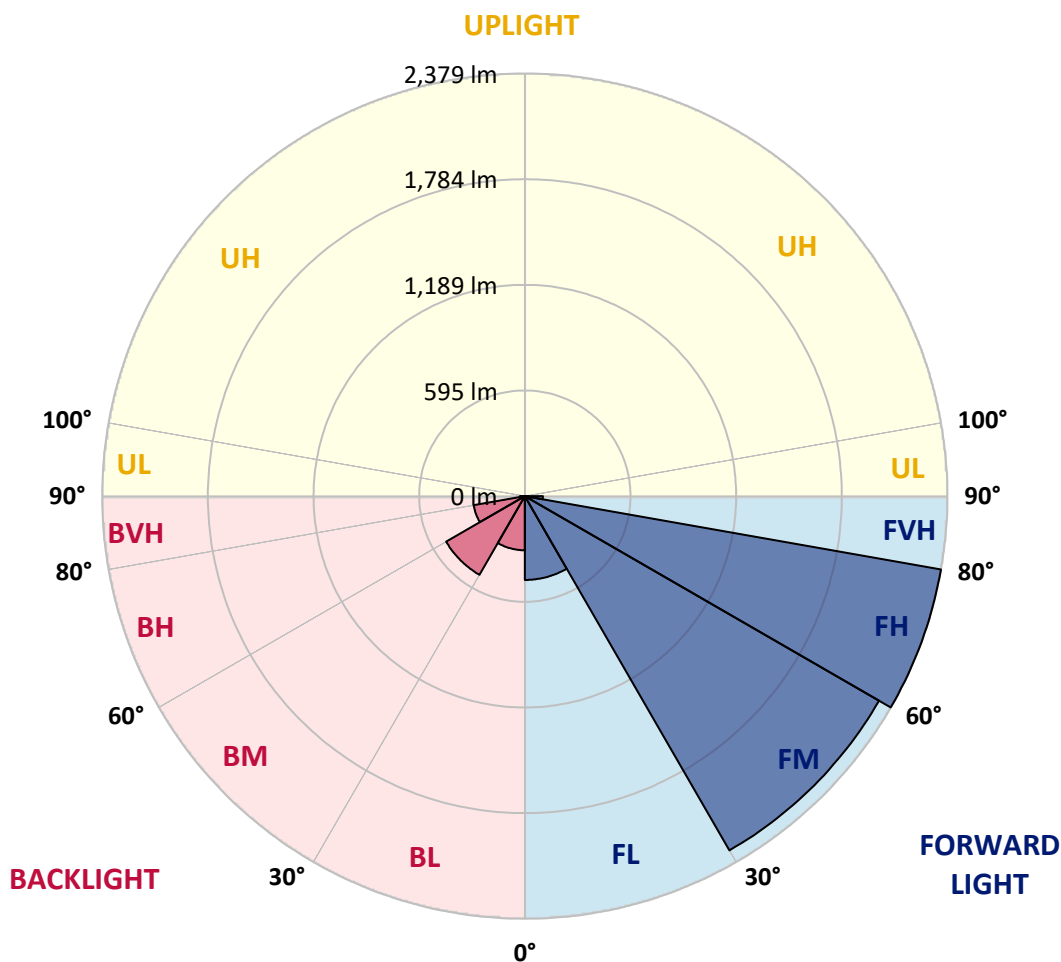
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.8	7.4			
FM (30°-60°)	2302.5	36.0			
FH (60°-80°)	2378.9	37.2			G2/5000
FVH (80°-90°)	101.4	1.6			G2/225
BL (0°-30°)	304.8	4.8	B1/500		
BM (30°-60°)	511.3	8.0	B1/1000		
BH (60°-80°)	292.5	4.6	B1/500		G1/500
BVH (80°-90°)	28.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8
2.5°	1000.8	1006.3	1011.4	1016.5	1020.6	1031.6	1033.9	1045.9	1049.1	1051.9	1055.5
5°	944.7	948.8	953.9	962.2	970.9	990.7	1004.5	1030.7	1045.4	1050.0	1062.9
7.5°	914.3	915.7	922.6	929.5	939.6	959.0	977.8	1018.8	1048.2	1053.2	1080.8
10°	892.3	894.1	900.5	910.2	920.3	938.3	961.7	1010.5	1058.3	1066.1	1105.2
12.5°	884.5	883.5	890.9	897.3	911.6	934.1	958.5	1010.9	1072.1	1083.1	1140.6
15°	915.7	909.7	914.3	912.0	916.6	938.7	967.7	1021.1	1089.1	1102.9	1177.4
17.5°	984.7	979.7	976.4	956.7	943.8	956.2	983.8	1035.3	1107.1	1121.8	1210.5
20°	1087.7	1073.5	1061.5	1028.4	992.5	988.4	1007.7	1049.6	1124.1	1138.3	1245.5
22.5°	1205.0	1193.5	1174.2	1116.3	1060.6	1033.0	1038.1	1075.8	1148.9	1164.5	1285.5
25°	1353.1	1352.7	1313.1	1234.9	1150.8	1095.1	1084.5	1117.6	1177.0	1192.1	1318.6
27.5°	1521.9	1510.4	1463.5	1362.8	1257.0	1171.9	1147.1	1160.4	1199.5	1215.1	1345.3
30°	1666.3	1667.7	1619.9	1510.0	1370.1	1246.9	1200.0	1191.2	1214.2	1229.9	1370.1
32.5°	1820.9	1813.1	1769.4	1656.2	1492.5	1327.4	1234.0	1213.3	1229.4	1244.1	1404.6
35°	1966.2	1957.5	1919.8	1797.9	1627.2	1416.1	1280.0	1247.8	1265.3	1281.4	1446.9
37.5°	2104.7	2106.0	2063.3	1946.9	1757.9	1521.0	1348.1	1299.8	1318.6	1336.6	1511.3
40°	2225.6	2218.7	2185.6	2080.7	1893.5	1627.7	1424.9	1370.6	1407.4	1424.0	1592.7
42.5°	2264.2	2263.8	2276.7	2212.3	2036.1	1754.6	1520.5	1481.0	1533.0	1557.8	1692.6
45°	2230.7	2240.8	2315.3	2313.5	2178.7	1900.4	1651.2	1615.3	1690.3	1718.3	1814.4
47.5°	2197.6	2212.7	2313.9	2371.4	2306.6	2061.0	1811.7	1785.0	1892.6	1933.1	1940.9
50°	2149.3	2163.5	2284.0	2379.7	2384.8	2223.3	2019.6	1986.0	2124.4	2165.8	2078.4
52.5°	2095.5	2106.5	2231.1	2373.7	2422.0	2350.3	2223.3	2213.7	2372.8	2406.4	2218.3
55°	1798.3	1845.3	2153.4	2360.8	2447.8	2447.3	2421.5	2453.3	2643.7	2693.8	2374.2
57.5°	1627.7	1652.5	1934.5	2353.5	2496.1	2537.0	2626.2	2694.3	2933.0	2978.1	2546.2
60°	1572.1	1594.1	1824.6	2344.7	2592.2	2677.3	2826.3	2936.7	3243.9	3299.1	2738.4
62.5°	1521.5	1548.1	1779.9	2275.3	2708.5	2899.4	3065.0	3198.8	3571.8	3637.1	2929.8
65°	1418.4	1437.3	1698.1	2216.9	2818.9	3216.3	3409.5	3487.7	3889.7	3963.2	3056.7
67.5°	1240.4	1258.4	1513.6	2082.6	2890.7	3546.1	3786.2	3786.6	4135.3	4195.5	3083.4
70°	1031.2	1045.0	1247.8	1790.1	2741.2	3757.7	4126.1	3982.1	4204.7	4230.9	2956.4
72.5°	737.3	749.2	913.9	1323.2	2247.7	3586.1	4203.3	3973.8	4036.4	4028.1	2595.4
75°	454.4	477.4	559.7	807.6	1396.8	2821.7	3782.9	3600.8	3389.2	3366.2	1954.3
77.5°	296.2	308.2	378.5	476.5	616.3	1619.9	2873.2	2699.8	2140.1	2113.4	1050.5
80°	178.0	197.8	247.9	299.4	279.2	619.5	1640.6	1341.2	756.1	747.9	322.9
82.5°	95.7	113.6	174.8	185.4	156.8	218.9	594.2	436.0	241.9	239.2	121.0
85°	75.9	84.6	125.6	117.3	88.8	110.8	231.8	181.7	124.2	121.4	45.5
87.5°	46.0	58.0	95.2	79.1	44.2	40.0	106.2	86.0	58.4	54.3	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8	1058.8
2.5°	1062.4	1064.7	1067.0	1062.4	1064.3	1062.0	1062.0	1062.0	1056.0	1054.2	1059.7
5°	1072.6	1075.8	1077.6	1063.4	1054.6	1041.7	1031.2	1015.1	1005.9	999.9	999.9
7.5°	1093.3	1096.9	1088.7	1056.9	1026.1	991.6	956.2	926.8	905.6	896.4	899.2
10°	1123.6	1125.0	1097.4	1039.0	973.2	909.3	859.2	820.1	793.8	780.5	778.7
12.5°	1159.0	1153.1	1099.2	999.4	901.9	815.9	754.7	704.2	670.6	657.7	651.3
15°	1194.0	1179.7	1092.3	952.1	821.0	717.5	639.3	591.5	570.8	564.8	562.5
17.5°	1225.3	1198.6	1069.3	884.0	727.2	602.5	545.0	528.0	530.3	535.8	538.1
20°	1253.8	1212.8	1036.2	803.0	609.9	512.8	498.6	514.2	527.1	535.4	536.7
22.5°	1285.1	1226.6	990.2	704.6	513.7	471.4	488.4	506.4	519.3	527.5	528.9
25°	1309.0	1226.2	925.4	587.8	453.0	460.4	480.6	496.7	506.4	512.4	511.9
27.5°	1324.1	1215.1	840.3	491.7	429.1	452.6	471.9	482.5	488.0	492.6	492.1
30°	1328.7	1194.0	733.1	420.8	418.1	445.2	459.9	466.4	470.5	475.1	475.1
32.5°	1337.9	1161.3	614.9	381.3	409.8	437.9	446.6	451.7	448.4	436.9	434.6
35°	1348.1	1125.0	503.2	362.9	402.0	432.8	441.1	427.7	392.8	388.2	386.3
37.5°	1367.8	1091.4	408.4	350.0	400.1	435.6	442.5	389.1	359.7	345.4	343.1
40°	1401.4	1057.8	344.9	340.8	402.4	447.5	424.1	370.7	322.0	294.8	290.2
42.5°	1445.6	1016.9	309.1	336.2	408.9	466.8	417.6	344.5	291.1	272.7	270.0
45°	1496.6	962.6	292.1	335.3	416.7	476.5	419.5	323.3	277.3	263.1	262.2
47.5°	1549.5	909.3	284.7	334.4	426.4	472.4	394.2	316.9	271.8	267.7	270.4
50°	1606.5	848.6	278.7	332.1	434.2	472.4	380.4	315.5	273.7	282.9	292.1
52.5°	1659.9	797.5	271.8	325.2	437.4	464.1	376.2	320.6	276.4	274.1	276.9
55°	1724.7	771.3	268.1	315.5	431.4	438.8	371.2	334.4	278.7	259.9	259.9
57.5°	1798.8	765.8	262.6	302.6	412.1	403.8	370.7	342.6	272.7	255.3	252.0
60°	1888.0	777.7	255.7	286.5	388.6	376.7	367.5	342.6	263.1	247.4	248.8
62.5°	1960.2	776.4	251.6	272.3	357.4	348.6	361.5	338.1	259.4	246.5	246.1
65°	1977.3	746.9	239.6	253.9	318.7	314.6	355.1	326.6	254.3	241.5	237.8
67.5°	1919.8	680.2	221.7	229.5	277.8	278.3	343.6	311.4	247.4	238.7	232.7
70°	1756.5	550.1	195.0	200.1	233.6	239.6	326.6	293.4	235.9	226.7	212.5
72.5°	1469.9	395.5	164.2	165.6	185.8	201.5	297.1	269.1	218.9	197.3	182.1
75°	1088.2	262.6	133.8	132.0	139.4	163.7	253.9	241.9	196.9	163.7	155.9
77.5°	575.4	155.5	103.0	103.5	98.9	125.6	201.5	210.2	174.8	138.0	130.2
80°	196.9	93.4	74.0	77.3	69.9	89.7	149.5	174.8	149.5	115.0	101.6
82.5°	90.1	57.0	52.9	55.2	50.1	60.7	102.6	132.5	119.1	83.7	67.6
85°	45.5	34.0	34.0	37.3	33.1	31.3	56.6	87.8	87.4	57.5	49.7
87.5°	18.9	16.6	15.6	17.9	15.6	12.0	16.1	31.7	46.0	34.5	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)