

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: P670864

Luminaire Tested: **CCP-SA-2A-830-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670864
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-830-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4392.8 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

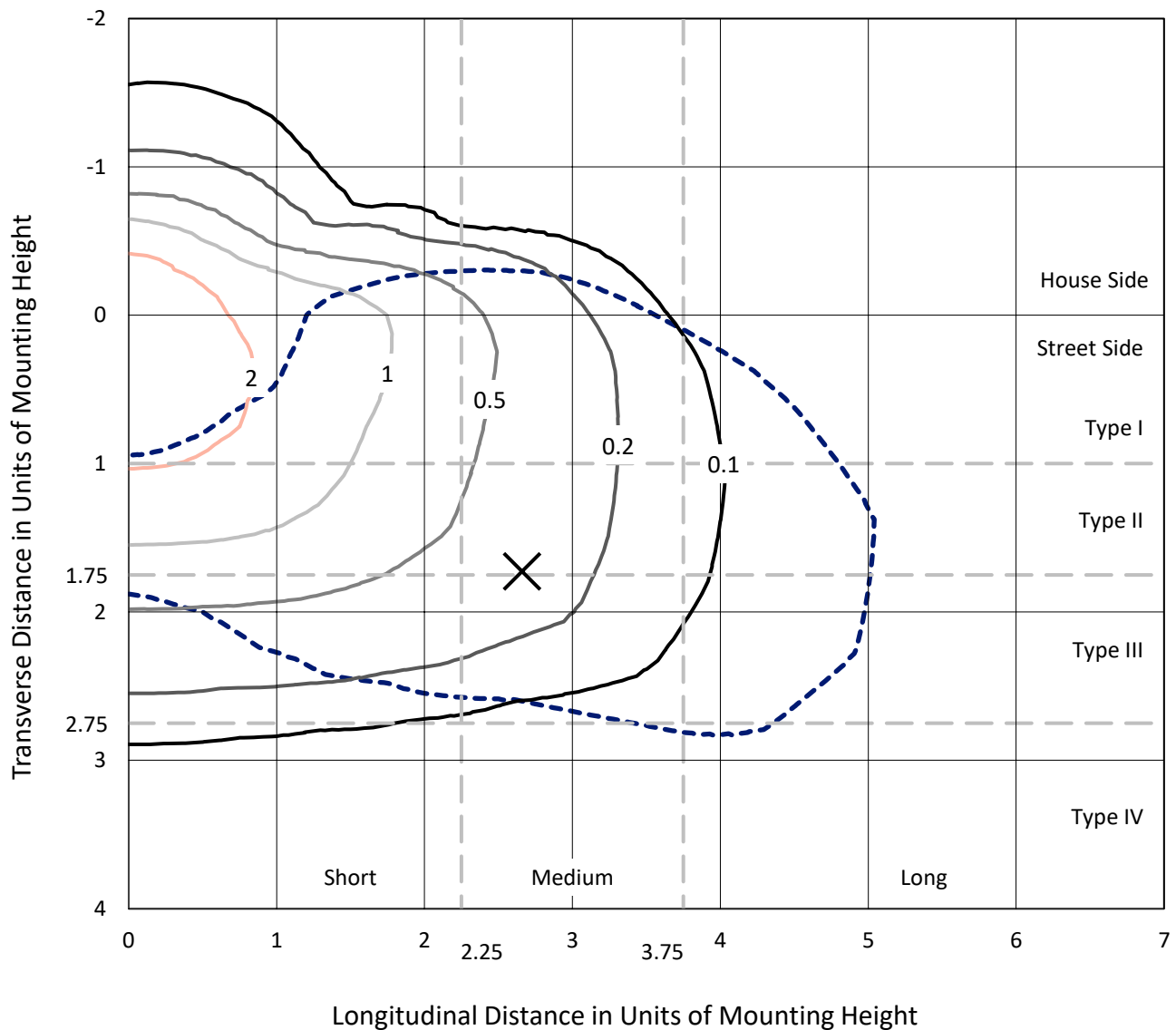
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

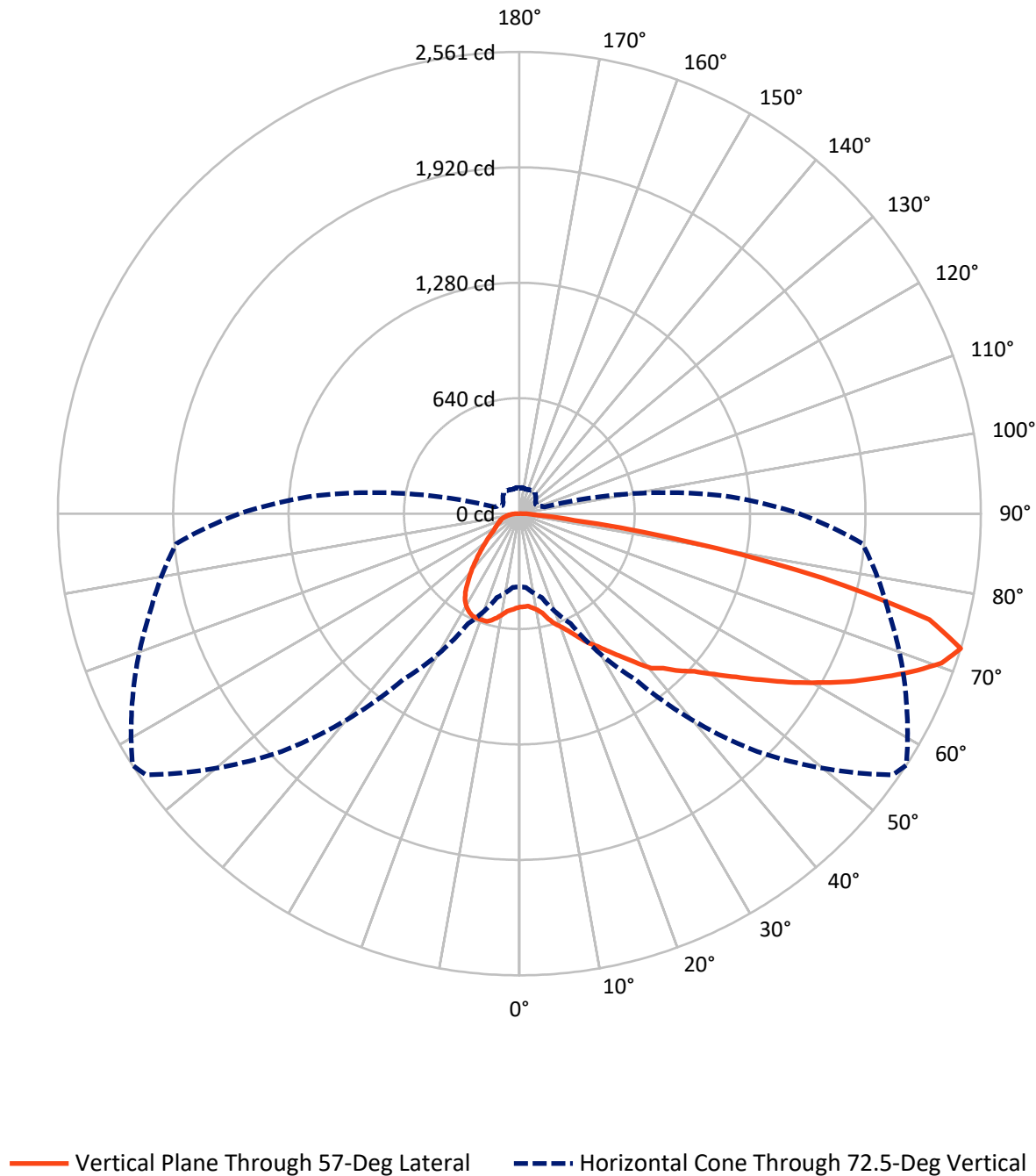
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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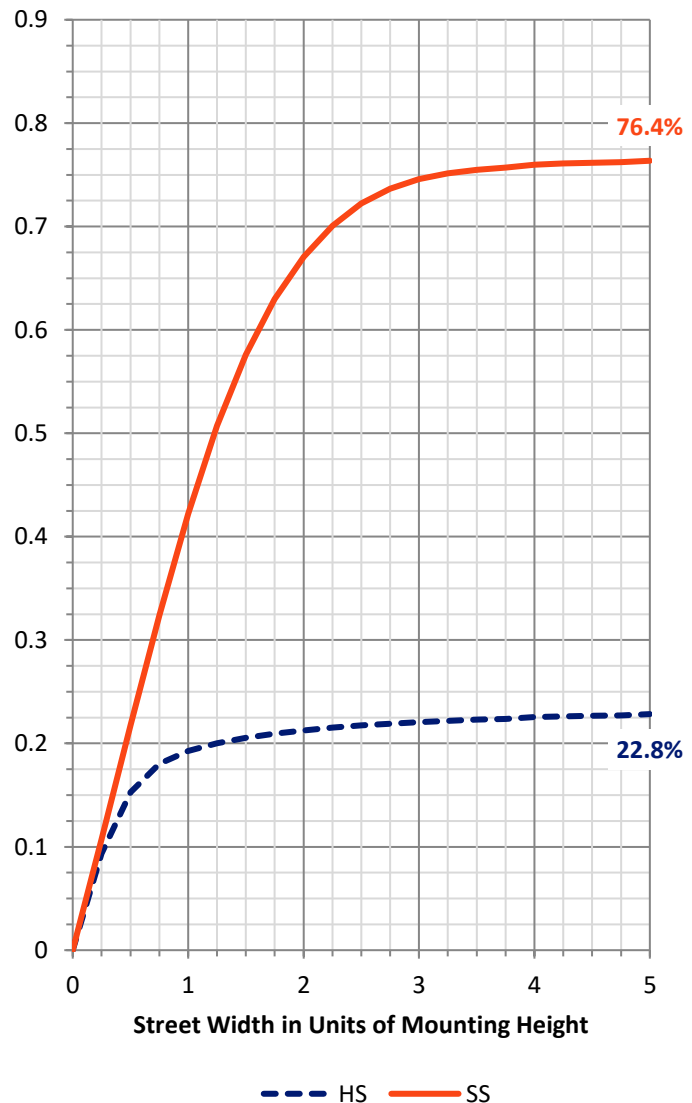
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.8	0.0	1025.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3367.0	0.0	3367.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	4392.8	0.0	4392.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.2
10°-20°	173.5	3.9
20°-30°	317.1	7.2
30°-40°	465.2	10.6
40°-50°	640.5	14.6
50°-60°	878.3	20.0
60°-70°	1058.8	24.1
70°-80°	705.3	16.1
80°-90°	102.7	2.3
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°	4392.8	100.0
0°-180°	4392.8	100.0

Coefficient of Utilization



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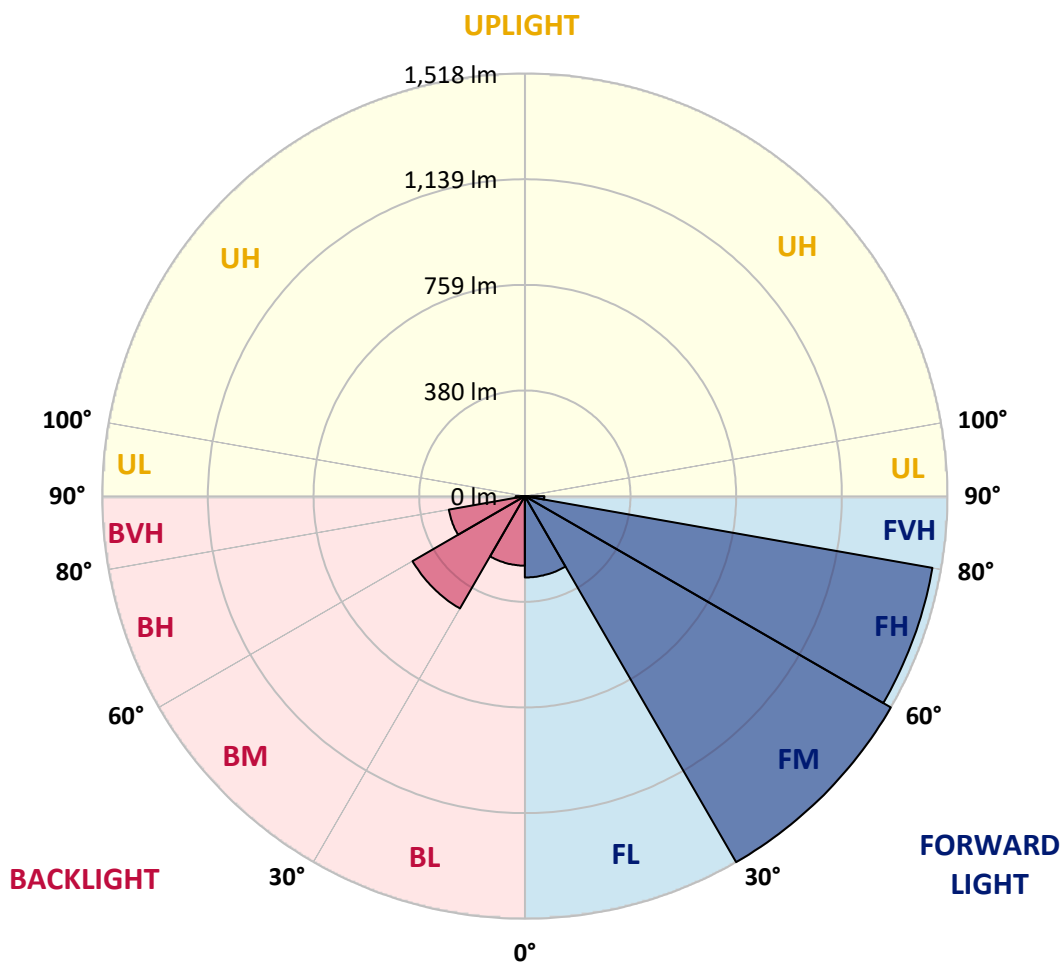
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.2	6.7			
FM	(30°-60°)	1518.1	34.6			
FH	(60°-80°)	1486.7	33.8			G1/1800
FVH	(80°-90°)	69.9	1.6			G1/100
BL	(0°-30°)	249.8	5.7	B1/500		
BM	(30°-60°)	466.0	10.6	B1/1000		
BH	(60°-80°)	277.4	6.3	B1/500		G1/500
BVH	(80°-90°)	32.8	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5
2.5°	508.9	510.5	513.7	512.1	512.1	507.3	515.3	516.9	513.7	515.3	518.5
5°	508.9	512.1	516.9	513.7	515.3	513.7	510.5	515.3	515.3	516.9	521.7
7.5°	536.1	534.5	534.5	529.7	528.1	526.5	528.1	528.1	524.9	526.5	526.5
10°	566.5	566.5	563.3	563.3	560.1	552.1	544.1	542.5	537.7	539.3	539.3
12.5°	598.5	601.7	604.9	595.3	592.1	579.3	574.5	564.9	564.9	561.7	560.1
15°	638.5	633.7	636.9	633.7	625.7	612.9	604.9	606.5	595.3	592.1	587.3
17.5°	673.7	675.3	670.5	667.3	652.9	643.3	644.9	643.3	628.9	624.1	616.1
20°	715.3	713.7	713.7	704.1	691.3	678.5	673.7	672.1	675.3	665.7	646.5
22.5°	758.6	752.1	752.1	744.1	726.5	718.5	715.3	708.9	712.1	704.1	675.3
25°	793.8	793.8	805.0	789.0	779.4	763.4	757.0	758.6	760.2	744.1	710.5
27.5°	840.2	832.2	843.4	835.4	830.6	813.0	805.0	809.8	806.6	789.0	742.5
30°	899.4	901.0	894.6	883.4	877.0	864.2	859.4	854.6	859.4	837.0	777.8
32.5°	973.0	977.8	961.8	949.0	937.8	925.0	915.4	910.6	915.4	881.8	805.0
35°	1057.8	1062.6	1049.8	1035.4	1022.6	990.6	982.6	974.6	957.0	902.6	830.6
37.5°	1136.2	1129.8	1126.6	1126.6	1102.6	1056.2	1051.4	1046.6	1013.0	944.2	865.8
40°	1189.0	1197.0	1193.8	1190.6	1187.4	1144.2	1134.6	1126.6	1070.6	1006.6	915.4
42.5°	1248.2	1243.4	1256.2	1261.1	1249.8	1237.0	1198.6	1171.4	1121.8	1070.6	989.0
45°	1318.7	1315.5	1320.3	1337.9	1321.9	1326.7	1262.7	1243.4	1181.0	1150.6	1081.8
47.5°	1381.1	1389.1	1413.1	1417.9	1405.1	1427.5	1337.9	1307.5	1267.5	1243.4	1177.8
50°	1408.3	1417.9	1472.3	1505.9	1507.5	1542.7	1413.1	1400.3	1345.9	1355.5	1297.9
52.5°	1385.9	1416.3	1481.9	1569.9	1624.3	1659.5	1512.3	1505.9	1456.3	1486.7	1429.1
55°	1406.7	1435.5	1478.7	1601.9	1739.5	1747.5	1649.9	1625.9	1576.3	1617.9	1565.1
57.5°	1416.3	1400.3	1481.9	1637.1	1824.4	1845.2	1781.2	1763.6	1725.1	1765.2	1734.7
60°	1341.1	1360.3	1437.1	1627.5	1829.2	1949.2	1928.4	1902.8	1867.6	1904.4	1886.8
62.5°	1256.2	1269.1	1352.3	1569.9	1856.4	2024.4	2070.8	2051.6	2002.0	2034.0	2064.4
65°	1149.0	1150.6	1243.4	1467.5	1803.6	2067.6	2195.6	2194.0	2158.8	2150.8	2198.8
67.5°	1017.8	1030.6	1104.2	1358.7	1731.5	2115.6	2318.9	2342.9	2272.5	2210.0	2227.6
70°	781.0	793.8	864.2	1113.8	1584.3	2101.2	2470.9	2483.7	2346.1	2187.6	2142.8
72.5°	406.5	409.7	481.7	672.1	1123.4	1866.0	2526.9	2560.5	2365.3	2122.0	1910.8
75°	134.4	134.4	164.8	256.1	529.7	1193.8	2288.5	2349.3	2270.9	1958.8	1563.5
77.5°	80.0	81.6	97.6	128.0	211.2	476.9	1613.1	1720.3	1858.0	1665.9	1142.6
80°	57.6	59.2	73.6	88.0	126.4	153.6	809.8	958.6	1141.0	1072.2	609.7
82.5°	43.2	43.2	57.6	65.6	86.4	91.2	225.6	308.9	492.9	384.1	168.0
85°	44.8	44.8	44.8	46.4	59.2	52.8	94.4	100.8	144.0	126.4	46.4
87.5°	16.0	17.6	44.8	30.4	30.4	22.4	36.8	40.0	51.2	52.8	17.6
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°	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5
2.5°	520.1	520.1	521.7	521.7	524.9	528.1	532.9	529.7	529.7	531.3	529.7
5°	518.5	520.1	524.9	532.9	536.1	537.7	547.3	547.3	547.3	550.5	550.5
7.5°	524.9	528.1	536.1	544.1	545.7	550.5	563.3	566.5	574.5	577.7	579.3
10°	540.9	545.7	552.1	561.7	568.1	574.5	584.1	595.3	593.7	603.3	604.9
12.5°	564.9	563.3	574.5	584.1	590.5	600.1	603.3	603.3	603.3	603.3	606.5
15°	584.1	587.3	596.9	603.3	611.3	609.7	603.3	596.9	598.5	596.9	596.9
17.5°	612.9	612.9	620.9	622.5	625.7	609.7	600.1	600.1	604.9	604.9	601.7
20°	641.7	640.1	643.3	641.7	620.9	601.7	600.1	601.7	603.3	601.7	600.1
22.5°	668.9	665.7	660.9	654.5	617.7	600.1	596.9	588.9	580.9	580.9	576.1
25°	692.9	689.7	676.9	657.7	616.1	590.5	574.5	555.3	545.7	540.9	547.3
27.5°	715.3	708.9	691.3	657.7	601.7	564.9	534.5	510.5	502.5	496.1	502.5
30°	745.7	734.5	710.5	652.9	579.3	524.9	483.3	454.5	446.5	436.9	440.1
32.5°	773.0	747.3	726.5	638.5	550.5	480.1	432.1	403.3	388.9	380.9	387.3
35°	801.8	776.2	732.9	616.1	505.7	425.7	377.7	350.5	339.3	328.1	328.1
37.5°	830.6	816.2	742.5	574.5	451.3	374.5	331.3	310.5	291.3	270.5	270.5
40°	891.4	872.2	753.7	526.5	396.9	324.9	294.5	267.3	248.0	219.2	217.6
42.5°	955.4	913.8	753.7	468.9	348.9	289.7	260.9	232.0	196.8	179.2	180.8
45°	1037.0	989.0	732.9	417.7	300.9	260.9	228.8	192.0	176.0	164.8	164.8
47.5°	1139.4	1064.2	707.3	361.7	262.5	235.2	195.2	172.8	161.6	152.0	150.4
50°	1261.1	1133.0	675.3	313.7	230.4	211.2	177.6	160.0	150.4	144.0	144.0
52.5°	1389.1	1233.8	652.9	270.5	204.8	179.2	164.8	153.6	145.6	140.8	139.2
55°	1518.7	1334.7	636.9	224.0	180.8	164.8	161.6	152.0	148.8	144.0	140.8
57.5°	1664.3	1417.9	633.7	192.0	161.6	158.4	164.8	156.8	152.0	147.2	142.4
60°	1821.2	1529.9	604.9	166.4	152.0	155.2	160.0	152.0	148.8	144.0	140.8
62.5°	1976.4	1613.1	526.5	147.2	142.4	145.6	152.0	145.6	140.8	142.4	144.0
65°	2040.4	1619.5	408.1	132.8	131.2	132.8	142.4	140.8	136.0	145.6	145.6
67.5°	1976.4	1561.9	288.1	120.0	120.0	128.0	144.0	147.2	142.4	155.2	153.6
70°	1830.8	1419.5	195.2	112.0	115.2	136.0	148.8	145.6	139.2	155.2	152.0
72.5°	1553.9	1136.2	142.4	104.0	108.8	129.6	147.2	144.0	139.2	145.6	139.2
75°	1166.6	808.2	112.0	94.4	96.0	116.8	152.0	144.0	131.2	128.0	123.2
77.5°	779.4	499.3	86.4	83.2	83.2	102.4	145.6	134.4	118.4	113.6	112.0
80°	371.3	200.0	68.8	70.4	72.0	88.0	132.8	120.0	107.2	100.8	100.8
82.5°	118.4	75.2	57.6	57.6	57.6	72.0	110.4	100.8	92.8	88.0	80.0
85°	41.6	41.6	49.6	51.2	46.4	52.8	91.2	86.4	76.8	64.0	62.4
87.5°	16.0	24.0	33.6	40.0	28.8	36.8	65.6	60.8	56.0	41.6	40.0
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)