

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: P672104

Luminaire Tested: **CCP-SA-1F-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672104
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

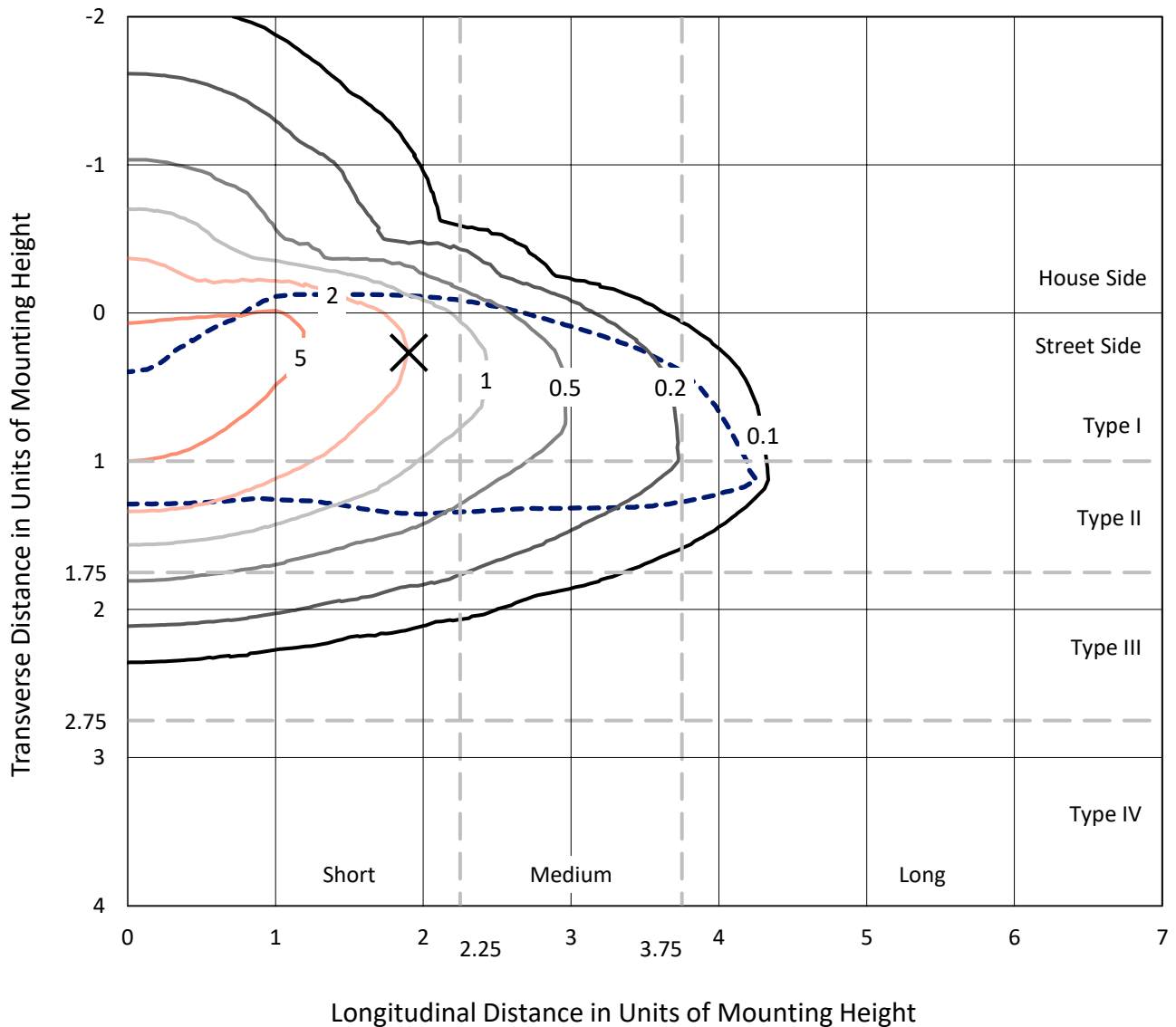
Lumens per Lamp: N/A
Luminaire Lumens: 7511.5 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

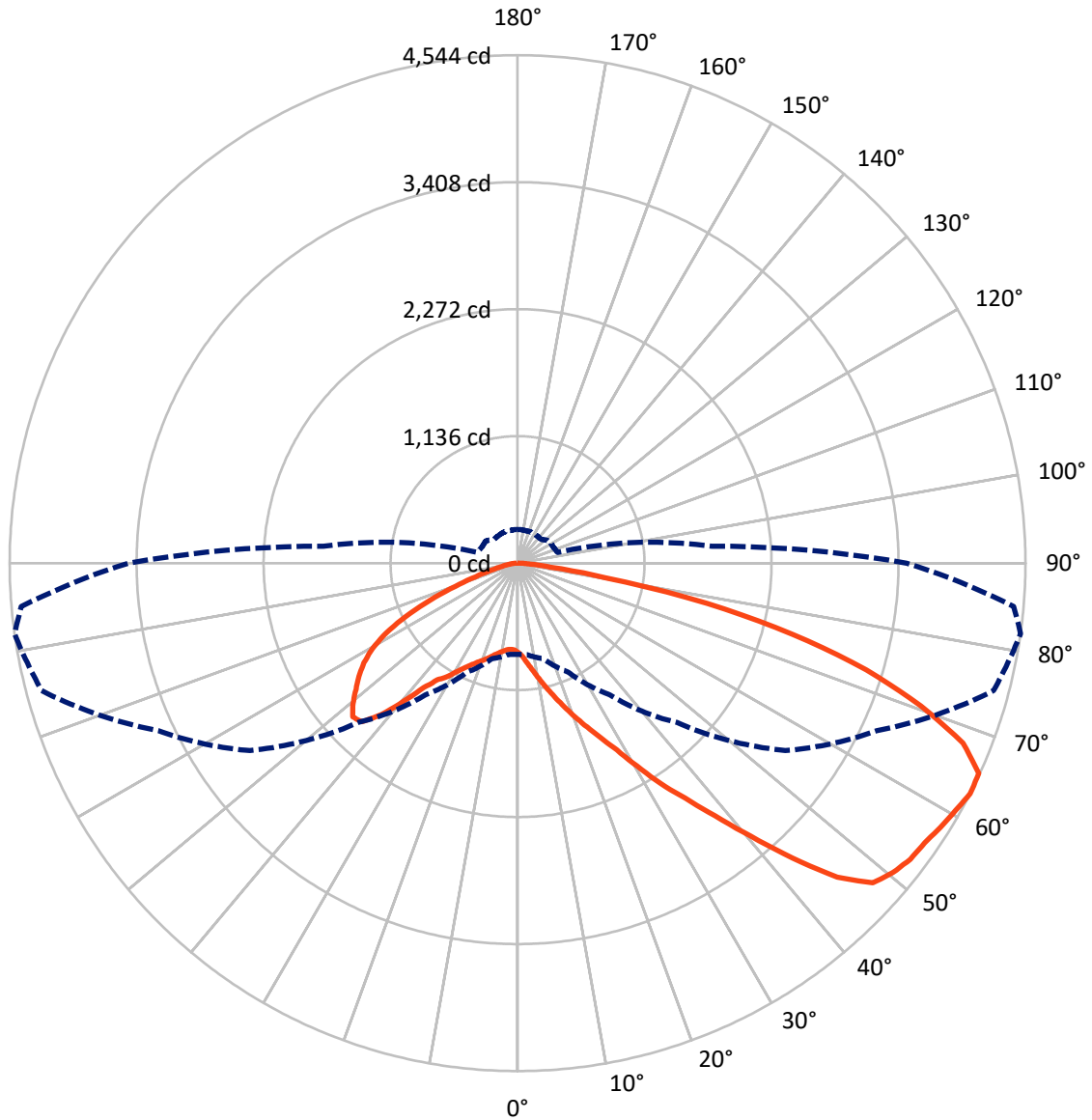
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 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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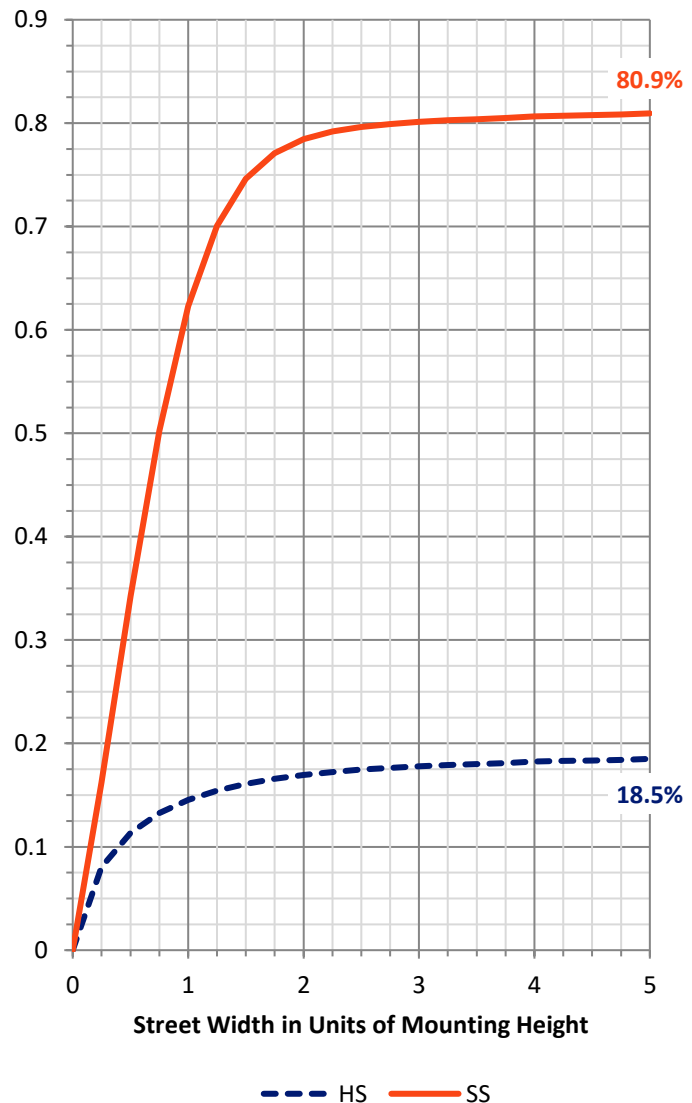
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1415.1	0.0	1415.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6096.4	0.0	6096.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	7511.5	0.0	7511.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.2
10°-20°	333.4	4.4
20°-30°	690.4	9.2
30°-40°	1171.9	15.6
40°-50°	1595.8	21.2
50°-60°	1615.3	21.5
60°-70°	1273.1	16.9
70°-80°	627.1	8.3
80°-90°	116.0	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°	7511.5	100.0
0°-180°	7511.5	100.0



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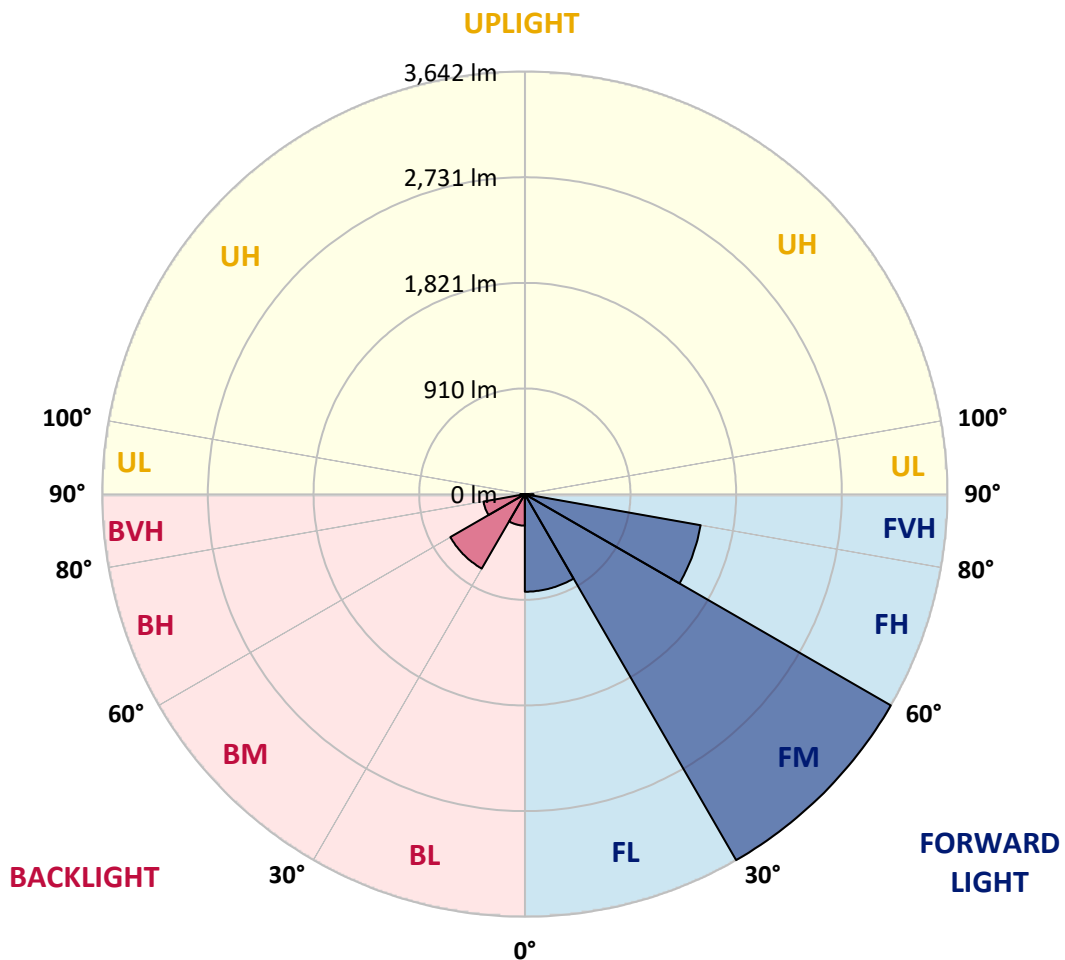
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	840.7	11.2			
FM (30°-60°)	3641.8	48.5			
FH (60°-80°)	1538.5	20.5			G1/1800
FVH (80°-90°)	75.4	1.0			G1/100
BL (0°-30°)	271.5	3.6	B1/500		
BM (30°-60°)	741.2	9.9	B1/1000		
BH (60°-80°)	361.7	4.8	B1/500		G1/500
BVH (80°-90°)	40.6	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°	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8
2.5°	1063.8	1047.6	1038.9	1029.2	1002.2	984.8	952.4	914.5	870.7	833.4	826.4
5°	1288.2	1272.0	1274.2	1250.4	1210.9	1174.1	1113.6	1042.2	958.9	895.1	872.9
7.5°	1446.7	1428.9	1433.2	1423.5	1391.5	1351.0	1274.2	1182.2	1060.6	965.9	930.2
10°	1552.7	1554.9	1558.1	1554.3	1533.8	1505.1	1428.9	1327.2	1175.8	1049.7	1001.1
12.5°	1672.8	1678.7	1677.6	1679.3	1668.4	1645.7	1571.1	1475.4	1298.5	1140.1	1076.8
15°	1825.8	1819.9	1824.7	1831.8	1819.9	1795.0	1729.0	1615.4	1427.2	1240.7	1162.2
17.5°	1993.5	1981.0	1994.0	1987.0	1978.3	1962.1	1889.6	1768.5	1560.3	1349.4	1257.4
20°	2138.4	2130.3	2137.3	2138.4	2140.0	2136.8	2062.2	1933.5	1699.8	1467.8	1360.2
22.5°	2301.2	2297.4	2296.3	2296.9	2298.5	2302.3	2251.5	2114.1	1854.5	1592.2	1471.0
25°	2528.9	2525.1	2500.2	2472.7	2456.4	2468.3	2441.8	2319.1	2025.4	1731.7	1592.7
27.5°	2784.2	2778.2	2745.2	2675.5	2623.5	2632.2	2629.5	2545.1	2222.3	1891.8	1738.8
30°	3049.2	3034.6	2989.1	2891.3	2809.6	2794.4	2802.0	2773.9	2470.0	2104.4	1942.1
32.5°	3285.5	3258.5	3198.4	3099.5	3002.1	2958.3	2959.4	2971.8	2739.3	2352.1	2155.2
35°	3429.9	3412.1	3367.2	3267.1	3158.4	3129.2	3121.1	3183.3	2986.4	2581.4	2346.1
37.5°	3507.8	3490.5	3442.4	3361.8	3279.6	3267.7	3282.8	3379.1	3267.1	2867.5	2605.7
40°	3493.7	3475.3	3444.0	3387.7	3333.6	3342.8	3409.9	3558.6	3573.8	3209.8	2975.6
42.5°	3378.0	3358.5	3355.8	3352.0	3326.6	3367.2	3488.3	3690.1	3855.5	3605.1	3423.4
45°	3173.6	3161.7	3175.7	3240.6	3272.5	3351.0	3525.1	3753.9	4103.2	4007.0	3846.9
47.5°	2914.5	2907.5	2939.4	3042.1	3145.4	3301.2	3549.4	3771.2	4273.6	4273.6	4124.3
50°	2624.6	2621.9	2664.1	2813.4	2975.1	3209.8	3546.7	3787.4	4348.2	4352.0	4222.2
52.5°	2220.1	2234.2	2346.6	2543.5	2763.1	3066.5	3508.9	3832.8	4390.4	4399.1	4287.7
55°	1753.9	1767.4	1937.2	2202.2	2483.5	2892.3	3395.8	3819.3	4398.5	4418.0	4325.0
57.5°	1400.2	1402.9	1508.9	1823.7	2172.0	2669.5	3265.5	3729.5	4374.7	4459.6	4382.3
60°	1095.7	1104.4	1175.2	1424.5	1810.7	2382.3	3120.0	3640.8	4388.3	4499.1	4434.2
62.5°	816.1	818.3	884.3	1077.3	1438.6	2016.2	2922.6	3546.2	4407.2	4543.5	4455.3
65°	531.6	531.1	594.9	769.1	1074.6	1620.9	2612.7	3398.0	4408.8	4533.7	4358.5
67.5°	338.0	340.2	367.8	477.5	719.3	1223.3	2190.9	3122.7	4332.0	4297.9	4005.9
70°	274.2	274.7	283.4	312.1	438.1	836.1	1646.8	2692.2	4089.2	3828.0	3481.8
72.5°	244.5	245.0	249.3	252.6	292.0	502.4	1080.6	2186.0	3657.6	3262.8	2888.6
75°	219.6	219.6	222.3	219.0	239.6	315.3	613.3	1643.6	3012.4	2540.8	2182.2
77.5°	192.5	192.0	192.0	190.4	207.1	230.4	307.2	1147.1	2169.8	1732.8	1415.3
80°	163.3	162.2	163.9	162.8	179.0	174.7	179.0	707.9	1176.3	794.5	602.5
82.5°	127.1	127.1	132.0	133.0	147.6	126.6	126.0	335.9	446.7	296.9	222.3
85°	66.5	74.6	100.6	104.9	111.4	79.5	92.5	156.8	179.0	113.6	81.1
87.5°	20.0	21.1	61.7	69.2	68.7	40.0	56.8	75.7	83.8	50.3	33.0
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°	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8	798.8
2.5°	808.5	789.6	749.6	713.9	686.8	660.9	643.0	633.8	621.9	623.6	619.8
5°	833.4	794.5	723.6	666.3	627.9	598.7	580.8	571.7	563.0	558.7	561.9
7.5°	870.7	810.2	711.2	642.0	601.9	577.1	567.3	564.6	562.5	560.8	563.5
10°	918.9	837.7	709.0	633.3	596.5	581.4	577.6	576.0	573.8	571.7	573.3
12.5°	968.1	868.0	716.6	635.5	605.2	593.8	589.0	586.8	581.4	578.7	579.2
15°	1029.7	904.8	726.9	644.1	616.5	601.9	595.4	589.5	580.8	577.1	578.7
17.5°	1095.7	948.6	740.9	652.2	620.9	603.0	590.0	581.4	572.7	567.3	567.9
20°	1170.3	991.9	753.4	654.9	618.7	593.8	578.1	567.9	556.5	550.6	548.9
22.5°	1247.7	1037.3	763.1	652.8	606.8	578.1	560.3	547.9	534.3	525.1	525.7
25°	1341.8	1099.0	771.2	645.2	591.1	557.6	537.6	521.9	507.8	499.2	499.7
27.5°	1454.8	1168.7	781.0	633.3	572.2	535.4	512.2	496.5	483.0	474.8	473.8
30°	1605.7	1259.6	791.8	618.7	548.4	511.1	488.4	472.1	459.2	451.6	451.6
32.5°	1775.5	1370.5	799.3	601.4	521.9	485.1	464.6	451.6	441.9	431.6	430.5
35°	1923.2	1456.4	822.6	587.9	498.6	460.8	446.7	437.5	422.9	413.2	411.6
37.5°	2140.0	1607.9	891.3	584.1	470.5	441.9	439.2	421.8	405.1	386.7	385.1
40°	2489.4	1870.2	971.3	565.7	441.3	431.6	428.9	405.6	366.1	354.8	352.6
42.5°	2934.0	2186.0	980.0	512.2	420.8	422.9	414.8	369.4	352.1	343.4	341.3
45°	3335.3	2442.4	930.8	457.5	405.6	409.9	393.2	355.9	346.1	338.0	335.9
47.5°	3560.8	2521.3	837.7	416.4	394.3	398.6	358.6	349.4	339.6	331.5	329.4
50°	3624.1	2452.6	729.6	392.6	385.6	387.2	349.4	344.0	335.3	328.8	325.6
52.5°	3636.5	2349.9	629.5	378.6	379.1	364.5	341.3	336.9	331.5	321.3	317.5
55°	3641.9	2257.4	539.7	369.9	374.8	335.3	332.6	329.4	325.0	314.2	312.1
57.5°	3656.0	2139.0	469.4	363.4	369.4	321.8	322.9	320.7	315.3	310.4	309.4
60°	3616.0	1975.1	415.4	356.9	361.8	310.4	311.5	312.6	307.7	306.6	306.1
62.5°	3481.8	1742.5	369.4	348.3	346.1	299.1	299.1	303.4	299.1	300.7	300.7
65°	3205.5	1446.2	328.3	332.1	321.8	286.6	286.1	293.7	287.2	294.2	294.8
67.5°	2734.4	1094.6	286.1	306.6	296.4	273.7	275.8	281.8	273.1	287.7	287.7
70°	2164.4	744.7	242.3	271.0	270.4	259.1	266.1	265.5	255.8	277.4	273.7
72.5°	1612.2	478.1	197.4	227.1	236.3	243.4	256.4	245.0	235.8	248.2	236.9
75°	1126.5	299.6	155.8	179.6	196.9	226.1	244.5	221.7	208.2	204.4	201.2
77.5°	674.4	191.5	122.8	136.8	153.6	205.5	229.3	197.4	176.9	174.7	168.2
80°	311.0	124.9	93.6	102.2	109.2	176.3	208.8	168.7	143.9	141.7	134.1
82.5°	140.6	82.2	69.8	73.0	73.6	140.1	176.3	133.6	109.8	177.9	154.1
85°	65.4	53.0	45.4	43.3	43.8	93.6	128.2	91.9	124.9	97.3	74.1
87.5°	28.1	27.0	23.3	18.4	16.8	20.0	49.2	38.4	54.6	21.6	14.6
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)