

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: P672302

Luminaire Tested: **CCP-SA-1E-830-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672302
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-830-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

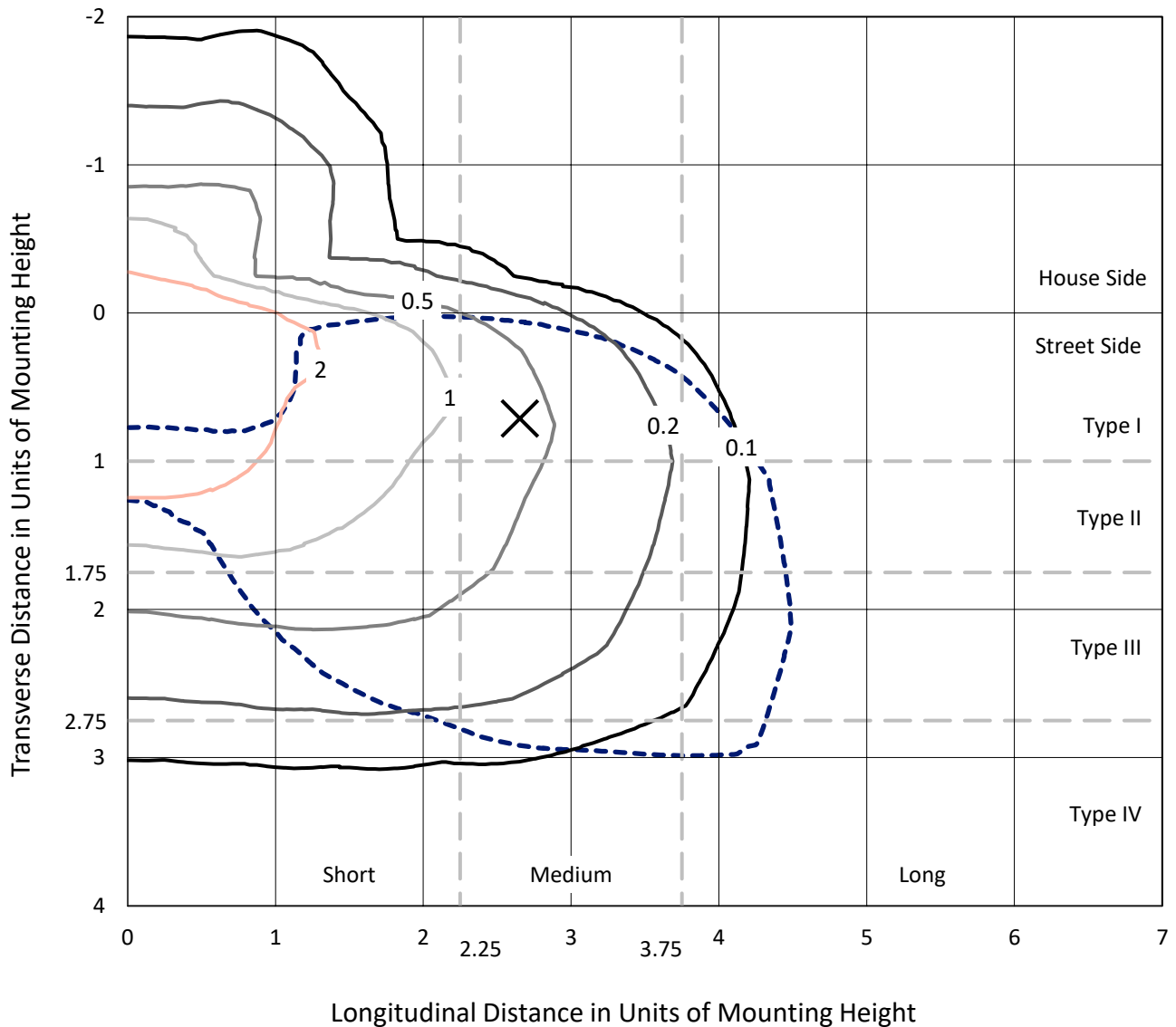
Lumens per Lamp: N/A
Luminaire Lumens: 5521.7 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

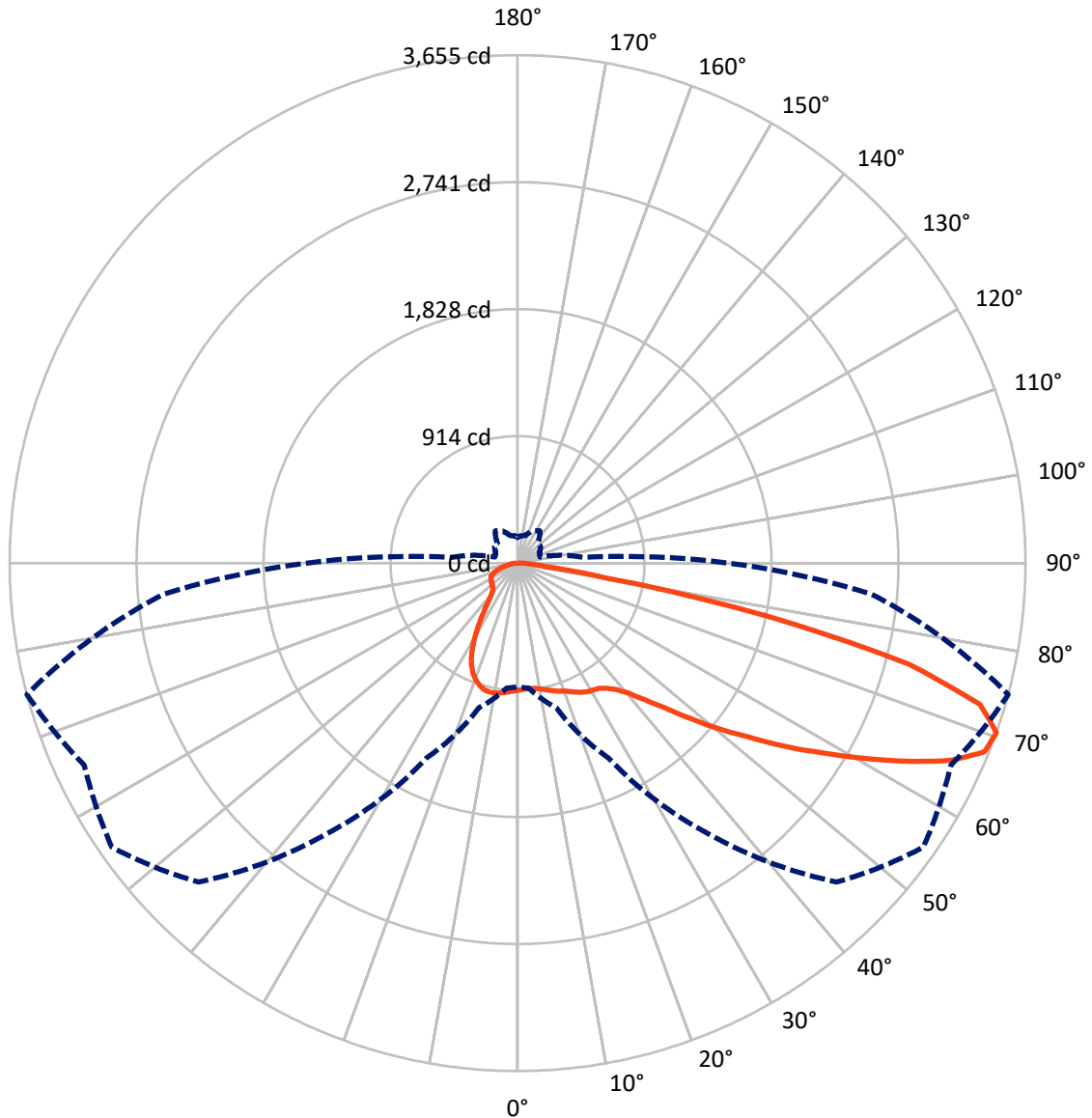
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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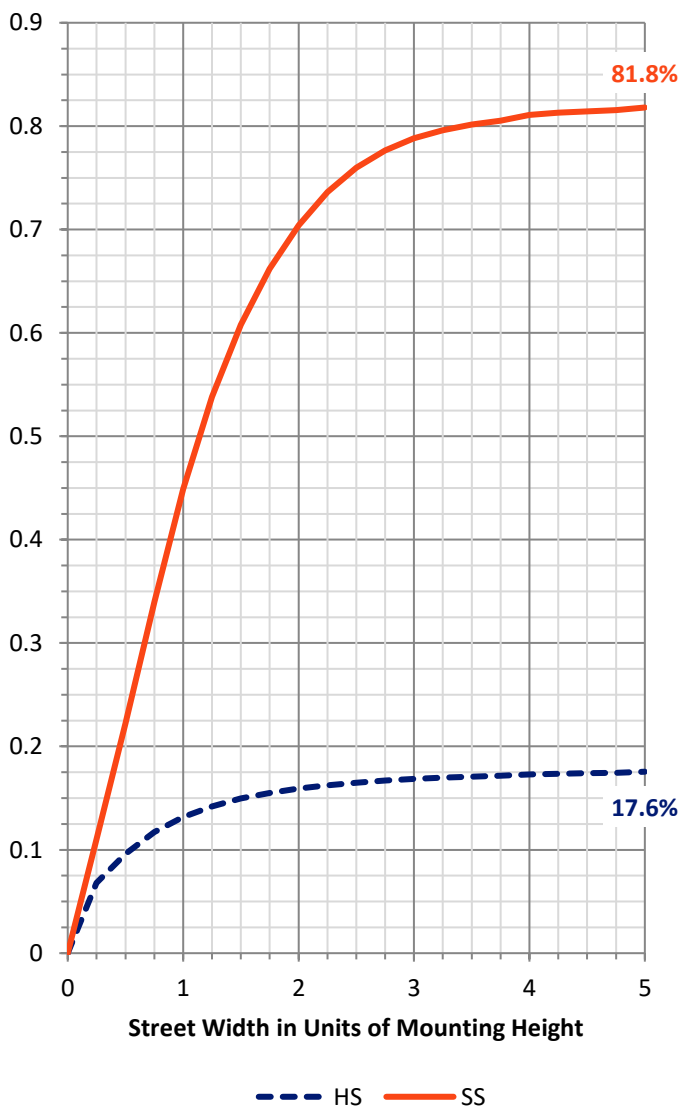
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	982.4	0.0	982.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4539.3	0.0	4539.3
	% Fixture	82.2	0.0	82.2
Total	Lumens	5521.7	0.0	5521.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	1.5
10°-20°	219.3	4.0
20°-30°	369.4	6.7
30°-40°	561.1	10.2
40°-50°	803.9	14.6
50°-60°	1065.8	19.3
60°-70°	1333.8	24.2
70°-80°	974.0	17.6
80°-90°	112.3	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°	5521.7	100.0
0°-180°	5521.7	100.0



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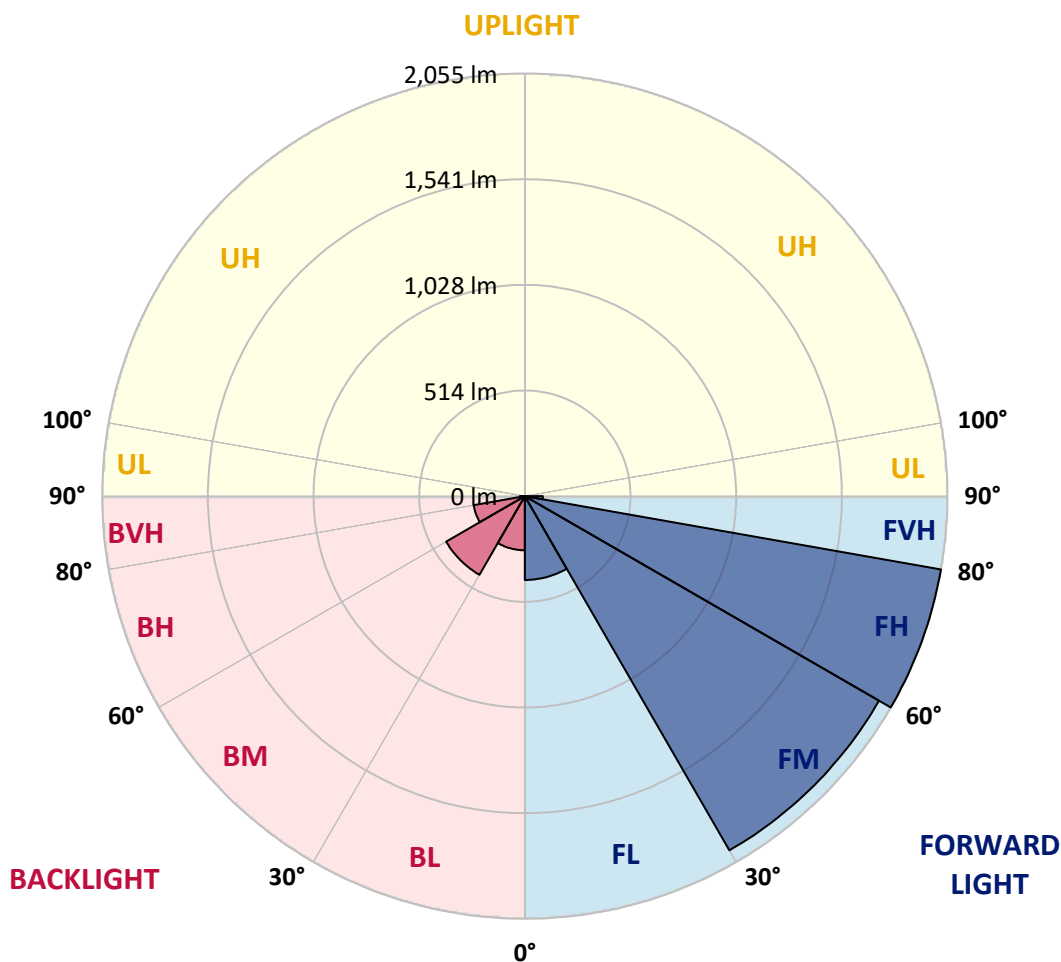
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.5	7.4			
FM (30°-60°)	1989.1	36.0			
FH (60°-80°)	2055.0	37.2			G2/5000
FVH (80°-90°)	87.6	1.6			G1/100
BL (0°-30°)	263.3	4.8	B1/500		
BM (30°-60°)	441.7	8.0	B1/1000		
BH (60°-80°)	252.7	4.6	B1/500		G1/500
BVH (80°-90°)	24.7	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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	864.6	869.3	873.7	878.1	881.7	891.2	893.2	903.5	906.3	908.7	911.9
5°	816.1	819.7	824.0	831.2	838.7	855.8	867.8	890.4	903.1	907.1	918.2
7.5°	789.9	791.1	797.0	803.0	811.7	828.4	844.7	880.1	905.5	909.9	933.7
10°	770.8	772.4	778.0	786.3	795.0	810.5	830.8	872.9	914.2	921.0	954.8
12.5°	764.1	763.3	769.6	775.2	787.5	807.0	828.0	873.3	926.2	935.7	985.4
15°	791.1	785.9	789.9	787.9	791.9	810.9	836.0	882.1	940.9	952.8	1017.1
17.5°	850.7	846.3	843.5	826.4	815.3	826.0	849.9	894.4	956.4	969.1	1045.8
20°	939.7	927.4	917.0	888.4	857.4	853.8	870.5	906.7	971.1	983.4	1076.0
22.5°	1041.0	1031.1	1014.4	964.3	916.2	892.4	896.8	929.3	992.5	1006.0	1110.5
25°	1168.9	1168.5	1134.4	1066.8	994.1	946.0	936.9	965.5	1016.7	1029.9	1139.1
27.5°	1314.7	1304.8	1264.3	1177.3	1085.9	1012.4	990.9	1002.4	1036.2	1049.7	1162.2
30°	1439.5	1440.7	1399.4	1304.4	1183.6	1077.1	1036.6	1029.1	1048.9	1062.4	1183.6
32.5°	1573.0	1566.2	1528.5	1430.8	1289.3	1146.7	1066.0	1048.1	1062.0	1074.8	1213.4
35°	1698.6	1691.0	1658.4	1553.1	1405.7	1223.4	1105.7	1077.9	1093.0	1106.9	1250.0
37.5°	1818.1	1819.3	1782.4	1681.9	1518.6	1313.9	1164.6	1122.8	1139.1	1154.6	1305.6
40°	1922.6	1916.7	1888.1	1797.5	1635.8	1406.1	1230.9	1184.0	1215.8	1230.1	1375.9
42.5°	1956.0	1955.6	1966.7	1911.1	1758.9	1515.8	1313.5	1279.4	1324.3	1345.7	1462.1
45°	1927.0	1935.8	2000.1	1998.5	1882.1	1641.7	1426.4	1395.4	1460.2	1484.4	1567.4
47.5°	1898.4	1911.5	1998.9	2048.6	1992.6	1780.4	1565.1	1542.0	1635.0	1669.9	1676.7
50°	1856.7	1869.0	1973.1	2055.7	2060.1	1920.7	1744.6	1715.6	1835.2	1871.0	1795.5
52.5°	1810.2	1819.7	1927.4	2050.6	2092.3	2030.3	1920.7	1912.3	2049.8	2078.8	1916.3
55°	1553.5	1594.1	1860.3	2039.5	2114.6	2114.2	2091.9	2119.3	2283.8	2327.1	2051.0
57.5°	1406.1	1427.6	1671.1	2033.1	2156.3	2191.6	2268.7	2327.5	2533.7	2572.7	2199.6
60°	1358.0	1377.1	1576.2	2025.6	2239.3	2312.8	2441.5	2536.9	2802.3	2850.0	2365.7
62.5°	1314.3	1337.4	1537.6	1965.6	2339.8	2504.7	2647.8	2763.4	3085.6	3142.0	2530.9
65°	1225.3	1241.6	1466.9	1915.1	2435.2	2778.5	2945.4	3012.9	3360.2	3423.7	2640.6
67.5°	1071.6	1087.1	1307.6	1799.1	2497.2	3063.4	3270.8	3271.2	3572.3	3624.4	2663.7
70°	890.8	902.7	1077.9	1546.4	2368.0	3246.1	3564.4	3440.0	3632.3	3655.0	2554.0
72.5°	636.9	647.2	789.5	1143.1	1941.7	3097.9	3631.1	3432.9	3486.9	3479.8	2242.1
75°	392.6	412.4	483.5	697.7	1206.7	2437.6	3268.0	3110.6	2927.9	2908.0	1688.2
77.5°	255.9	266.2	327.0	411.6	532.4	1399.4	2482.1	2332.3	1848.7	1825.7	907.5
80°	153.8	170.8	214.2	258.7	241.2	535.2	1417.3	1158.6	653.2	646.0	278.9
82.5°	82.6	98.1	151.0	160.1	135.5	189.1	513.3	376.7	209.0	206.6	104.5
85°	65.6	73.1	108.5	101.3	76.7	95.8	200.3	156.9	107.3	104.9	39.3
87.5°	39.7	50.1	82.2	68.3	38.1	34.6	91.8	74.3	50.5	46.9	15.5
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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	917.8	919.8	921.8	917.8	919.4	917.4	917.4	917.4	912.3	910.7	915.4
5°	926.6	929.3	930.9	918.6	911.1	899.9	890.8	876.9	868.9	863.8	863.8
7.5°	944.4	947.6	940.5	913.0	886.4	856.6	826.0	800.6	782.3	774.4	776.8
10°	970.7	971.9	948.0	897.6	840.7	785.5	742.2	708.4	685.8	674.3	672.7
12.5°	1001.3	996.1	949.6	863.4	779.1	704.9	652.0	608.3	579.3	568.2	562.6
15°	1031.4	1019.1	943.6	822.5	709.2	619.8	552.3	511.0	493.1	487.9	485.9
17.5°	1058.5	1035.4	923.8	763.7	628.2	520.5	470.8	456.1	458.1	462.9	464.9
20°	1083.1	1047.7	895.2	693.7	526.8	443.0	430.7	444.2	455.3	462.5	463.7
22.5°	1110.1	1059.7	855.4	608.7	443.8	407.3	422.0	437.5	448.6	455.7	456.9
25°	1130.8	1059.3	799.4	507.8	391.4	397.7	415.2	429.1	437.5	442.6	442.2
27.5°	1143.9	1049.7	725.9	424.7	370.7	391.0	407.7	416.8	421.6	425.5	425.1
30°	1147.9	1031.4	633.3	363.6	361.2	384.6	397.3	402.9	406.5	410.4	410.4
32.5°	1155.8	1003.2	531.2	329.4	354.0	378.3	385.8	390.2	387.4	377.5	375.5
35°	1164.6	971.9	434.7	313.5	347.3	373.9	381.0	369.5	339.3	335.3	333.8
37.5°	1181.6	942.8	352.8	302.4	345.7	376.3	382.2	336.1	310.7	298.4	296.4
40°	1210.6	913.8	298.0	294.4	347.7	386.6	366.3	320.2	278.1	254.7	250.7
42.5°	1248.8	878.5	267.0	290.4	353.2	403.3	360.8	297.6	251.5	235.6	233.2
45°	1292.9	831.6	252.3	289.6	360.0	411.6	362.4	279.3	239.6	227.3	226.5
47.5°	1338.6	785.5	245.9	288.9	368.3	408.1	340.5	273.8	234.8	231.2	233.6
50°	1387.8	733.1	240.8	286.9	375.1	408.1	328.6	272.6	236.4	244.4	252.3
52.5°	1433.9	689.0	234.8	280.9	377.9	400.9	325.0	276.9	238.8	236.8	239.2
55°	1490.0	666.3	231.6	272.6	372.7	379.0	320.6	288.9	240.8	224.5	224.5
57.5°	1553.9	661.5	226.9	261.4	356.0	348.8	320.2	296.0	235.6	220.5	217.7
60°	1631.0	671.9	220.9	247.5	335.7	325.4	317.5	296.0	227.3	213.8	215.0
62.5°	1693.4	670.7	217.3	235.2	308.7	301.2	312.3	292.0	224.1	213.0	212.6
65°	1708.1	645.3	207.0	219.3	275.3	271.8	306.7	282.1	219.7	208.6	205.4
67.5°	1658.4	587.6	191.5	198.3	240.0	240.4	296.8	269.0	213.8	206.2	201.0
70°	1517.4	475.2	168.5	172.8	201.8	207.0	282.1	253.5	203.8	195.9	183.6
72.5°	1269.8	341.7	141.8	143.0	160.5	174.0	256.7	232.4	189.1	170.5	157.3
75°	940.1	226.9	115.6	114.0	120.4	141.4	219.3	209.0	170.1	141.4	134.7
77.5°	497.1	134.3	89.0	89.4	85.4	108.5	174.0	181.6	151.0	119.2	112.4
80°	170.1	80.7	64.0	66.8	60.4	77.5	129.1	151.0	129.1	99.3	87.8
82.5°	77.9	49.3	45.7	47.7	43.3	52.4	88.6	114.4	102.9	72.3	58.4
85°	39.3	29.4	29.4	32.2	28.6	27.0	48.9	75.9	75.5	49.7	42.9
87.5°	16.3	14.3	13.5	15.5	13.5	10.3	13.9	27.4	39.7	29.8	19.1
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)