

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: P672327

Luminaire Tested: **CCP-SA-2B-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672327
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

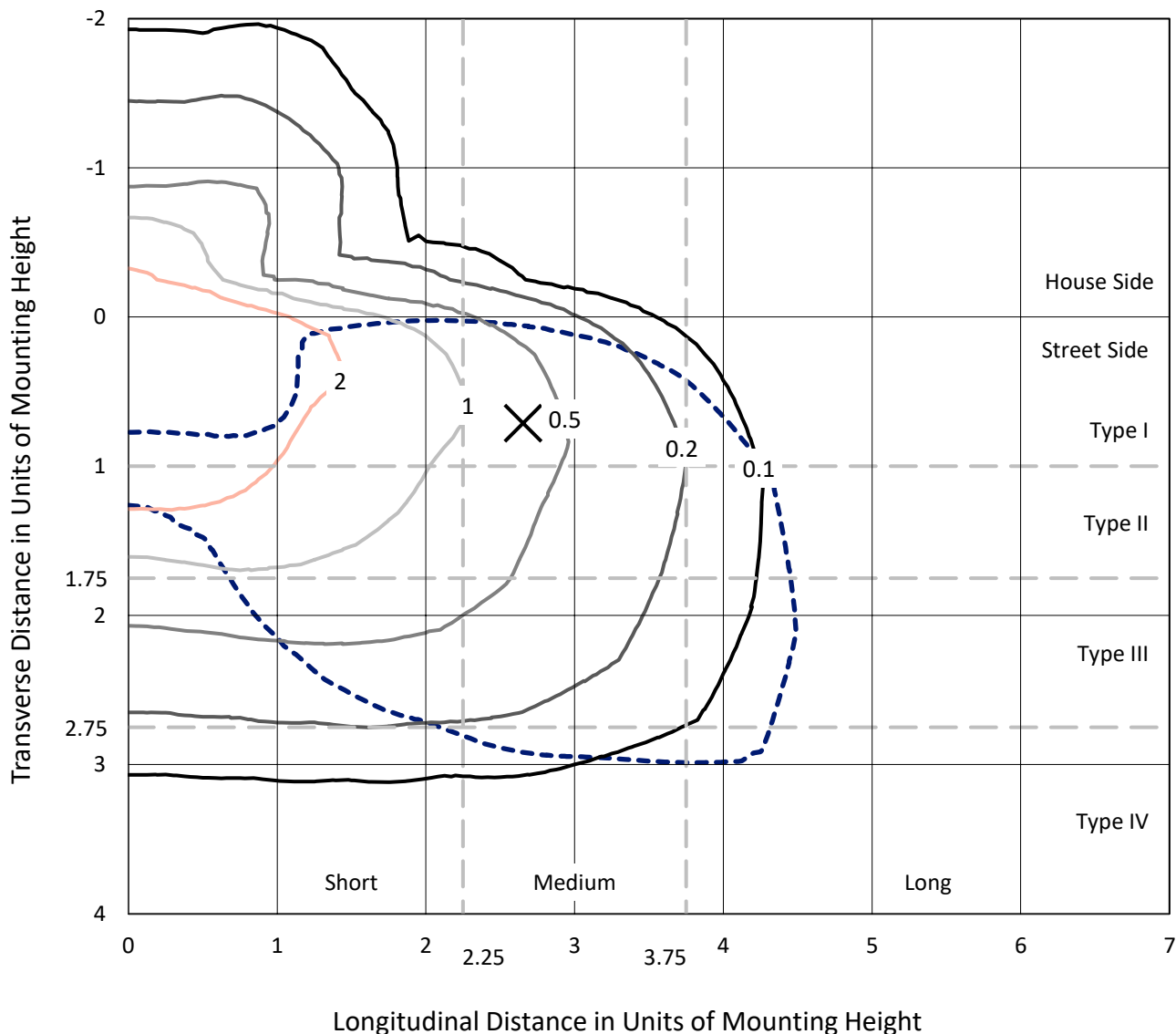
Lumens per Lamp: N/A
Luminaire Lumens: 5984.6 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

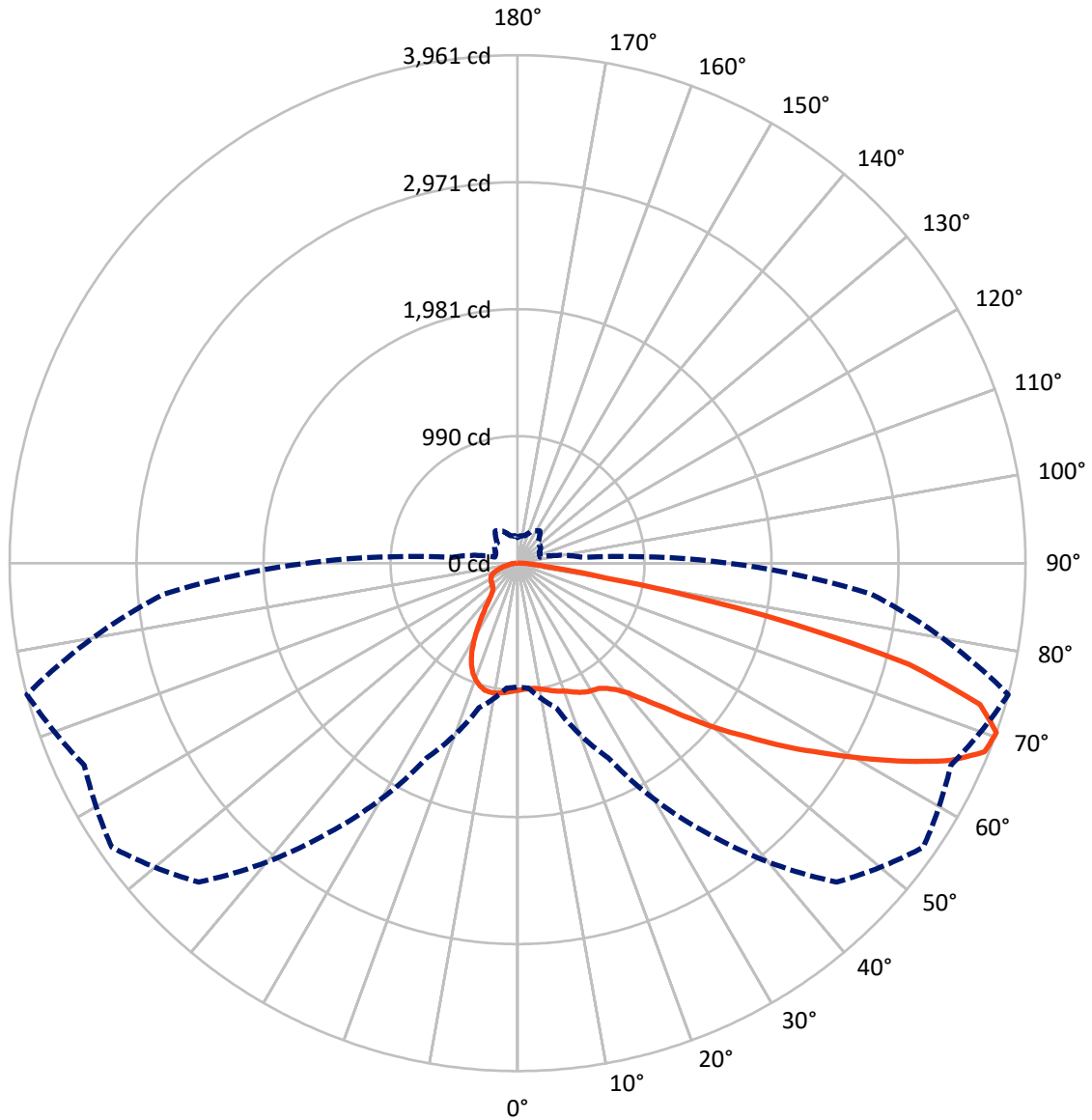
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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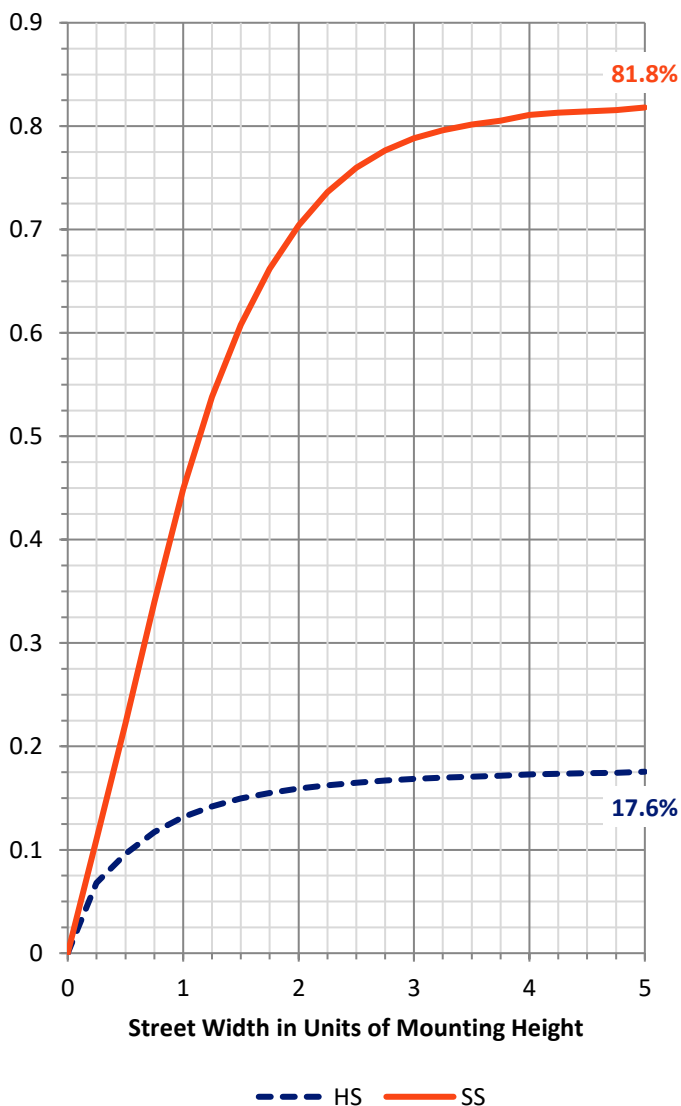
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1064.7	0.0	1064.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4919.9	0.0	4919.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	5984.6	0.0	5984.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.5
10°-20°	237.7	4.0
20°-30°	400.4	6.7
30°-40°	608.2	10.2
40°-50°	871.3	14.6
50°-60°	1155.1	19.3
60°-70°	1445.6	24.2
70°-80°	1055.6	17.6
80°-90°	121.7	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°	5984.6	100.0
0°-180°	5984.6	100.0



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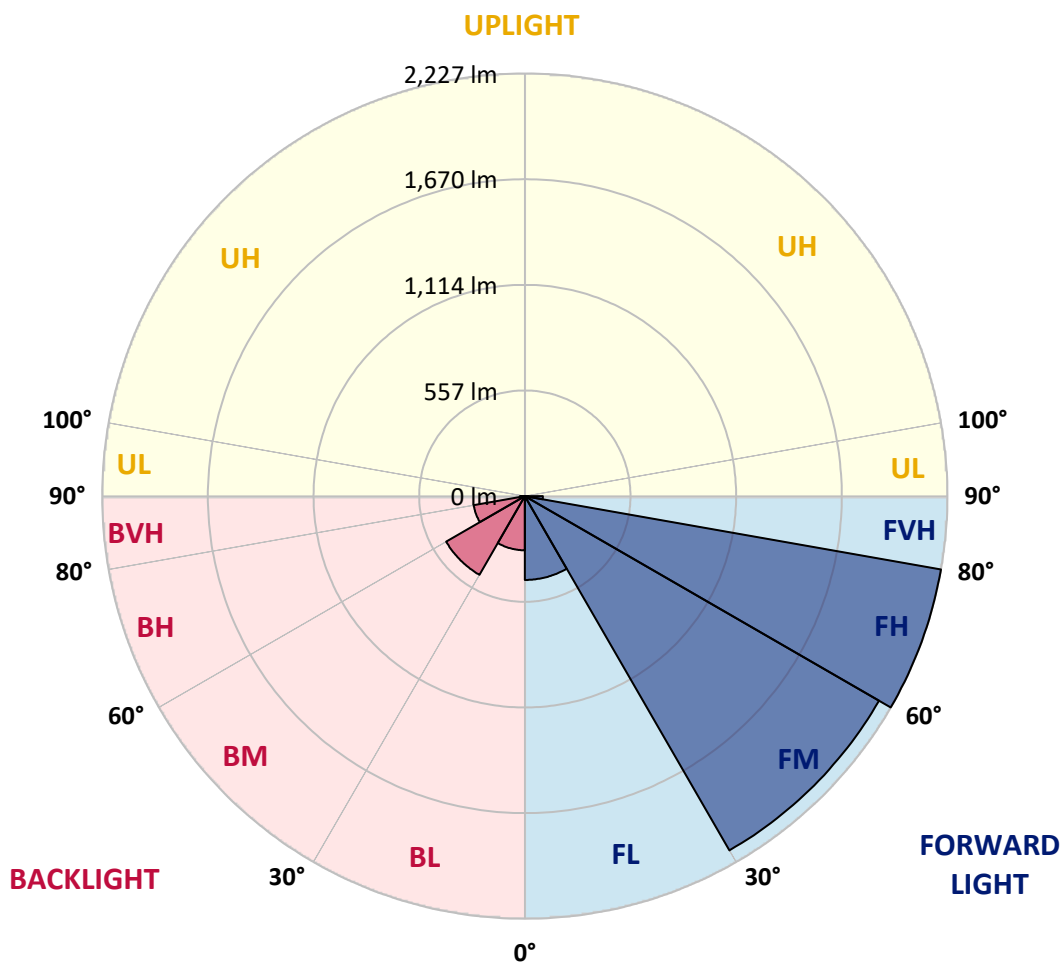
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.7	7.4			
FM (30°-60°)	2155.9	36.0			
FH (60°-80°)	2227.3	37.2			G2/5000
FVH (80°-90°)	95.0	1.6			G1/100
BL (0°-30°)	285.4	4.8	B1/500		
BM (30°-60°)	478.7	8.0	B1/1000		
BH (60°-80°)	273.9	4.6	B1/500		G1/500
BVH (80°-90°)	26.7	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°	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3
2.5°	937.1	942.2	947.0	951.7	955.6	965.9	968.1	979.3	982.3	984.9	988.3
5°	884.5	888.4	893.1	900.9	909.1	927.6	940.5	965.1	978.8	983.1	995.2
7.5°	856.1	857.4	863.9	870.3	879.8	897.9	915.5	953.9	981.4	986.2	1012.0
10°	835.4	837.2	843.2	852.2	861.7	878.5	900.5	946.1	990.9	998.2	1034.8
12.5°	828.1	827.3	834.1	840.2	853.5	874.6	897.4	946.5	1003.8	1014.2	1068.0
15°	857.4	851.8	856.1	854.0	858.3	878.9	906.1	956.0	1019.8	1032.7	1102.4
17.5°	922.0	917.3	914.2	895.7	883.7	895.3	921.1	969.4	1036.5	1050.3	1133.4
20°	1018.5	1005.1	993.9	962.9	929.3	925.4	943.5	982.7	1052.5	1065.8	1166.2
22.5°	1128.3	1117.5	1099.4	1045.2	993.1	967.2	971.9	1007.3	1075.7	1090.4	1203.6
25°	1266.9	1266.5	1229.5	1156.3	1077.5	1025.3	1015.4	1046.4	1102.0	1116.2	1234.6
27.5°	1425.0	1414.2	1370.3	1276.0	1176.9	1097.3	1074.0	1086.5	1123.1	1137.7	1259.6
30°	1560.2	1561.5	1516.7	1413.8	1282.9	1167.5	1123.5	1115.4	1136.9	1151.5	1282.9
32.5°	1704.9	1697.6	1656.7	1550.7	1397.4	1242.8	1155.4	1136.0	1151.1	1164.9	1315.2
35°	1841.0	1832.8	1797.5	1683.4	1523.6	1325.9	1198.5	1168.3	1184.7	1199.8	1354.8
37.5°	1970.6	1971.9	1931.8	1822.9	1645.9	1424.1	1262.2	1217.0	1234.6	1251.4	1415.1
40°	2083.9	2077.4	2046.4	1948.2	1772.9	1524.0	1334.1	1283.3	1317.8	1333.3	1491.3
42.5°	2120.0	2119.6	2131.7	2071.4	1906.4	1642.9	1423.7	1386.7	1435.3	1458.6	1584.7
45°	2088.6	2098.1	2167.8	2166.1	2039.9	1779.4	1546.0	1512.4	1582.6	1608.9	1698.9
47.5°	2057.6	2071.8	2166.5	2220.4	2159.6	1929.7	1696.3	1671.3	1772.1	1810.0	1817.3
50°	2012.4	2025.7	2138.5	2228.1	2232.9	2081.7	1890.9	1859.5	1989.1	2027.9	1946.1
52.5°	1962.0	1972.3	2089.0	2222.5	2267.7	2200.6	2081.7	2072.7	2221.7	2253.1	2077.0
55°	1683.8	1727.7	2016.2	2210.5	2291.9	2291.4	2267.3	2297.0	2475.3	2522.2	2223.0
57.5°	1524.0	1547.3	1811.3	2203.6	2337.1	2375.4	2458.9	2522.7	2746.2	2788.4	2384.0
60°	1471.9	1492.6	1708.3	2195.4	2427.1	2506.7	2646.3	2749.6	3037.3	3089.0	2564.0
62.5°	1424.5	1449.5	1666.6	2130.4	2536.0	2714.7	2869.8	2995.1	3344.3	3405.5	2743.2
65°	1328.1	1345.7	1589.9	2075.7	2639.4	3011.4	3192.3	3265.5	3641.9	3710.8	2862.0
67.5°	1161.4	1178.2	1417.2	1949.9	2706.6	3320.2	3545.0	3545.4	3871.9	3928.3	2887.0
70°	965.5	978.4	1168.3	1676.0	2566.6	3518.3	3863.3	3728.5	3936.9	3961.4	2768.1
72.5°	690.3	701.5	855.7	1238.9	2104.5	3357.7	3935.6	3720.7	3779.3	3771.5	2430.1
75°	425.5	447.0	524.1	756.2	1307.8	2642.0	3542.0	3371.5	3173.4	3151.8	1829.8
77.5°	277.3	288.5	354.4	446.1	577.1	1516.7	2690.2	2527.8	2003.8	1978.8	983.6
80°	166.7	185.2	232.1	280.3	261.4	580.1	1536.1	1255.7	708.0	700.2	302.3
82.5°	89.6	106.4	163.6	173.5	146.8	205.0	556.4	408.2	226.5	223.9	113.3
85°	71.1	79.2	117.6	109.8	83.1	103.8	217.0	170.1	116.3	113.7	42.6
87.5°	43.1	54.3	89.1	74.1	41.3	37.5	99.5	80.5	54.7	50.8	16.8
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°	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3
2.5°	994.8	996.9	999.1	994.8	996.5	994.3	994.3	994.3	988.7	987.0	992.2
5°	1004.2	1007.3	1009.0	995.6	987.5	975.4	965.5	950.4	941.8	936.2	936.2
7.5°	1023.6	1027.1	1019.3	989.6	960.8	928.5	895.3	867.7	847.9	839.3	841.9
10°	1052.0	1053.3	1027.5	972.8	911.2	851.4	804.4	767.8	743.3	730.8	729.1
12.5°	1085.2	1079.6	1029.2	935.8	844.5	764.0	706.7	659.3	627.9	615.8	609.8
15°	1117.9	1104.6	1022.8	891.4	768.7	671.8	598.6	553.8	534.4	528.8	526.7
17.5°	1147.2	1122.2	1001.2	827.7	680.8	564.1	510.3	494.4	496.5	501.7	503.8
20°	1173.9	1135.6	970.2	751.9	571.0	480.2	466.8	481.5	493.5	501.3	502.6
22.5°	1203.2	1148.5	927.2	659.7	481.0	441.4	457.3	474.1	486.2	493.9	495.2
25°	1225.6	1148.1	866.4	550.4	424.2	431.1	450.0	465.1	474.1	479.7	479.3
27.5°	1239.8	1137.7	786.8	460.4	401.8	423.7	441.8	451.7	456.9	461.2	460.8
30°	1244.1	1117.9	686.4	394.0	391.4	416.9	430.6	436.7	440.5	444.8	444.8
32.5°	1252.7	1087.4	575.8	357.0	383.7	410.0	418.1	422.9	419.9	409.1	407.0
35°	1262.2	1053.3	471.1	339.8	376.4	405.2	413.0	400.5	367.8	363.5	361.7
37.5°	1280.7	1021.9	382.4	327.7	374.7	407.8	414.3	364.3	336.8	323.4	321.3
40°	1312.2	990.5	323.0	319.1	376.8	419.0	397.0	347.1	301.4	276.0	271.7
42.5°	1353.5	952.1	289.4	314.8	382.8	437.1	391.0	322.5	272.6	255.4	252.8
45°	1401.3	901.3	273.5	313.9	390.2	446.1	392.7	302.7	259.7	246.3	245.5
47.5°	1450.8	851.4	266.6	313.1	399.2	442.3	369.1	296.7	254.5	250.6	253.2
50°	1504.2	794.5	261.0	310.9	406.5	442.3	356.1	295.4	256.2	264.8	273.5
52.5°	1554.2	746.7	254.5	304.5	409.5	434.5	352.3	300.2	258.8	256.7	259.2
55°	1614.9	722.2	251.1	295.4	403.9	410.8	347.5	313.1	261.0	243.3	243.3
57.5°	1684.2	717.0	245.9	283.4	385.9	378.1	347.1	320.8	255.4	239.0	236.0
60°	1767.8	728.2	239.4	268.3	363.9	352.7	344.1	320.8	246.3	231.7	233.0
62.5°	1835.4	726.9	235.6	254.9	334.6	326.4	338.5	316.5	242.9	230.8	230.4
65°	1851.3	699.4	224.4	237.7	298.4	294.6	332.5	305.8	238.1	226.1	222.6
67.5°	1797.5	636.9	207.6	214.9	260.1	260.5	321.7	291.5	231.7	223.5	217.9
70°	1644.6	515.0	182.6	187.3	218.8	224.4	305.8	274.7	220.9	212.3	199.0
72.5°	1376.3	370.3	153.7	155.0	174.0	188.6	278.2	251.9	205.0	184.7	170.5
75°	1018.9	245.9	125.3	123.6	130.5	153.3	237.7	226.5	184.3	153.3	146.0
77.5°	538.7	145.6	96.5	96.9	92.6	117.6	188.6	196.8	163.6	129.2	121.9
80°	184.3	87.4	69.3	72.3	65.5	84.0	140.0	163.6	140.0	107.7	95.2
82.5°	84.4	53.4	49.5	51.7	46.9	56.8	96.0	124.0	111.5	78.4	63.3
85°	42.6	31.9	31.9	34.9	31.0	29.3	53.0	82.3	81.8	53.8	46.5
87.5°	17.7	15.5	14.6	16.8	14.6	11.2	15.1	29.7	43.1	32.3	20.7
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)