

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: P672073

Luminaire Tested: **CCP-SA-2B-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672073
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

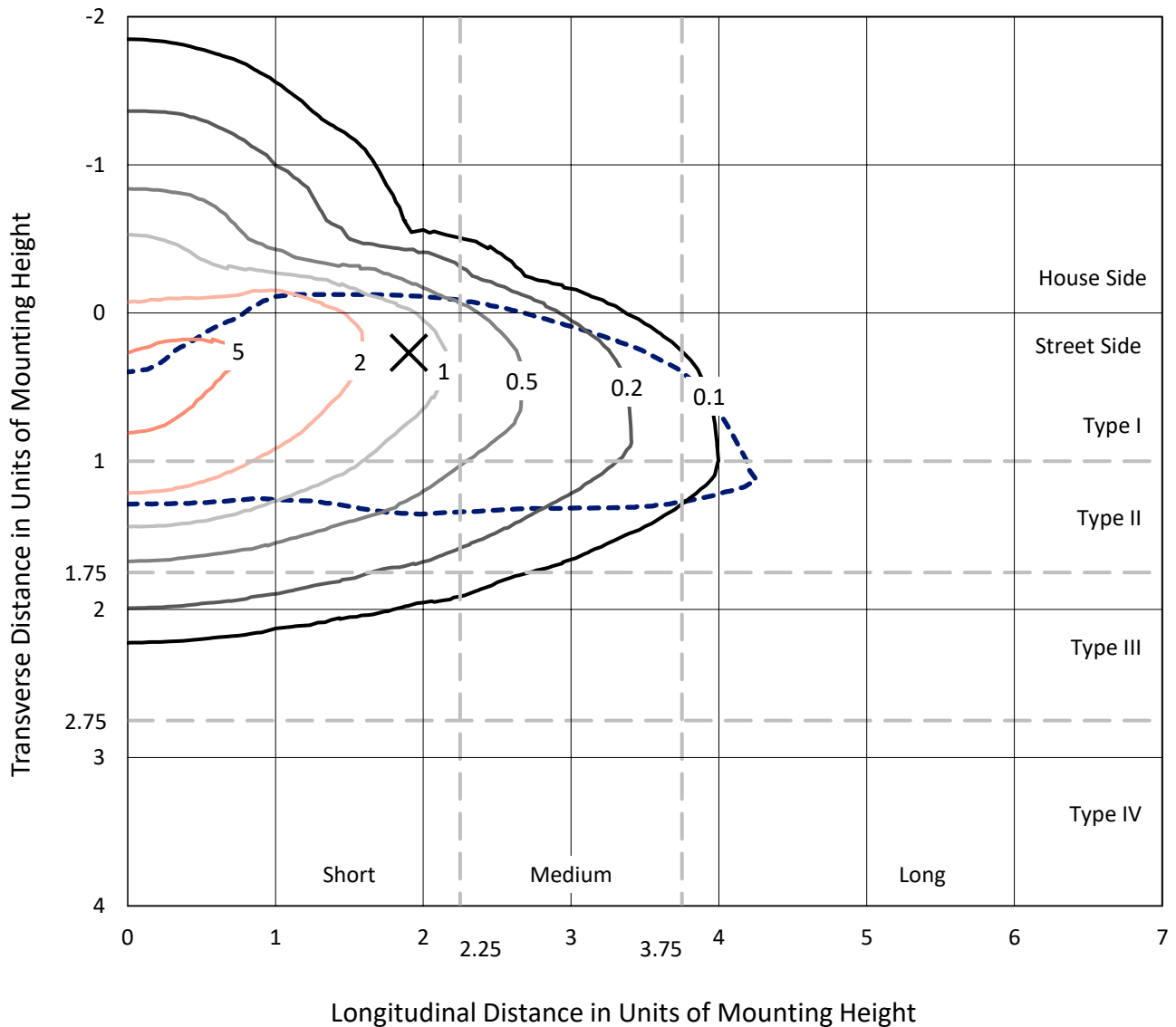
Lumens per Lamp: N/A
Luminaire Lumens: 5167.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

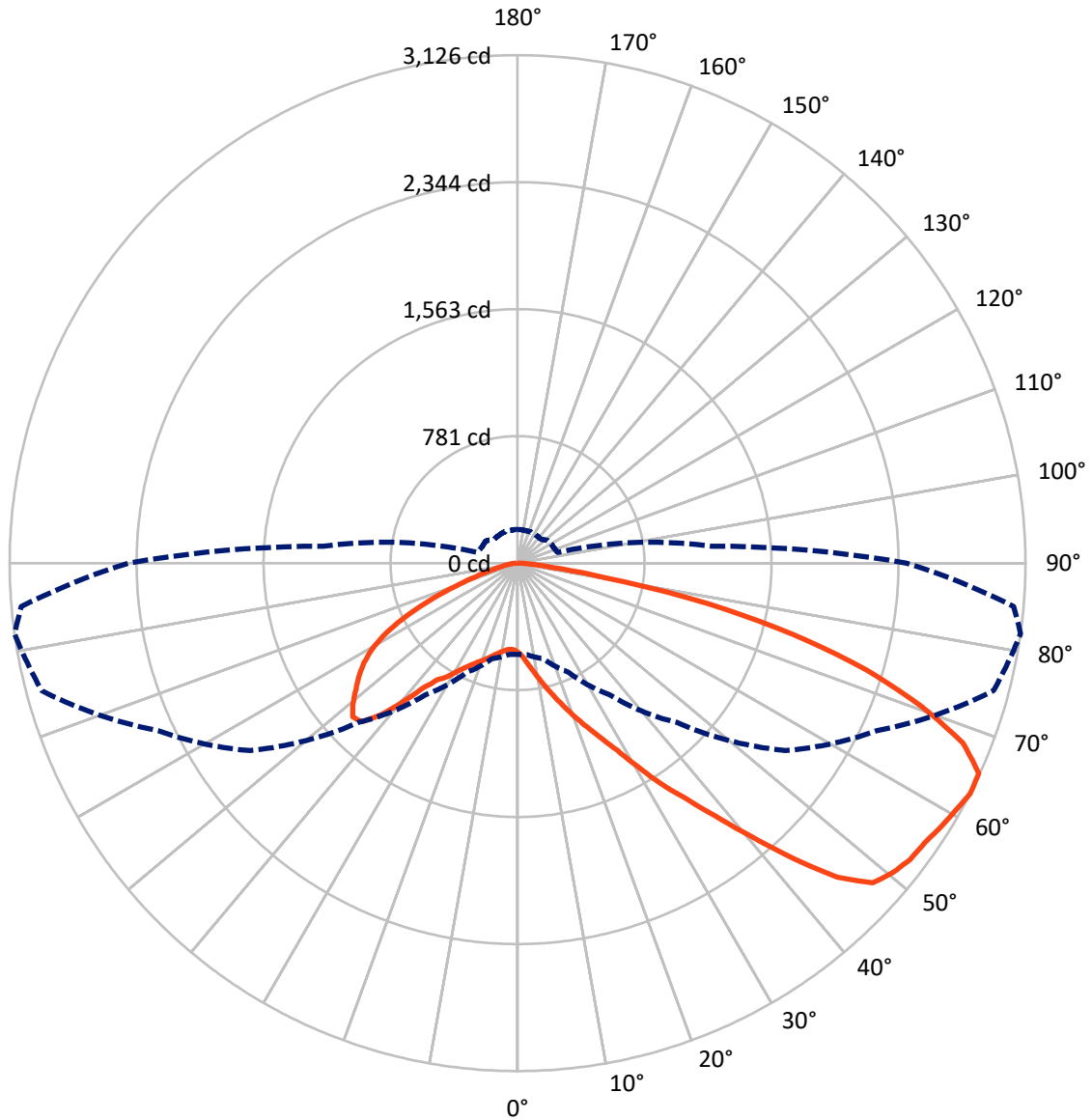
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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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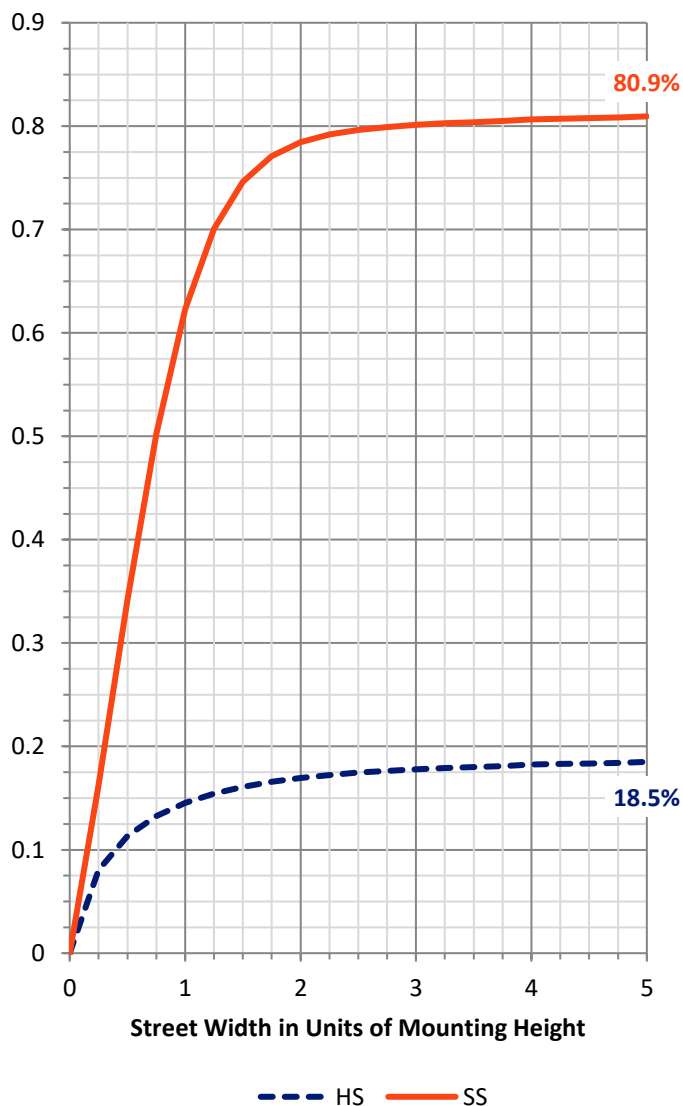
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.5	0.0	973.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4193.8	0.0	4193.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	5167.3	0.0	5167.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.2
10°-20°	229.4	4.4
20°-30°	475.0	9.2
30°-40°	806.2	15.6
40°-50°	1097.8	21.2
50°-60°	1111.2	21.5
60°-70°	875.8	16.9
70°-80°	431.4	8.3
80°-90°	79.8	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°	5167.3	100.0
0°-180°	5167.3	100.0



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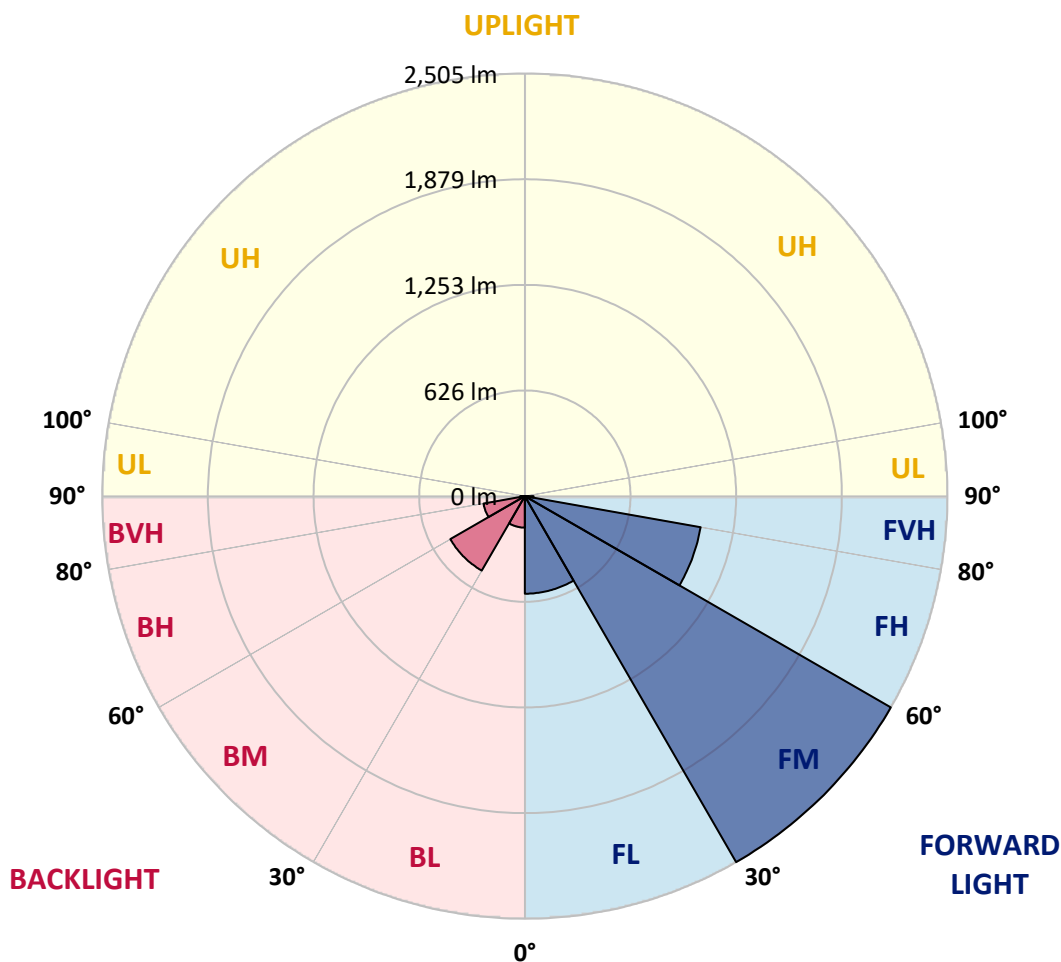
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.3	11.2			
FM (30°-60°)	2505.3	48.5			
FH (60°-80°)	1058.3	20.5			G1/1800
FVH (80°-90°)	51.8	1.0			G1/100
BL (0°-30°)	186.8	3.6	B1/500		
BM (30°-60°)	509.9	9.9	B1/1000		
BH (60°-80°)	248.8	4.8	B1/500		G1/500
BVH (80°-90°)	28.0	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°	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5
2.5°	731.8	720.6	714.7	708.0	689.4	677.5	655.2	629.1	599.0	573.3	568.5
5°	886.2	875.0	876.5	860.2	833.0	807.7	766.0	716.9	659.6	615.7	600.5
7.5°	995.2	982.9	985.9	979.2	957.3	929.4	876.5	813.3	729.6	664.5	639.9
10°	1068.1	1069.6	1071.9	1069.3	1055.1	1035.4	982.9	913.0	808.8	722.1	688.7
12.5°	1150.7	1154.8	1154.1	1155.2	1147.8	1132.1	1080.8	1014.9	893.3	784.3	740.7
15°	1256.0	1251.9	1255.3	1260.1	1251.9	1234.8	1189.4	1111.3	981.8	853.5	799.5
17.5°	1371.3	1362.8	1371.7	1366.9	1360.9	1349.8	1299.9	1216.6	1073.3	928.2	865.0
20°	1471.1	1465.5	1470.3	1471.1	1472.2	1469.9	1418.6	1330.1	1169.3	1009.7	935.7
22.5°	1583.0	1580.4	1579.7	1580.1	1581.2	1583.8	1548.8	1454.3	1275.7	1095.3	1012.0
25°	1739.7	1737.1	1720.0	1701.0	1689.8	1698.0	1679.8	1595.3	1393.3	1191.3	1095.7
27.5°	1915.3	1911.2	1888.5	1840.5	1804.8	1810.7	1808.9	1750.8	1528.7	1301.4	1196.1
30°	2097.6	2087.5	2056.3	1988.9	1932.8	1922.3	1927.6	1908.2	1699.1	1447.6	1336.0
32.5°	2260.2	2241.6	2200.3	2132.2	2065.2	2035.1	2035.8	2044.4	1884.4	1618.0	1482.6
35°	2359.5	2347.2	2316.3	2247.5	2172.7	2152.6	2147.1	2189.8	2054.4	1775.8	1613.9
37.5°	2413.1	2401.2	2368.1	2312.6	2256.1	2247.9	2258.3	2324.5	2247.5	1972.6	1792.5
40°	2403.4	2390.7	2369.2	2330.5	2293.3	2299.6	2345.7	2448.0	2458.5	2208.1	2047.0
42.5°	2323.8	2310.4	2308.5	2305.9	2288.4	2316.3	2399.7	2538.4	2652.3	2480.0	2355.0
45°	2183.1	2175.0	2184.6	2229.3	2251.2	2305.2	2425.0	2582.3	2822.7	2756.5	2646.3
47.5°	2004.9	2000.1	2022.1	2092.7	2163.8	2270.9	2441.7	2594.3	2939.9	2939.9	2837.2
50°	1805.5	1803.7	1832.7	1935.4	2046.6	2208.1	2439.9	2605.4	2991.2	2993.8	2904.5
52.5°	1527.2	1536.9	1614.3	1749.7	1900.8	2109.5	2413.8	2636.7	3020.2	3026.2	2949.6
55°	1206.5	1215.8	1332.7	1515.0	1708.4	1989.7	2336.1	2627.4	3025.8	3039.2	2975.2
57.5°	963.2	965.1	1038.0	1254.5	1494.1	1836.4	2246.4	2565.6	3009.5	3067.9	3014.7
60°	753.8	759.7	808.4	980.0	1245.6	1638.8	2146.3	2504.6	3018.8	3095.0	3050.4
62.5°	561.4	562.9	608.3	741.1	989.6	1387.0	2010.5	2439.5	3031.8	3125.5	3064.9
65°	365.7	365.3	409.2	529.0	739.2	1115.0	1797.3	2337.5	3032.9	3118.8	2998.3
67.5°	232.5	234.0	253.0	328.5	494.8	841.6	1507.1	2148.2	2980.1	2956.6	2755.7
70°	188.6	189.0	195.0	214.7	301.4	575.2	1132.9	1852.0	2813.0	2633.3	2395.2
72.5°	168.2	168.5	171.5	173.7	200.9	345.6	743.3	1503.8	2516.1	2244.5	1987.1
75°	151.0	151.0	152.9	150.7	164.8	216.9	421.9	1130.6	2072.3	1747.9	1501.2
77.5°	132.4	132.1	132.1	131.0	142.5	158.5	211.3	789.1	1492.6	1192.0	973.6
80°	112.4	111.6	112.7	112.0	123.1	120.2	123.1	487.0	809.2	546.5	414.5
82.5°	87.4	87.4	90.8	91.5	101.6	87.1	86.7	231.0	307.3	204.3	152.9
85°	45.8	51.3	69.2	72.2	76.6	54.7	63.6	107.9	123.1	78.1	55.8
87.5°	13.8	14.5	42.4	47.6	47.2	27.5	39.1	52.1	57.7	34.6	22.7
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°	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5
2.5°	556.2	543.2	515.7	491.1	472.5	454.6	442.4	436.0	427.8	429.0	426.4
5°	573.3	546.5	497.8	458.4	431.9	411.9	399.6	393.2	387.3	384.3	386.6
7.5°	599.0	557.3	489.2	441.6	414.1	397.0	390.3	388.4	386.9	385.8	387.7
10°	632.1	576.3	487.7	435.7	410.4	399.9	397.3	396.2	394.7	393.2	394.4
12.5°	666.0	597.1	493.0	437.2	416.3	408.5	405.2	403.7	399.9	398.1	398.5
15°	708.4	622.4	500.0	443.1	424.1	414.1	409.6	405.5	399.6	397.0	398.1
17.5°	753.8	652.6	509.7	448.7	427.1	414.8	405.9	399.9	394.0	390.3	390.6
20°	805.1	682.3	518.3	450.5	425.6	408.5	397.7	390.6	382.8	378.7	377.6
22.5°	858.3	713.6	525.0	449.1	417.4	397.7	385.4	376.9	367.6	361.3	361.6
25°	923.0	756.0	530.5	443.8	406.6	383.6	369.8	359.0	349.3	343.4	343.8
27.5°	1000.8	804.0	537.2	435.7	393.6	368.3	352.3	341.5	332.2	326.7	325.9
30°	1104.6	866.5	544.7	425.6	377.3	351.6	336.0	324.8	315.9	310.7	310.7
32.5°	1221.4	942.8	549.9	413.7	359.0	333.7	319.6	310.7	304.0	296.9	296.1
35°	1323.0	1001.9	565.9	404.4	343.0	317.0	307.3	301.0	290.9	284.2	283.1
37.5°	1472.2	1106.1	613.1	401.8	323.7	304.0	302.1	290.2	278.7	266.0	264.9
40°	1712.5	1286.5	668.2	389.2	303.6	296.9	295.0	279.0	251.9	244.1	242.6
42.5°	2018.3	1503.8	674.1	352.3	289.4	290.9	285.4	254.1	242.2	236.2	234.8
45°	2294.4	1680.1	640.3	314.7	279.0	282.0	270.5	244.8	238.1	232.5	231.0
47.5°	2449.5	1734.5	576.3	286.5	271.2	274.2	246.7	240.3	233.6	228.1	226.6
50°	2493.1	1687.2	501.9	270.1	265.3	266.4	240.3	236.6	230.7	226.2	224.0
52.5°	2501.6	1616.5	433.1	260.4	260.8	250.8	234.8	231.8	228.1	221.0	218.4
55°	2505.3	1552.9	371.3	254.5	257.8	230.7	228.8	226.6	223.6	216.2	214.7
57.5°	2515.0	1471.4	322.9	250.0	254.1	221.4	222.1	220.6	216.9	213.6	212.8
60°	2487.5	1358.7	285.7	245.5	248.9	213.6	214.3	215.0	211.7	210.9	210.6
62.5°	2395.2	1198.7	254.1	239.6	238.1	205.7	205.7	208.7	205.7	206.9	206.9
65°	2205.1	994.8	225.8	228.4	221.4	197.2	196.8	202.0	197.6	202.4	202.8
67.5°	1881.0	753.0	196.8	210.9	203.9	188.3	189.7	193.8	187.9	197.9	197.9
70°	1488.9	512.3	166.7	186.4	186.0	178.2	183.0	182.7	176.0	190.9	188.3
72.5°	1109.1	328.9	135.8	156.3	162.6	167.4	176.3	168.5	162.2	170.8	163.0
75°	775.0	206.1	107.1	123.5	135.4	155.5	168.2	152.5	143.2	140.6	138.4
77.5°	463.9	131.7	84.5	94.1	105.7	141.4	157.7	135.8	121.7	120.2	115.7
80°	213.9	85.9	64.4	70.3	75.2	121.3	143.6	116.1	99.0	97.5	92.3
82.5°	96.7	56.6	48.0	50.2	50.6	96.4	121.3	91.9	75.5	122.4	106.0
85°	45.0	36.5	31.3	29.8	30.1	64.4	88.2	63.2	85.9	67.0	51.0
87.5°	19.3	18.6	16.0	12.6	11.5	13.8	33.9	26.4	37.6	14.9	10.0
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)