

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: P672326

Luminaire Tested: **CCP-SA-2A-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672326
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

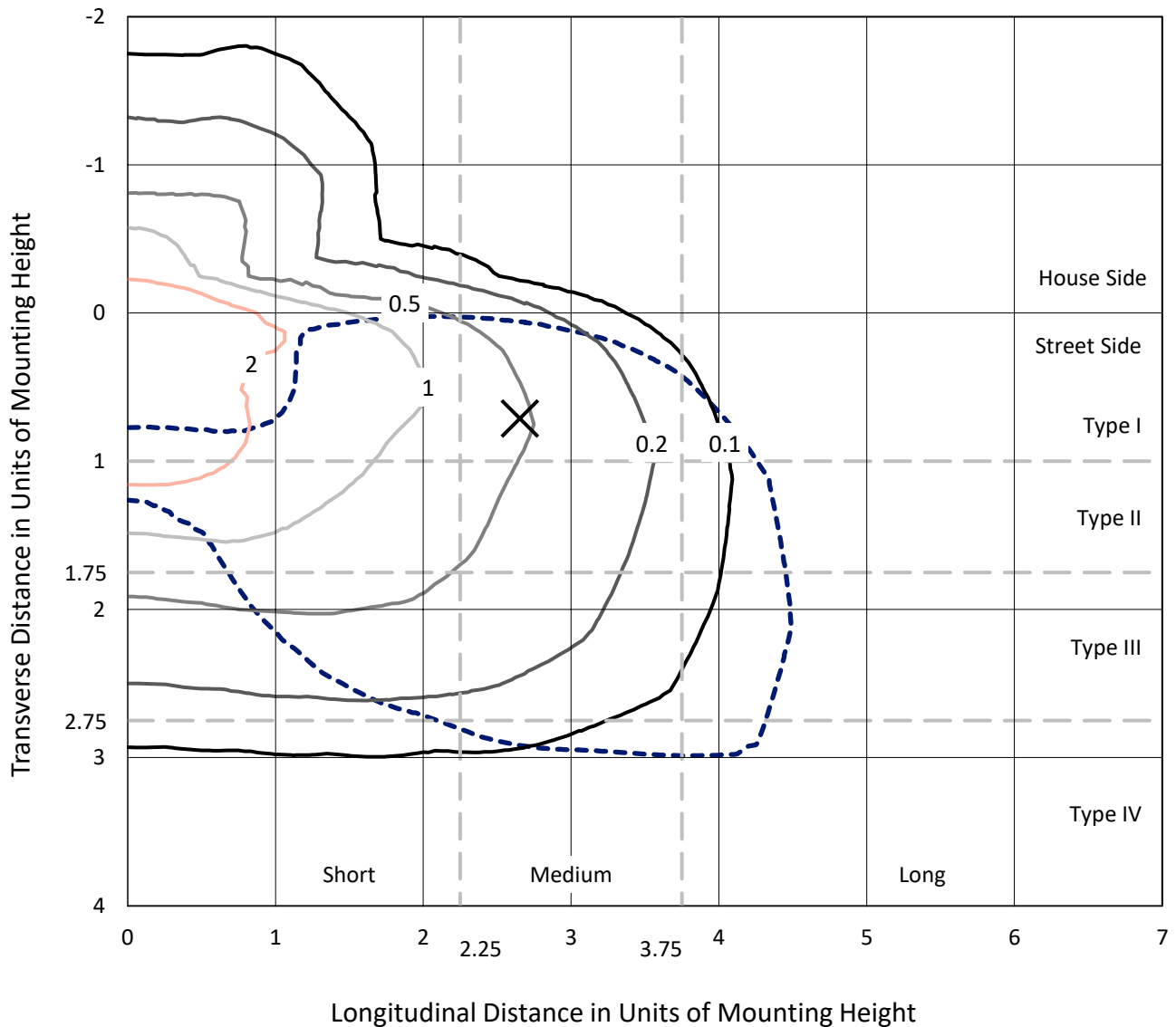
Lumens per Lamp: N/A
Luminaire Lumens: 4741.5 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

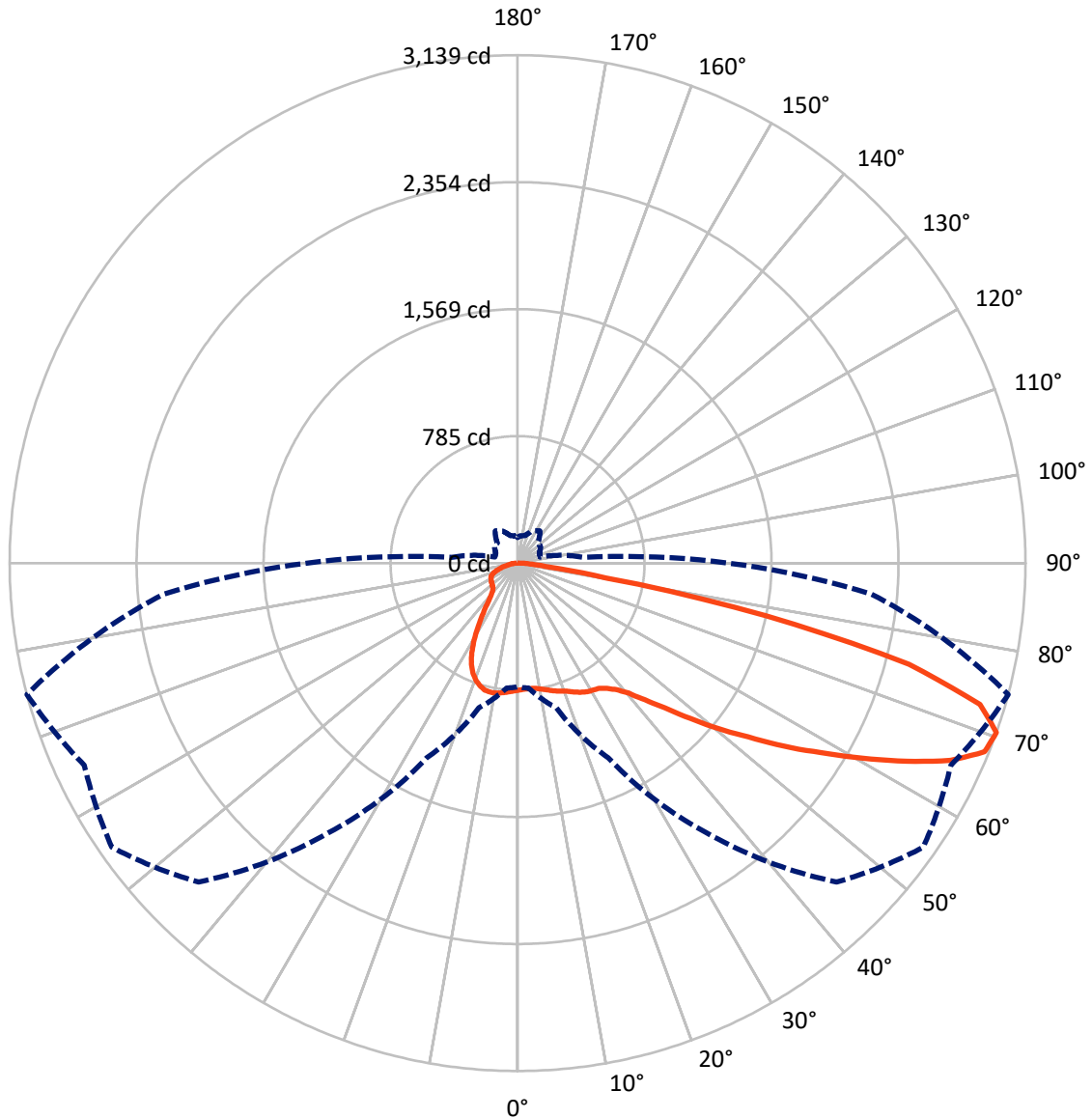
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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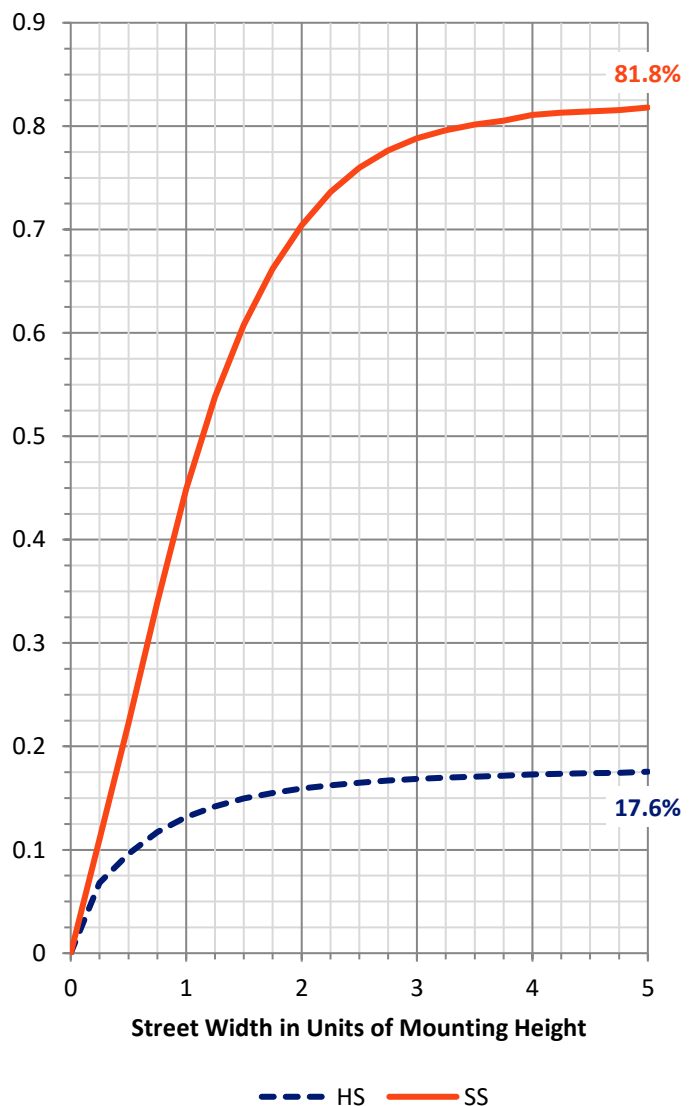
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	843.6	0.0	843.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	3897.9	0.0	3897.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	4741.5	0.0	4741.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.5
10°-20°	188.3	4.0
20°-30°	317.2	6.7
30°-40°	481.8	10.2
40°-50°	690.3	14.6
50°-60°	915.2	19.3
60°-70°	1145.3	24.2
70°-80°	836.4	17.6
80°-90°	96.4	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°	4741.5	100.0
0°-180°	4741.5	100.0

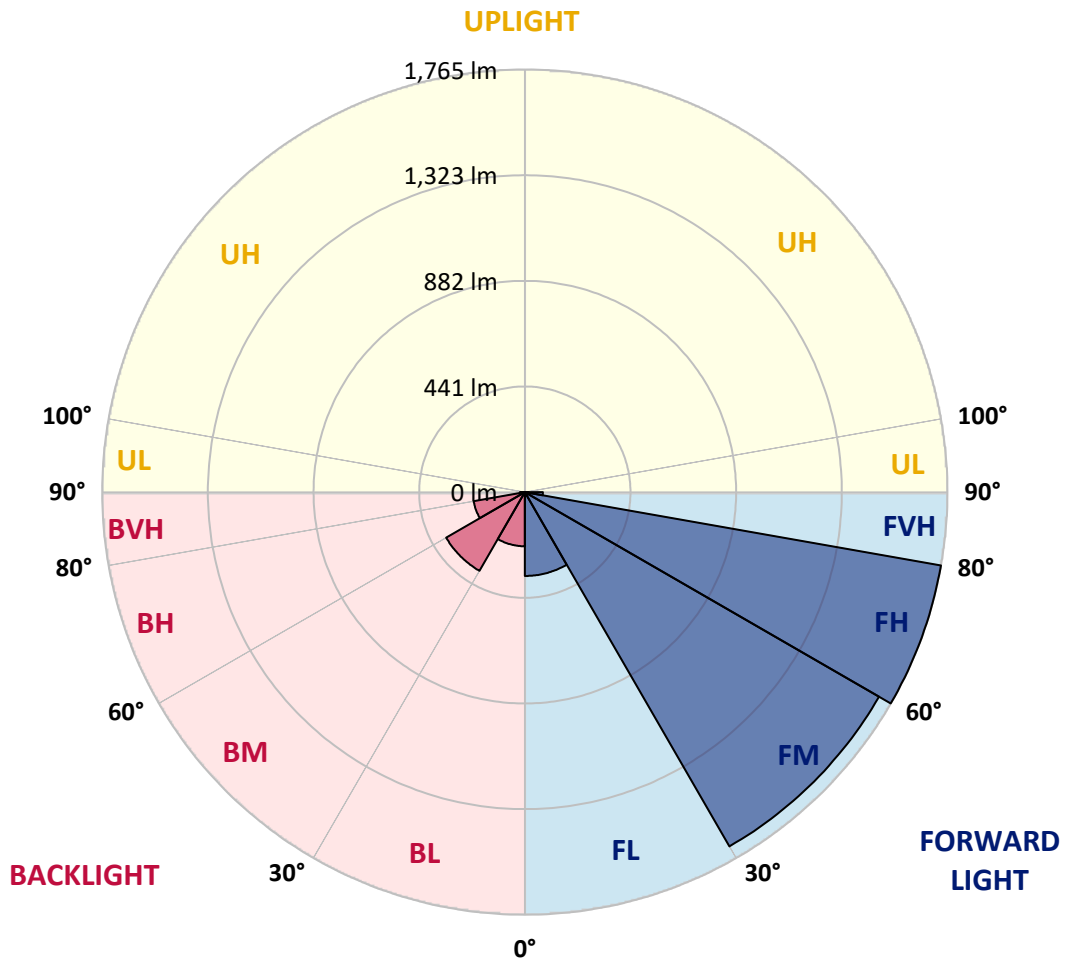


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.0	7.4			
FM (30°-60°)	1708.1	36.0			
FH (60°-80°)	1764.7	37.2			G1/1800
FVH (80°-90°)	75.3	1.6			G1/100
BL (0°-30°)	226.1	4.8	B1/500		
BM (30°-60°)	379.3	8.0	B1/1000		
BH (60°-80°)	217.0	4.6	B1/500		G1/500
BVH (80°-90°)	21.2	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-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	742.4	746.5	750.3	754.0	757.1	765.3	767.0	775.9	778.2	780.3	783.0
5°	700.8	703.9	707.6	713.8	720.2	734.9	745.1	764.6	775.5	778.9	788.5
7.5°	678.3	679.3	684.4	689.5	697.0	711.4	725.4	755.7	777.6	781.3	801.8
10°	661.9	663.3	668.0	675.2	682.7	696.0	713.4	749.6	785.1	790.9	819.9
12.5°	656.1	655.4	660.9	665.7	676.2	692.9	711.0	749.9	795.3	803.5	846.1
15°	679.3	674.9	678.3	676.6	680.0	696.4	717.9	757.4	807.9	818.2	873.4
17.5°	730.5	726.7	724.3	709.7	700.1	709.3	729.8	768.0	821.2	832.1	898.0
20°	806.9	796.3	787.5	762.9	736.3	733.2	747.5	778.6	833.9	844.4	923.9
22.5°	893.9	885.4	871.0	828.1	786.8	766.3	770.1	798.0	852.3	863.9	953.6
25°	1003.8	1003.4	974.1	916.1	853.6	812.4	804.5	829.1	873.1	884.4	978.2
27.5°	1129.0	1120.5	1085.6	1010.9	932.5	869.3	850.9	860.8	889.8	901.4	998.0
30°	1236.1	1237.1	1201.7	1120.1	1016.4	925.0	890.2	883.7	900.7	912.3	1016.4
32.5°	1350.7	1344.9	1312.5	1228.6	1107.1	984.7	915.4	900.0	912.0	922.9	1042.0
35°	1458.6	1452.1	1424.1	1333.7	1207.1	1050.5	949.5	925.6	938.6	950.5	1073.4
37.5°	1561.3	1562.3	1530.6	1444.2	1304.0	1128.3	1000.0	964.2	978.2	991.5	1121.1
40°	1651.0	1645.9	1621.3	1543.5	1404.7	1207.5	1057.0	1016.7	1044.0	1056.3	1181.5
42.5°	1679.7	1679.3	1688.9	1641.1	1510.4	1301.6	1128.0	1098.6	1137.2	1155.6	1255.6
45°	1654.7	1662.3	1717.5	1716.2	1616.2	1409.8	1224.9	1198.2	1253.9	1274.7	1346.0
47.5°	1630.2	1641.4	1716.5	1759.1	1711.0	1528.8	1343.9	1324.1	1404.0	1434.0	1439.8
50°	1594.4	1604.9	1694.3	1765.3	1769.0	1649.3	1498.1	1473.2	1575.9	1606.6	1541.8
52.5°	1554.4	1562.6	1655.1	1760.9	1796.7	1743.5	1649.3	1642.1	1760.2	1785.1	1645.5
55°	1334.0	1368.8	1597.4	1751.3	1815.8	1815.4	1796.3	1819.9	1961.1	1998.3	1761.2
57.5°	1207.5	1225.9	1435.0	1745.8	1851.6	1882.0	1948.2	1998.7	2175.7	2209.2	1888.8
60°	1166.2	1182.5	1353.5	1739.4	1922.9	1986.0	2096.6	2178.5	2406.4	2447.3	2031.4
62.5°	1128.6	1148.4	1320.4	1687.8	2009.2	2150.8	2273.7	2372.9	2649.6	2698.1	2173.3
65°	1052.2	1066.2	1259.7	1644.5	2091.1	2385.9	2529.2	2587.2	2885.4	2940.0	2267.5
67.5°	920.2	933.5	1122.8	1544.9	2144.3	2630.5	2808.6	2809.0	3067.6	3112.3	2287.3
70°	764.9	775.2	925.6	1327.9	2033.5	2787.5	3060.8	2954.0	3119.1	3138.6	2193.1
72.5°	546.9	555.8	677.9	981.6	1667.4	2660.2	3118.1	2947.8	2994.2	2988.1	1925.3
75°	337.1	354.1	415.2	599.1	1036.2	2093.2	2806.2	2671.1	2514.2	2497.1	1449.7
77.5°	219.7	228.6	280.8	353.5	457.2	1201.7	2131.4	2002.8	1587.5	1567.7	779.3
80°	132.0	146.7	183.9	222.1	207.1	459.6	1217.0	994.9	560.9	554.8	239.5
82.5°	71.0	84.3	129.7	137.5	116.3	162.4	440.8	323.4	179.5	177.4	89.7
85°	56.3	62.8	93.1	87.0	65.8	82.2	172.0	134.8	92.1	90.1	33.8
87.5°	34.1	43.0	70.6	58.7	32.8	29.7	78.8	63.8	43.3	40.3	13.3
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°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	788.1	789.8	791.5	788.1	789.5	787.8	787.8	787.8	783.4	782.0	786.1
5°	795.6	798.0	799.4	788.8	782.3	772.8	764.9	753.0	746.2	741.7	741.7
7.5°	811.0	813.7	807.6	784.0	761.2	735.6	709.3	687.5	671.8	665.0	667.0
10°	833.5	834.5	814.1	770.7	721.9	674.5	637.3	608.3	588.9	579.0	577.6
12.5°	859.8	855.3	815.4	741.4	669.1	605.3	559.9	522.4	497.4	487.9	483.1
15°	885.7	875.1	810.3	706.3	609.0	532.2	474.2	438.8	423.4	419.0	417.3
17.5°	908.9	889.1	793.3	655.8	539.4	447.0	404.3	391.7	393.4	397.5	399.2
20°	930.1	899.7	768.7	595.7	452.4	380.4	369.8	381.4	391.0	397.1	398.2
22.5°	953.3	909.9	734.6	522.7	381.1	349.7	362.3	375.6	385.2	391.3	392.4
25°	971.0	909.6	686.5	436.0	336.1	341.5	356.5	368.5	375.6	380.1	379.7
27.5°	982.3	901.4	623.3	364.7	318.3	335.7	350.1	357.9	362.0	365.4	365.1
30°	985.7	885.7	543.8	312.2	310.1	330.3	341.2	346.0	349.0	352.4	352.4
32.5°	992.5	861.5	456.2	282.8	304.0	324.8	331.3	335.0	332.7	324.1	322.4
35°	1000.0	834.5	373.3	269.2	298.2	321.1	327.2	317.3	291.4	288.0	286.6
37.5°	1014.7	809.6	303.0	259.6	296.8	323.1	328.2	288.6	266.8	256.2	254.5
40°	1039.6	784.7	255.9	252.8	298.5	332.0	314.6	275.0	238.8	218.7	215.3
42.5°	1072.3	754.4	229.3	249.4	303.3	346.3	309.8	255.5	216.0	202.3	200.3
45°	1110.2	714.1	216.7	248.7	309.1	353.5	311.2	239.9	205.7	195.2	194.5
47.5°	1149.5	674.5	211.2	248.0	316.3	350.4	292.4	235.1	201.6	198.6	200.6
50°	1191.8	629.5	206.8	246.3	322.1	350.4	282.2	234.1	203.0	209.8	216.7
52.5°	1231.3	591.6	201.6	241.2	324.5	344.3	279.1	237.8	205.1	203.3	205.4
55°	1279.4	572.2	198.9	234.1	320.0	325.5	275.3	248.0	206.8	192.8	192.8
57.5°	1334.4	568.1	194.8	224.5	305.7	299.6	275.0	254.2	202.3	189.4	187.0
60°	1400.6	576.9	189.7	212.6	288.3	279.4	272.6	254.2	195.2	183.6	184.6
62.5°	1454.1	575.9	186.6	202.0	265.1	258.6	268.2	250.8	192.4	182.9	182.5
65°	1466.8	554.1	177.8	188.3	236.4	233.4	263.4	242.2	188.7	179.1	176.4
67.5°	1424.1	504.6	164.5	170.3	206.1	206.4	254.9	231.0	183.6	177.1	172.6
70°	1303.0	408.1	144.7	148.4	173.3	177.8	242.2	217.7	175.0	168.2	157.6
72.5°	1090.4	293.4	121.8	122.8	137.8	149.4	220.4	199.6	162.4	146.4	135.1
75°	807.2	194.8	99.3	97.9	103.4	121.5	188.3	179.5	146.0	121.5	115.7
77.5°	426.8	115.3	76.4	76.8	73.4	93.1	149.4	155.9	129.7	102.4	96.6
80°	146.0	69.3	54.9	57.3	51.9	66.5	110.9	129.7	110.9	85.3	75.4
82.5°	66.9	42.3	39.2	40.9	37.2	45.0	76.1	98.3	88.4	62.1	50.2
85°	33.8	25.2	25.2	27.6	24.6	23.2	42.0	65.2	64.8	42.6	36.8
87.5°	14.0	12.3	11.6	13.3	11.6	8.9	11.9	23.5	34.1	25.6	16.4
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)