

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: P670695

Luminaire Tested: **CCP-SA-1D-760-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670695
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-760-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

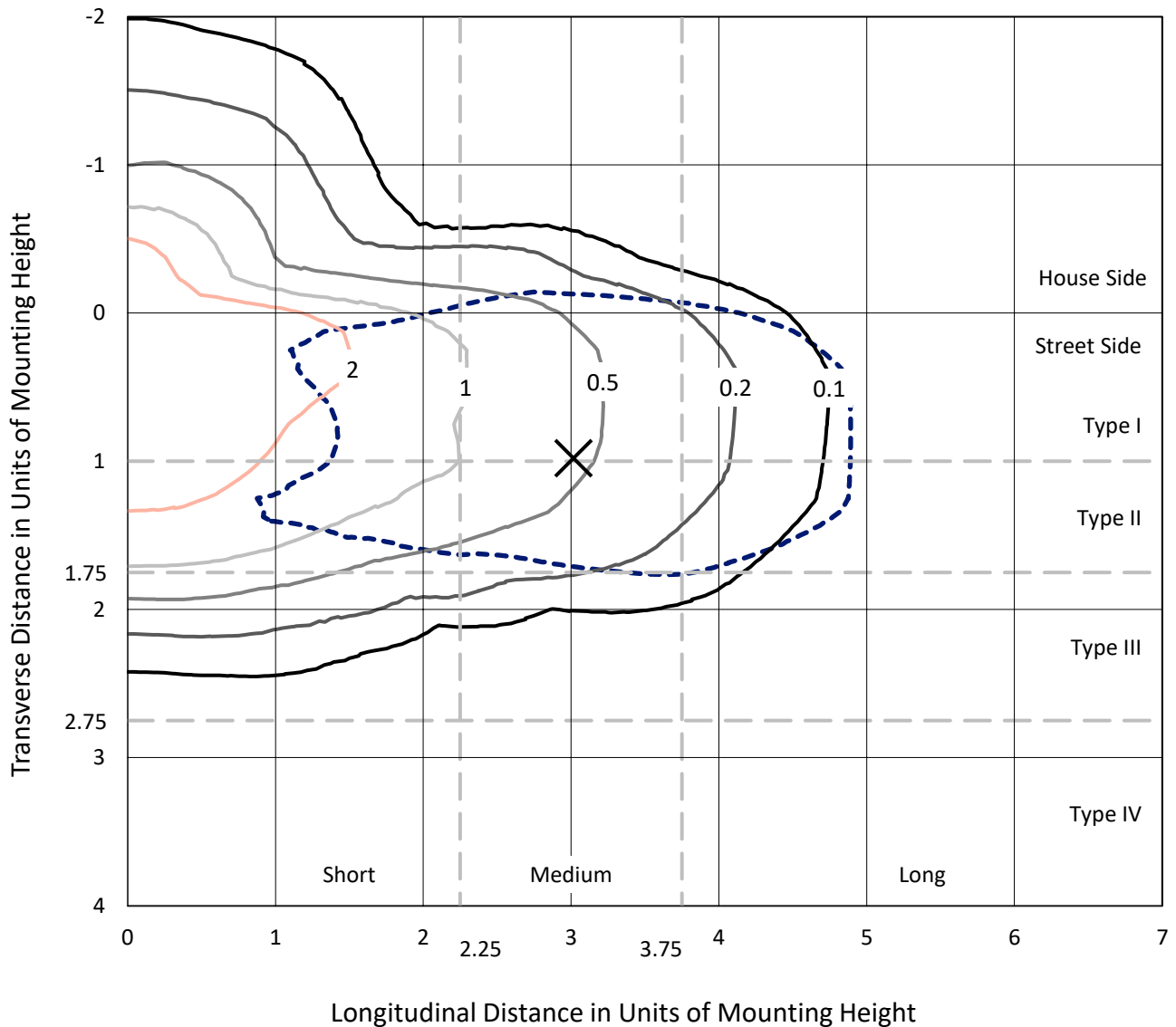
Lumens per Lamp: N/A
Luminaire Lumens: 5690.4 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

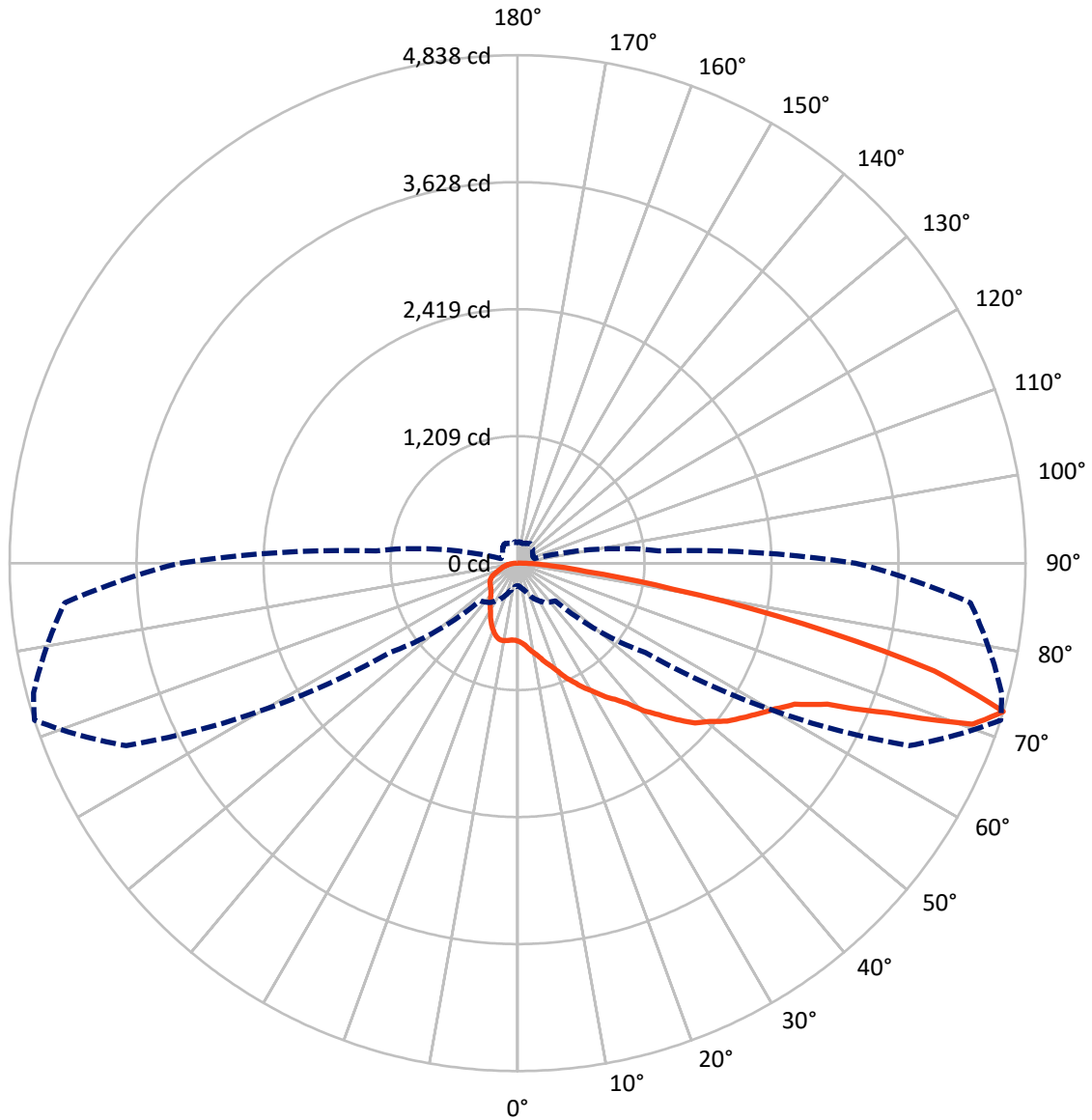
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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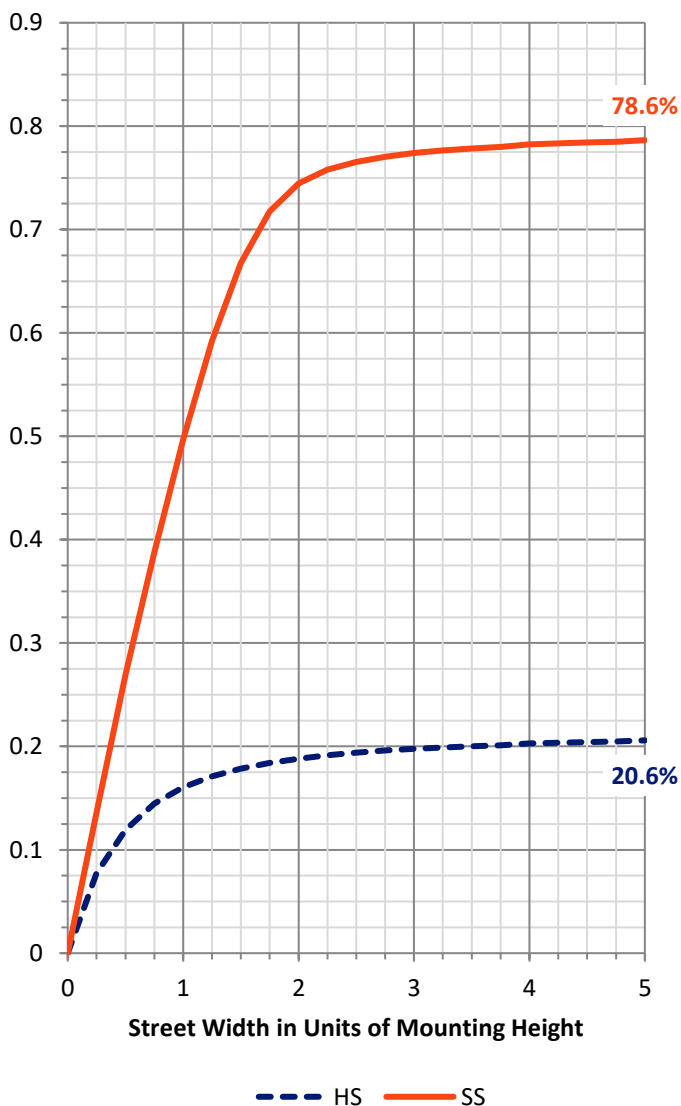
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1197.6	0.0	1197.6
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4492.8	0.0	4492.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	5690.4	0.0	5690.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.3
10°-20°	228.4	4.0
20°-30°	395.1	6.9
30°-40°	583.7	10.3
40°-50°	868.0	15.3
50°-60°	1189.9	20.9
60°-70°	1290.7	22.7
70°-80°	910.0	16.0
80°-90°	151.2	2.7
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°	5690.4	100.0
0°-180°	5690.4	100.0

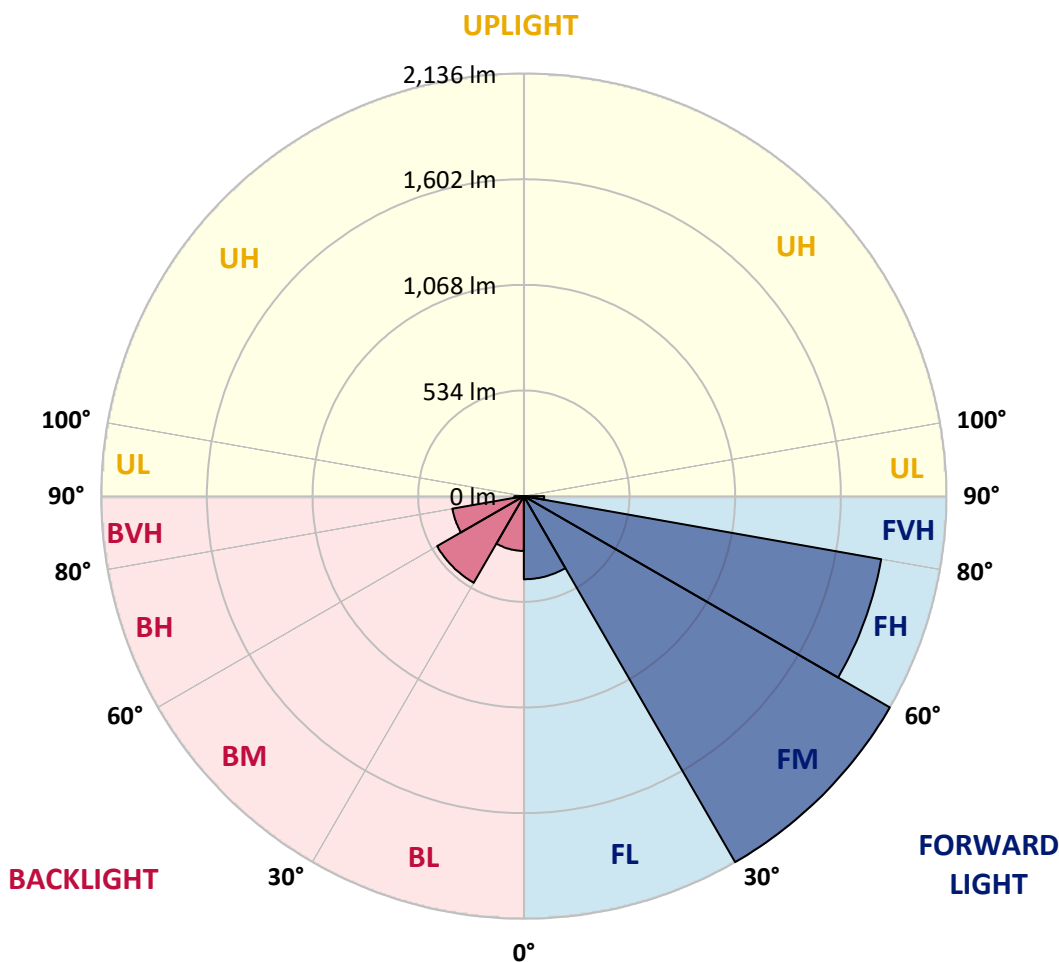


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.2	7.4			
FM (30°-60°)	2135.7	37.5			
FH (60°-80°)	1833.8	32.2			G2/5000
FVH (80°-90°)	103.1	1.8			G2/225
BL (0°-30°)	276.8	4.9	B1/500		
BM (30°-60°)	505.8	8.9	B1/1000		
BH (60°-80°)	366.9	6.4	B1/500		G1/500
BVH (80°-90°)	48.1	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3
2.5°	802.1	802.1	795.8	793.7	793.7	776.9	779.0	768.5	760.1	760.1	751.7
5°	844.1	839.9	839.9	839.9	829.4	823.1	821.0	802.1	787.4	789.5	764.3
7.5°	854.6	856.7	858.8	869.3	863.0	867.2	863.0	842.0	831.5	821.0	797.9
10°	860.9	865.1	865.1	879.8	879.8	890.3	896.6	888.2	869.3	858.8	821.0
12.5°	875.6	869.3	877.7	888.2	898.7	917.6	936.5	928.1	915.5	902.9	860.9
15°	875.6	877.7	884.0	900.8	917.6	936.5	970.1	982.7	976.4	953.3	909.2
17.5°	850.4	844.1	873.5	905.0	936.5	959.6	1003.7	1033.1	1028.9	1020.5	953.3
20°	852.5	858.8	869.3	896.6	947.0	989.0	1043.6	1091.9	1102.4	1098.2	1012.1
22.5°	890.3	892.4	902.9	915.5	955.4	1010.0	1091.9	1169.6	1188.5	1178.0	1077.2
25°	928.1	944.9	944.9	953.3	968.0	1024.7	1123.4	1232.6	1259.9	1262.0	1144.4
27.5°	989.0	993.2	1005.8	1010.0	1022.6	1056.2	1159.1	1278.8	1341.8	1333.4	1205.3
30°	1060.4	1062.5	1070.9	1066.7	1068.8	1110.8	1192.7	1331.3	1417.3	1419.4	1270.4
32.5°	1144.4	1161.2	1165.4	1138.1	1142.3	1152.8	1245.2	1394.3	1511.8	1497.1	1327.1
35°	1268.3	1274.6	1262.0	1249.4	1217.9	1211.6	1299.8	1457.2	1593.7	1610.5	1411.0
37.5°	1421.5	1438.3	1421.5	1354.4	1320.8	1295.6	1367.0	1526.5	1692.4	1749.1	1495.0
40°	1564.3	1562.2	1545.4	1484.5	1425.7	1406.8	1463.5	1623.1	1845.7	1900.3	1616.8
42.5°	1679.8	1673.5	1663.0	1616.8	1562.2	1530.7	1574.8	1723.9	1973.8	2078.8	1757.5
45°	1780.6	1772.2	1774.3	1721.8	1669.3	1686.1	1686.1	1839.4	2125.0	2255.2	1919.2
47.5°	1875.1	1879.3	1873.0	1833.1	1793.2	1837.3	1814.2	1971.7	2274.1	2418.9	2055.7
50°	1984.3	1992.7	1971.7	1946.5	1910.8	1954.9	1925.5	2095.6	2370.6	2568.0	2219.5
52.5°	2087.2	2095.6	2114.5	2083.0	2047.3	2083.0	2015.8	2211.1	2498.7	2712.9	2345.4
55°	2112.4	2108.2	2213.2	2246.8	2265.7	2158.6	2095.6	2309.8	2599.5	2805.3	2488.2
57.5°	1996.9	2007.4	2150.2	2246.8	2448.3	2355.9	2185.9	2425.2	2704.5	2927.1	2620.5
60°	1709.2	1715.5	1894.0	2122.9	2416.8	2540.7	2429.4	2574.3	2820.0	3030.0	2769.6
62.5°	1142.3	1190.6	1413.1	1772.2	2194.3	2591.1	2817.9	2826.3	2960.7	3160.2	2973.3
65°	602.6	625.7	800.0	1089.8	1663.0	2416.8	3183.3	3326.0	3242.1	3399.5	3267.3
67.5°	394.8	403.2	497.6	661.4	959.6	1763.8	3225.3	4193.3	3806.9	3855.2	3737.6
70°	294.0	298.2	367.5	489.2	594.2	942.8	2643.6	4598.5	4596.4	4468.3	4296.1
72.5°	216.3	222.6	270.9	373.8	457.8	508.1	1486.6	4113.5	4837.9	4772.8	4329.7
75°	170.1	174.3	199.5	289.8	369.6	333.9	753.8	3046.8	4103.0	4415.8	3962.3
77.5°	138.6	142.8	157.5	210.0	296.1	258.3	361.2	1965.4	2782.2	3179.1	3032.1
80°	115.5	115.5	126.0	149.1	228.9	195.3	214.2	1104.5	1499.2	1654.6	1375.4
82.5°	98.7	96.6	105.0	109.2	170.1	140.7	138.6	499.7	659.3	699.2	516.5
85°	63.0	65.1	98.7	94.5	111.3	96.6	77.7	237.3	310.8	317.1	193.2
87.5°	25.2	25.2	42.0	52.5	63.0	58.8	37.8	107.1	136.5	136.5	54.6
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°	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3	743.3
2.5°	749.6	741.2	734.9	730.7	720.2	709.7	711.8	709.7	701.3	697.1	697.1
5°	758.0	749.6	739.1	722.3	711.8	699.2	703.4	695.0	686.6	692.9	682.4
7.5°	779.0	764.3	749.6	724.4	707.6	688.7	680.3	676.1	669.8	665.6	665.6
10°	808.4	787.4	760.1	722.3	695.0	665.6	661.4	653.0	646.7	646.7	644.6
12.5°	837.8	814.7	768.5	707.6	661.4	640.4	638.3	640.4	644.6	646.7	648.8
15°	875.6	837.8	766.4	680.3	634.1	625.7	636.2	644.6	653.0	661.4	659.3
17.5°	911.3	867.2	747.5	646.7	611.0	613.1	632.0	648.8	665.6	674.0	676.1
20°	959.6	894.5	720.2	606.8	587.9	606.8	632.0	653.0	671.9	682.4	684.5
22.5°	1014.2	926.0	684.5	571.1	569.0	587.9	613.1	644.6	665.6	684.5	682.4
25°	1062.5	947.0	638.3	541.7	545.9	558.5	587.9	621.5	642.5	663.5	657.2
27.5°	1094.0	951.2	590.0	520.7	520.7	533.3	560.6	581.6	600.5	617.3	619.4
30°	1129.7	942.8	535.4	493.4	493.4	510.2	520.7	533.3	543.8	548.0	552.2
32.5°	1171.7	923.9	501.8	472.4	472.4	485.0	491.3	487.1	485.0	474.5	480.8
35°	1211.6	896.6	464.1	445.2	453.6	459.9	457.8	445.2	432.6	413.7	407.4
37.5°	1259.9	869.3	430.5	415.8	430.5	432.6	432.6	417.9	401.1	378.0	378.0
40°	1333.4	848.3	403.2	396.9	411.6	409.5	399.0	388.5	394.8	382.2	382.2
42.5°	1411.0	839.9	378.0	380.1	386.4	388.5	378.0	365.4	390.6	375.9	378.0
45°	1507.6	846.2	361.2	359.1	373.8	371.7	365.4	354.9	363.3	325.5	315.0
47.5°	1597.9	858.8	352.8	344.4	361.2	365.4	357.0	333.9	321.3	298.2	294.0
50°	1679.8	886.1	344.4	327.6	344.4	352.8	338.1	312.9	298.2	283.5	283.5
52.5°	1757.5	926.0	340.2	308.7	323.4	333.9	325.5	300.3	283.5	277.2	270.9
55°	1837.3	961.7	333.9	296.1	300.3	321.3	319.2	285.6	268.8	268.8	266.7
57.5°	1950.7	1010.0	325.5	275.1	283.5	306.6	306.6	279.3	260.4	262.5	264.6
60°	2066.2	1066.7	317.1	254.1	260.4	291.9	296.1	270.9	254.1	256.2	254.1
62.5°	2251.0	1171.7	300.3	228.9	241.5	273.0	283.5	260.4	245.7	249.9	249.9
65°	2530.2	1352.3	264.6	207.9	222.6	256.2	270.9	249.9	233.1	245.7	241.5
67.5°	2979.6	1600.0	222.6	191.1	210.0	239.4	256.2	237.3	222.6	241.5	235.2
70°	3382.7	1721.8	191.1	176.4	191.1	220.5	239.4	224.7	210.0	228.9	220.5
72.5°	3219.0	1350.2	165.9	159.6	174.3	199.5	222.6	207.9	193.2	203.7	195.3
75°	2778.0	1075.1	144.9	142.8	155.4	180.6	203.7	193.2	178.5	182.7	178.5
77.5°	2106.1	888.2	123.9	121.8	132.3	161.7	182.7	174.3	159.6	157.5	157.5
80°	940.7	436.8	102.9	102.9	109.2	138.6	155.4	151.2	136.5	134.4	132.3
82.5°	308.7	165.9	84.0	79.8	88.2	115.5	138.6	134.4	119.7	115.5	111.3
85°	123.9	79.8	60.9	60.9	69.3	96.6	123.9	115.5	96.6	86.1	86.1
87.5°	42.0	33.6	31.5	31.5	44.1	65.1	92.4	77.7	69.3	60.9	63.0
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)