

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: P672192

Luminaire Tested: **CCP-SA-1F-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672192
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

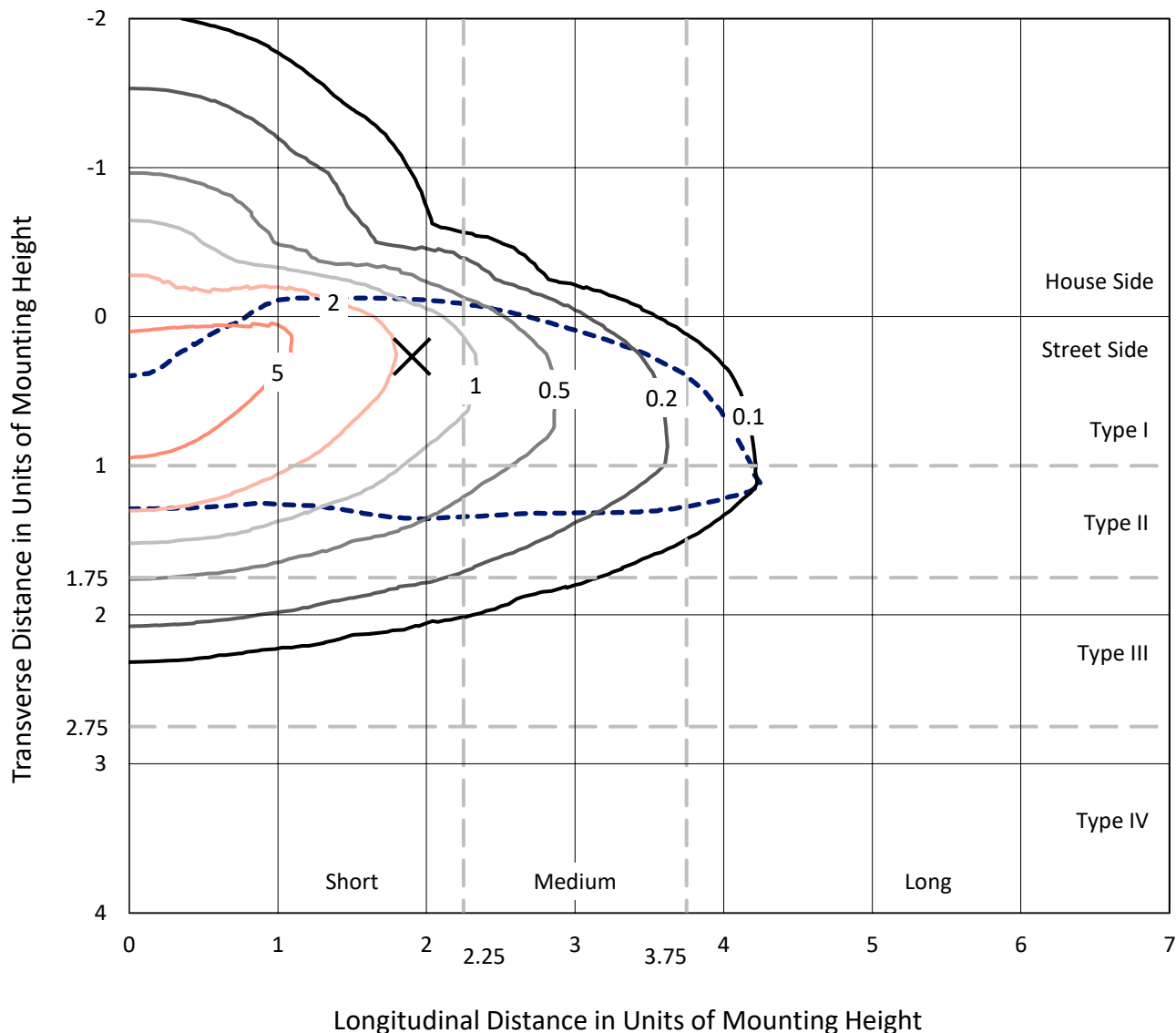
Lumens per Lamp: N/A
Luminaire Lumens: 6645.6 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

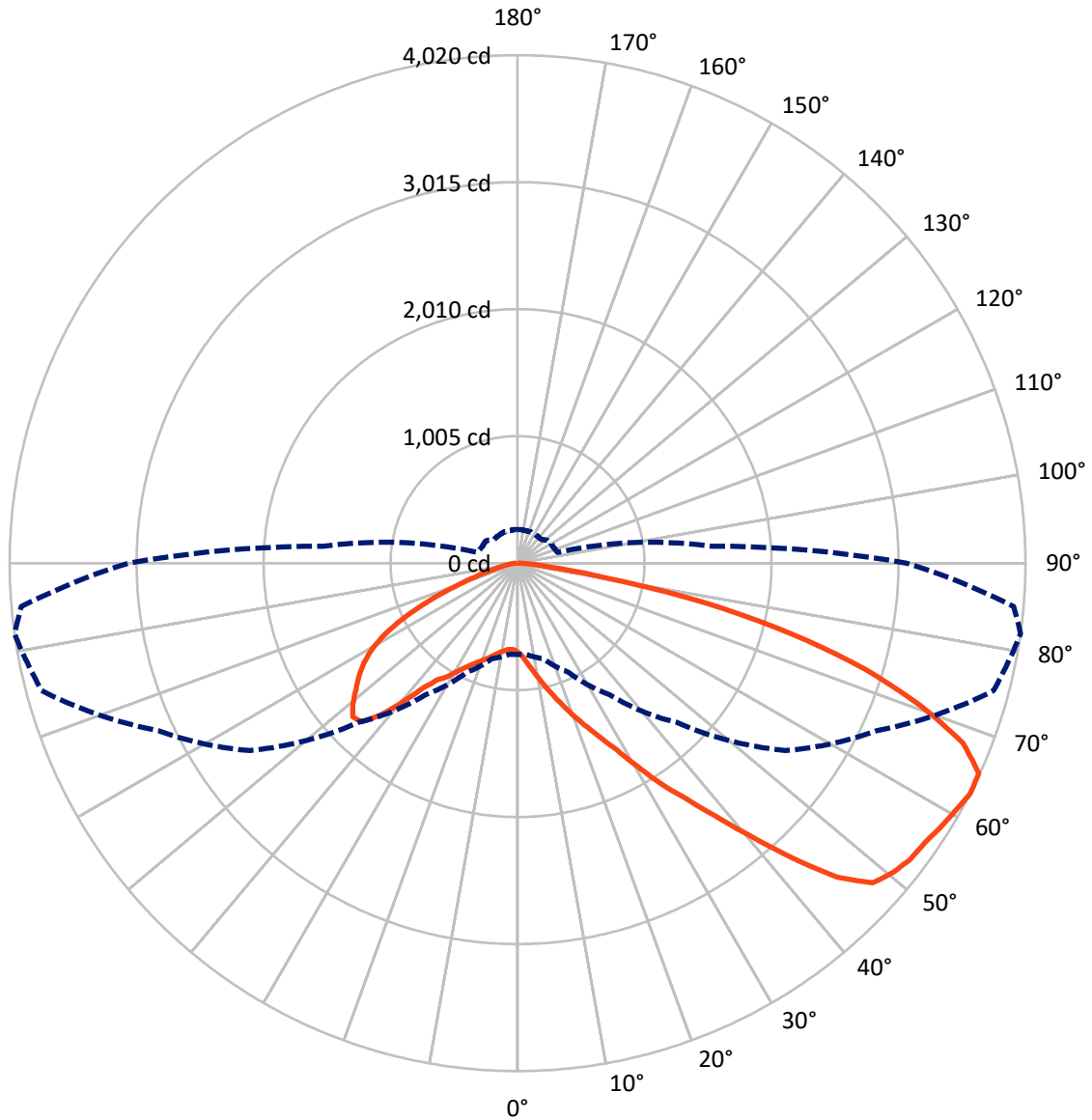
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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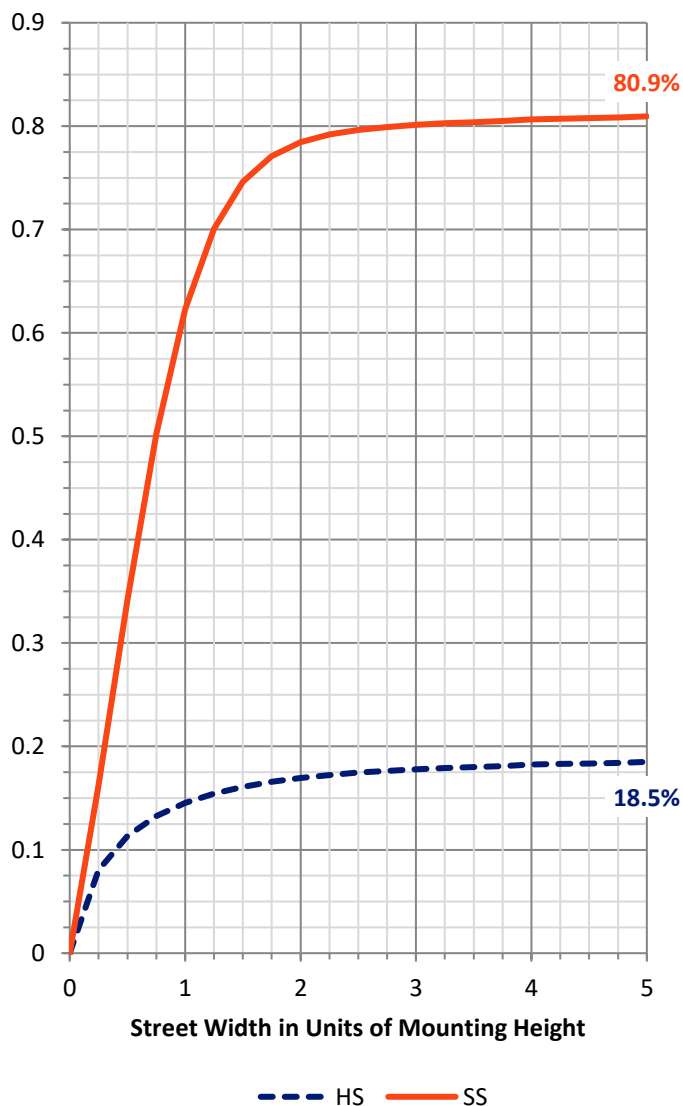
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.0	0.0	1252.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5393.6	0.0	5393.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	6645.6	0.0	6645.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.2
10°-20°	295.0	4.4
20°-30°	610.9	9.2
30°-40°	1036.8	15.6
40°-50°	1411.9	21.2
50°-60°	1429.1	21.5
60°-70°	1126.3	16.9
70°-80°	554.9	8.3
80°-90°	102.6	1.5
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°	6645.6	100.0
0°-180°	6645.6	100.0



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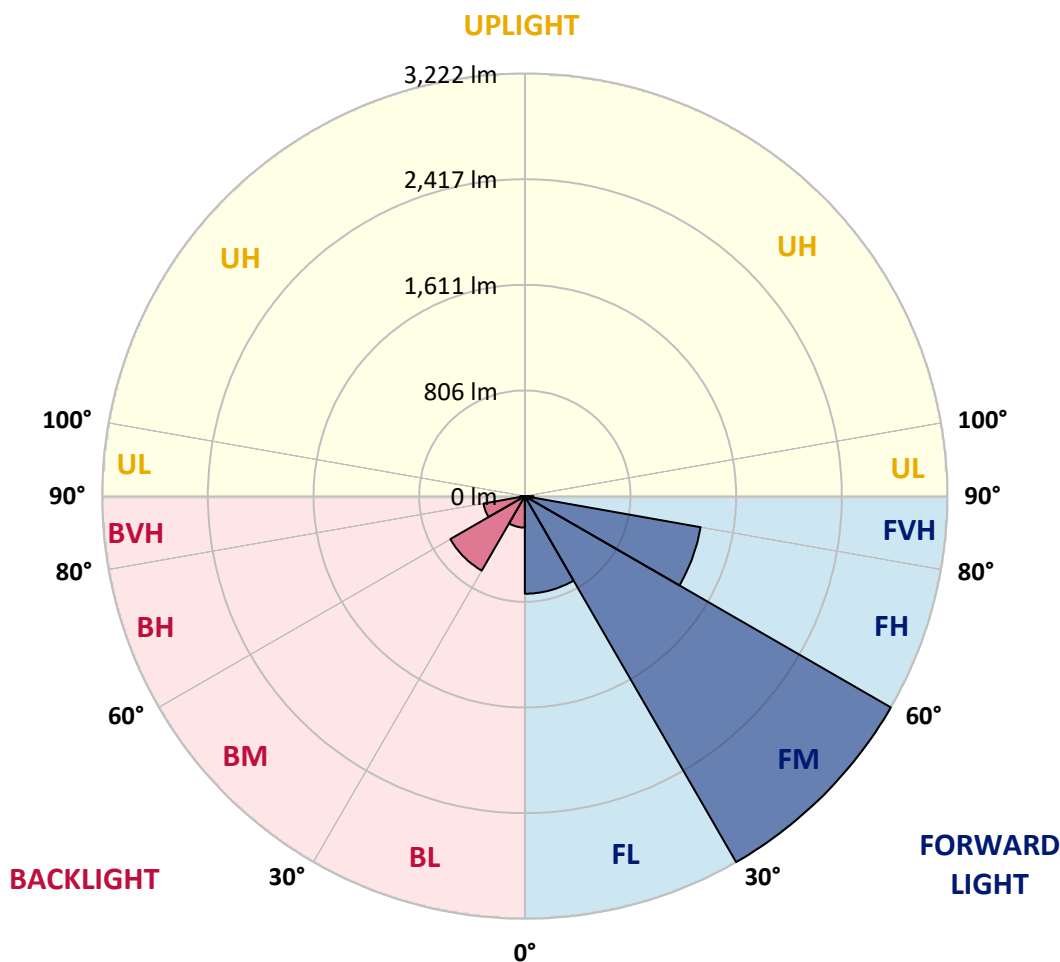
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.8	11.2			
FM (30°-60°)	3222.0	48.5			
FH (60°-80°)	1361.1	20.5			G1/1800
FVH (80°-90°)	66.7	1.0			G1/100
BL (0°-30°)	240.2	3.6	B1/500		
BM (30°-60°)	655.8	9.9	B1/1000		
BH (60°-80°)	320.0	4.8	B1/500		G1/500
BVH (80°-90°)	36.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7
2.5°	941.2	926.8	919.2	910.5	886.6	871.3	842.6	809.1	770.4	737.3	731.1
5°	1139.7	1125.4	1127.3	1106.2	1071.3	1038.8	985.2	922.0	848.3	791.9	772.3
7.5°	1279.9	1264.1	1268.0	1259.4	1231.1	1195.2	1127.3	1046.0	938.3	854.6	823.0
10°	1373.7	1375.6	1378.5	1375.2	1357.0	1331.6	1264.1	1174.2	1040.2	928.7	885.7
12.5°	1479.9	1485.2	1484.2	1485.7	1476.1	1456.0	1390.0	1305.3	1148.8	1008.6	952.7
15°	1615.3	1610.1	1614.4	1620.6	1610.1	1588.1	1529.7	1429.2	1262.7	1097.6	1028.3
17.5°	1763.7	1752.7	1764.2	1757.9	1750.3	1735.9	1671.8	1564.6	1380.4	1193.8	1112.5
20°	1891.9	1884.7	1891.0	1891.9	1893.3	1890.5	1824.4	1710.6	1503.9	1298.6	1203.4
22.5°	2035.9	2032.6	2031.6	2032.1	2033.5	2036.9	1991.9	1870.4	1640.7	1408.6	1301.5
25°	2237.4	2234.0	2212.0	2187.6	2173.3	2183.8	2160.3	2051.7	1791.9	1532.1	1409.1
27.5°	2463.2	2458.0	2428.8	2367.0	2321.1	2328.8	2326.4	2251.7	1966.1	1673.7	1538.3
30°	2697.7	2684.7	2644.6	2558.0	2485.7	2472.3	2479.0	2454.1	2185.2	1861.8	1718.2
32.5°	2906.8	2882.8	2829.7	2742.2	2656.0	2617.3	2618.2	2629.2	2423.5	2080.9	1906.7
35°	3034.5	3018.7	2979.0	2890.5	2794.3	2768.5	2761.3	2816.3	2642.2	2283.8	2075.6
37.5°	3103.4	3088.1	3045.5	2974.2	2901.5	2891.0	2904.4	2989.5	2890.5	2536.9	2305.3
40°	3091.0	3074.7	3047.0	2997.2	2949.3	2957.5	3016.8	3148.4	3161.8	2839.8	2632.6
42.5°	2988.6	2971.4	2969.0	2965.6	2943.1	2979.0	3086.2	3264.7	3411.1	3189.5	3028.8
45°	2807.7	2797.2	2809.6	2867.1	2895.3	2964.7	3118.7	3321.1	3630.2	3545.1	3403.4
47.5°	2578.5	2572.3	2600.5	2691.4	2782.8	2920.6	3140.3	3336.4	3780.9	3780.9	3648.9
50°	2322.1	2319.7	2357.0	2489.1	2632.1	2839.8	3137.9	3350.8	3847.0	3850.3	3735.5
52.5°	1964.2	1976.6	2076.1	2250.3	2444.6	2713.0	3104.4	3391.0	3884.3	3892.0	3793.4
55°	1551.7	1563.7	1713.9	1948.4	2197.2	2558.9	3004.4	3379.0	3891.5	3908.7	3826.4
57.5°	1238.8	1241.2	1335.0	1613.4	1921.6	2361.8	2889.1	3299.6	3870.4	3945.5	3877.1
60°	969.4	977.1	1039.7	1260.3	1602.0	2107.7	2760.3	3221.1	3882.4	3980.5	3923.1
62.5°	722.0	723.9	782.3	953.1	1272.8	1783.8	2585.7	3137.4	3899.1	4019.7	3941.7
65°	470.3	469.9	526.3	680.4	950.7	1434.0	2311.5	3006.3	3900.6	4011.1	3856.1
67.5°	299.0	301.0	325.4	422.5	636.4	1082.3	1938.3	2762.7	3832.6	3802.5	3544.1
70°	242.6	243.1	250.7	276.1	387.6	739.7	1457.0	2381.9	3617.8	3386.7	3080.5
72.5°	216.3	216.8	220.6	223.5	258.4	444.5	956.0	1934.0	3236.0	2886.7	2555.6
75°	194.3	194.3	196.7	193.8	212.0	279.0	542.6	1454.1	2665.1	2247.9	1930.7
77.5°	170.3	169.9	169.9	168.4	183.3	203.8	271.8	1014.9	1919.7	1533.0	1252.2
80°	144.5	143.5	145.0	144.0	158.4	154.5	158.4	626.3	1040.7	702.9	533.0
82.5°	112.4	112.4	116.7	117.7	130.6	112.0	111.5	297.1	395.2	262.7	196.7
85°	58.9	66.0	89.0	92.8	98.6	70.3	81.8	138.8	158.4	100.5	71.8
87.5°	17.7	18.7	54.5	61.2	60.8	35.4	50.2	67.0	74.2	44.5	29.2
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°	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7
2.5°	715.3	698.6	663.2	631.6	607.7	584.7	568.9	560.8	550.3	551.7	548.3
5°	737.3	702.9	640.2	589.5	555.5	529.7	513.9	505.8	498.1	494.3	497.1
7.5°	770.4	716.8	629.2	568.0	532.5	510.5	501.9	499.5	497.6	496.2	498.6
10°	812.9	741.2	627.3	560.3	527.8	514.4	511.0	509.6	507.7	505.8	507.2
12.5°	856.5	768.0	634.0	562.2	535.4	525.4	521.1	519.2	514.4	512.0	512.5
15°	911.0	800.5	643.1	569.9	545.5	532.5	526.8	521.5	513.9	510.5	512.0
17.5°	969.4	839.3	655.5	577.0	549.3	533.5	522.0	514.4	506.7	501.9	502.4
20°	1035.4	877.5	666.5	579.4	547.4	525.4	511.5	502.4	492.4	487.1	485.7
22.5°	1103.9	917.7	675.1	577.5	536.9	511.5	495.7	484.7	472.7	464.6	465.1
25°	1187.1	972.3	682.3	570.8	523.0	493.3	475.6	461.7	449.3	441.6	442.1
27.5°	1287.1	1034.0	690.9	560.3	506.2	473.7	453.1	439.2	427.3	420.1	419.1
30°	1420.6	1114.4	700.5	547.4	485.2	452.2	432.1	417.7	406.2	399.5	399.5
32.5°	1570.8	1212.5	707.2	532.1	461.7	429.2	411.0	399.5	390.9	381.8	380.9
35°	1701.5	1288.5	727.8	520.1	441.2	407.7	395.2	387.1	374.2	365.6	364.1
37.5°	1893.3	1422.5	788.5	516.8	416.3	390.9	388.5	373.2	358.4	342.1	340.7
40°	2202.4	1654.6	859.3	500.5	390.4	381.8	379.4	358.9	323.9	313.9	312.0
42.5°	2595.8	1934.0	867.0	453.1	372.3	374.2	367.0	326.8	311.5	303.8	301.9
45°	2950.8	2160.8	823.5	404.8	358.9	362.7	347.9	314.8	306.2	299.0	297.1
47.5°	3150.3	2230.7	741.2	368.4	348.8	352.6	317.2	309.1	300.5	293.3	291.4
50°	3206.3	2169.9	645.5	347.4	341.2	342.6	309.1	304.3	296.7	290.9	288.0
52.5°	3217.3	2079.0	557.0	334.9	335.4	322.5	301.9	298.1	293.3	284.2	280.9
55°	3222.1	1997.2	477.5	327.3	331.6	296.7	294.3	291.4	287.6	278.0	276.1
57.5°	3234.5	1892.4	415.3	321.5	326.8	284.7	285.7	283.7	279.0	274.6	273.7
60°	3199.1	1747.4	367.5	315.8	320.1	274.6	275.6	276.6	272.3	271.3	270.8
62.5°	3080.5	1541.7	326.8	308.1	306.2	264.6	264.6	268.4	264.6	266.0	266.0
65°	2835.9	1279.5	290.4	293.8	284.7	253.6	253.1	259.8	254.1	260.3	260.8
67.5°	2419.2	968.4	253.1	271.3	262.2	242.1	244.0	249.3	241.6	254.6	254.6
70°	1914.9	658.9	214.4	239.7	239.2	229.2	235.4	234.9	226.3	245.5	242.1
72.5°	1426.3	423.0	174.6	201.0	209.1	215.3	226.8	216.8	208.6	219.6	209.6
75°	996.7	265.1	137.8	158.9	174.2	200.0	216.3	196.2	184.2	180.9	178.0
77.5°	596.7	169.4	108.6	121.1	135.9	181.8	202.9	174.6	156.5	154.5	148.8
80°	275.1	110.5	82.8	90.4	96.7	156.0	184.7	149.3	127.3	125.4	118.7
82.5°	124.4	72.7	61.7	64.6	65.1	123.9	156.0	118.2	97.1	157.4	136.4
85°	57.9	46.9	40.2	38.3	38.8	82.8	113.4	81.3	110.5	86.1	65.6
87.5°	24.9	23.9	20.6	16.3	14.8	17.7	43.5	34.0	48.3	19.1	12.9
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)