

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: P672258

Luminaire Tested: **CCP-SA-1E-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672258
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

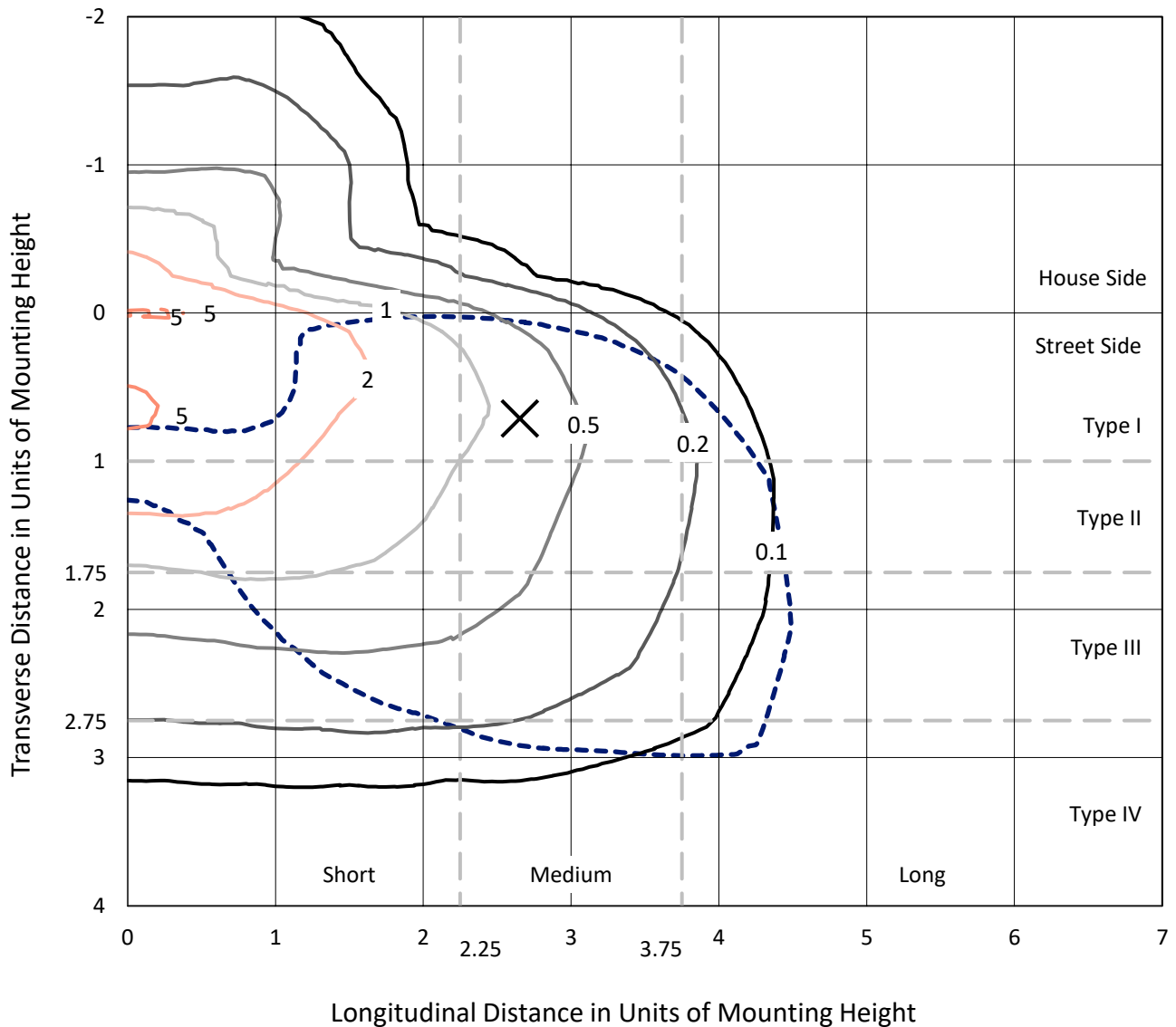
Lumens per Lamp: N/A
Luminaire Lumens: 6948.9 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (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

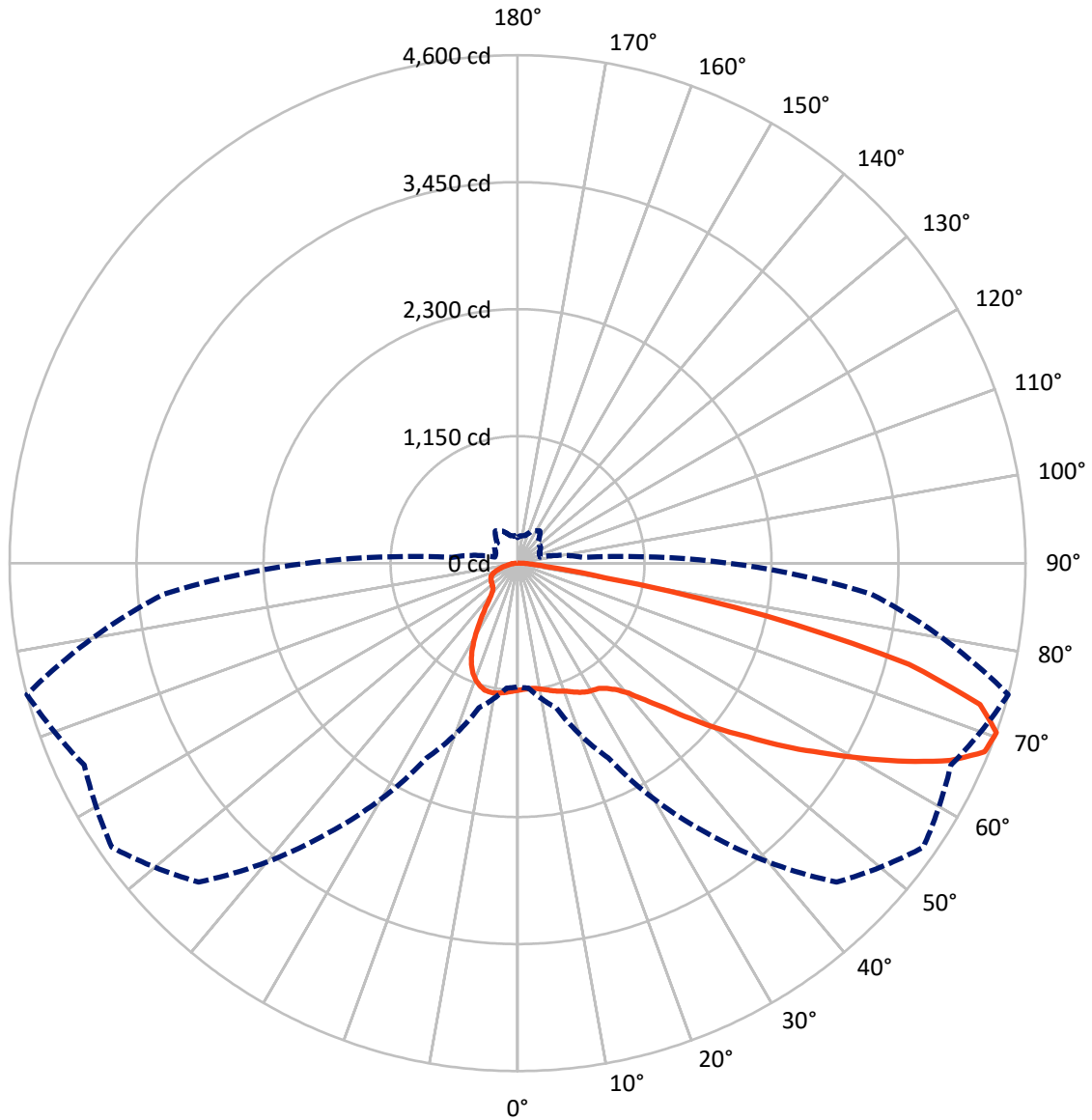
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 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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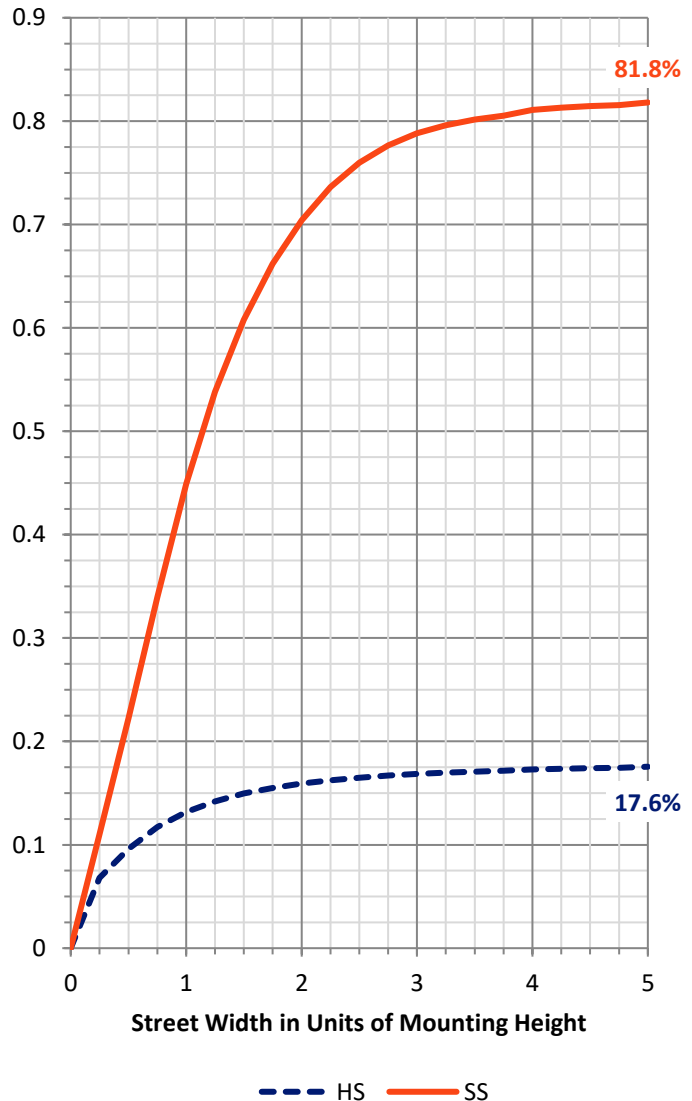
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.3	0.0	1236.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5712.7	0.0	5712.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	6948.9	0.0	6948.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.5
10°-20°	276.0	4.0
20°-30°	464.9	6.7
30°-40°	706.2	10.2
40°-50°	1011.7	14.6
50°-60°	1341.3	19.3
60°-70°	1678.5	24.2
70°-80°	1225.7	17.6
80°-90°	141.3	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°	6948.9	100.0
0°-180°	6948.9	100.0



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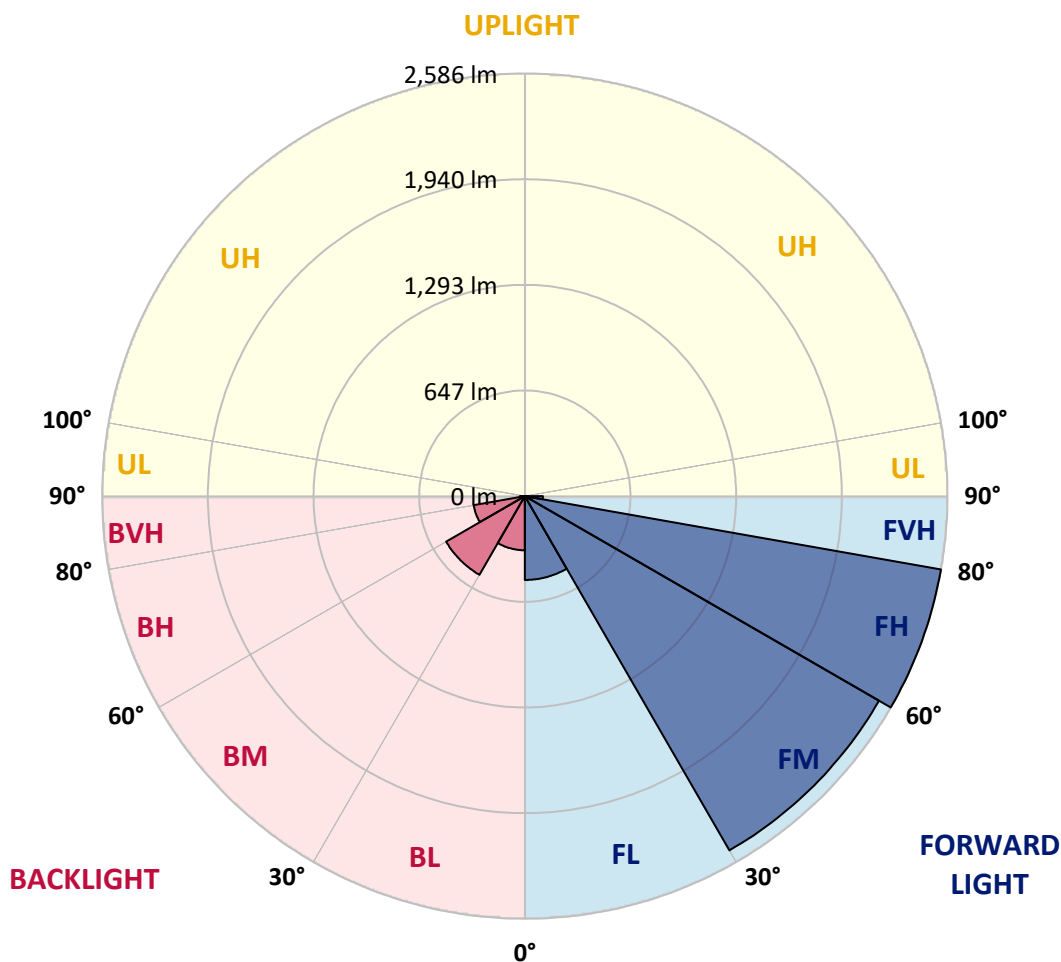
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.9	7.4			
FM (30°-60°)	2503.3	36.0			
FH (60°-80°)	2586.2	37.2			G2/5000
FVH (80°-90°)	110.3	1.6			G2/225
BL (0°-30°)	331.4	4.8	B1/500		
BM (30°-60°)	555.8	8.0	B1/1000		
BH (60°-80°)	318.0	4.6	B1/500		G1/500
BVH (80°-90°)	31.0	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°	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1
2.5°	1088.1	1094.1	1099.6	1105.1	1109.6	1121.6	1124.1	1137.1	1140.6	1143.6	1147.6
5°	1027.1	1031.6	1037.1	1046.1	1055.6	1077.1	1092.1	1120.6	1136.6	1141.6	1155.6
7.5°	994.1	995.6	1003.1	1010.6	1021.6	1042.6	1063.1	1107.6	1139.6	1145.1	1175.1
10°	970.1	972.1	979.1	989.6	1000.6	1020.1	1045.6	1098.6	1150.6	1159.1	1201.6
12.5°	961.6	960.6	968.6	975.6	991.1	1015.6	1042.1	1099.1	1165.6	1177.6	1240.1
15°	995.6	989.1	994.1	991.6	996.6	1020.6	1052.1	1110.1	1184.1	1199.1	1280.1
17.5°	1070.6	1065.1	1061.6	1040.1	1026.1	1039.6	1069.6	1125.6	1203.6	1219.6	1316.1
20°	1182.6	1167.1	1154.1	1118.1	1079.1	1074.6	1095.6	1141.1	1222.1	1237.6	1354.1
22.5°	1310.1	1297.6	1276.6	1213.6	1153.1	1123.1	1128.6	1169.6	1249.1	1266.1	1397.6
25°	1471.1	1470.6	1427.6	1342.6	1251.1	1190.6	1179.1	1215.1	1279.6	1296.1	1433.6
27.5°	1654.6	1642.1	1591.1	1481.6	1366.6	1274.1	1247.1	1261.6	1304.1	1321.1	1462.6
30°	1811.6	1813.1	1761.1	1641.6	1489.6	1355.6	1304.6	1295.1	1320.1	1337.1	1489.6
32.5°	1979.6	1971.1	1923.6	1800.6	1622.6	1443.1	1341.6	1319.1	1336.6	1352.6	1527.1
35°	2137.6	2128.1	2087.1	1954.6	1769.1	1539.6	1391.6	1356.6	1375.6	1393.1	1573.1
37.5°	2288.1	2289.6	2243.1	2116.6	1911.1	1653.6	1465.6	1413.1	1433.6	1453.1	1643.1
40°	2419.6	2412.1	2376.1	2262.1	2058.6	1769.6	1549.1	1490.1	1530.1	1548.1	1731.6
42.5°	2461.6	2461.1	2475.1	2405.1	2213.6	1907.6	1653.1	1610.1	1666.6	1693.6	1840.1
45°	2425.1	2436.1	2517.1	2515.1	2368.6	2066.1	1795.1	1756.1	1837.6	1868.1	1972.6
47.5°	2389.1	2405.6	2515.6	2578.1	2507.6	2240.6	1969.6	1940.6	2057.6	2101.6	2110.1
50°	2336.6	2352.1	2483.1	2587.1	2592.6	2417.1	2195.6	2159.1	2309.6	2354.6	2259.6
52.5°	2278.1	2290.1	2425.6	2580.6	2633.2	2555.1	2417.1	2406.6	2579.6	2616.1	2411.6
55°	1955.1	2006.1	2341.1	2566.6	2661.2	2660.7	2632.7	2667.2	2874.2	2928.7	2581.1
57.5°	1769.6	1796.6	2103.1	2558.6	2713.7	2758.2	2855.2	2929.2	3188.7	3237.7	2768.2
60°	1709.1	1733.1	1983.6	2549.1	2818.2	2910.7	3072.7	3192.7	3526.7	3586.7	2977.2
62.5°	1654.1	1683.1	1935.1	2473.6	2944.7	3152.2	3332.2	3477.7	3883.2	3954.2	3185.2
65°	1542.1	1562.6	1846.1	2410.1	3064.7	3496.7	3706.7	3791.7	4228.7	4308.7	3323.2
67.5°	1348.6	1368.1	1645.6	2264.1	3142.7	3855.2	4116.2	4116.7	4495.8	4561.3	3352.2
70°	1121.1	1136.1	1356.6	1946.1	2980.2	4085.2	4485.8	4329.2	4571.3	4599.8	3214.2
72.5°	801.5	814.5	993.6	1438.6	2443.6	3898.7	4569.8	4320.2	4388.3	4379.3	2821.7
75°	494.0	519.0	608.5	878.1	1518.6	3067.7	4112.7	3914.7	3684.7	3659.7	2124.6
77.5°	322.0	335.0	411.5	518.0	670.0	1761.1	3123.7	2935.2	2326.6	2297.6	1142.1
80°	193.5	215.0	269.5	325.5	303.5	673.5	1783.6	1458.1	822.0	813.0	351.0
82.5°	104.0	123.5	190.0	201.5	170.5	238.0	646.0	474.0	263.0	260.0	131.5
85°	82.5	92.0	136.5	127.5	96.5	120.5	252.0	197.5	135.0	132.0	49.5
87.5°	50.0	63.0	103.5	86.0	48.0	43.5	115.5	93.5	63.5	59.0	19.5
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°	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1	1151.1
2.5°	1155.1	1157.6	1160.1	1155.1	1157.1	1154.6	1154.6	1154.6	1148.1	1146.1	1152.1
5°	1166.1	1169.6	1171.6	1156.1	1146.6	1132.6	1121.1	1103.6	1093.6	1087.1	1087.1
7.5°	1188.6	1192.6	1183.6	1149.1	1115.6	1078.1	1039.6	1007.6	984.6	974.6	977.6
10°	1221.6	1223.1	1193.1	1129.6	1058.1	988.6	934.1	891.6	863.0	848.5	846.5
12.5°	1260.1	1253.6	1195.1	1086.6	980.6	887.1	820.5	765.5	729.0	715.0	708.0
15°	1298.1	1282.6	1187.6	1035.1	892.6	780.0	695.0	643.0	620.5	614.0	611.5
17.5°	1332.1	1303.1	1162.6	961.1	790.5	655.0	592.5	574.0	576.5	582.5	585.0
20°	1363.1	1318.6	1126.6	873.1	663.0	557.5	542.0	559.0	573.0	582.0	583.5
22.5°	1397.1	1333.6	1076.6	766.0	558.5	512.5	531.0	550.5	564.5	573.5	575.0
25°	1423.1	1333.1	1006.1	639.0	492.5	500.5	522.5	540.0	550.5	557.0	556.5
27.5°	1439.6	1321.1	913.6	534.5	466.5	492.0	513.0	524.5	530.5	535.5	535.0
30°	1444.6	1298.1	797.0	457.5	454.5	484.0	500.0	507.0	511.5	516.5	516.5
32.5°	1454.6	1262.6	668.5	414.5	445.5	476.0	485.5	491.0	487.5	475.0	472.5
35°	1465.6	1223.1	547.0	394.5	437.0	470.5	479.5	465.0	427.0	422.0	420.0
37.5°	1487.1	1186.6	444.0	380.5	435.0	473.5	481.0	423.0	391.0	375.5	373.0
40°	1523.6	1150.1	375.0	370.5	437.5	486.5	461.0	403.0	350.0	320.5	315.5
42.5°	1571.6	1105.6	336.0	365.5	444.5	507.5	454.0	374.5	316.5	296.5	293.5
45°	1627.1	1046.6	317.5	364.5	453.0	518.0	456.0	351.5	301.5	286.0	285.0
47.5°	1684.6	988.6	309.5	363.5	463.5	513.5	428.5	344.5	295.5	291.0	294.0
50°	1746.6	922.6	303.0	361.0	472.0	513.5	413.5	343.0	297.5	307.5	317.5
52.5°	1804.6	867.0	295.5	353.5	475.5	504.5	409.0	348.5	300.5	298.0	301.0
55°	1875.1	838.5	291.5	343.0	469.0	477.0	403.5	363.5	303.0	282.5	282.5
57.5°	1955.6	832.5	285.5	329.0	448.0	439.0	403.0	372.5	296.5	277.5	274.0
60°	2052.6	845.5	278.0	311.5	422.5	409.5	399.5	372.5	286.0	269.0	270.5
62.5°	2131.1	844.0	273.5	296.0	388.5	379.0	393.0	367.5	282.0	268.0	267.5
65°	2149.6	812.0	260.5	276.0	346.5	342.0	386.0	355.0	276.5	262.5	258.5
67.5°	2087.1	739.5	241.0	249.5	302.0	302.5	373.5	338.5	269.0	259.5	253.0
70°	1909.6	598.0	212.0	217.5	254.0	260.5	355.0	319.0	256.5	246.5	231.0
72.5°	1598.1	430.0	178.5	180.0	202.0	219.0	323.0	292.5	238.0	214.5	198.0
75°	1183.1	285.5	145.5	143.5	151.5	178.0	276.0	263.0	214.0	178.0	169.5
77.5°	625.5	169.0	112.0	112.5	107.5	136.5	219.0	228.5	190.0	150.0	141.5
80°	214.0	101.5	80.5	84.0	76.0	97.5	162.5	190.0	162.5	125.0	110.5
82.5°	98.0	62.0	57.5	60.0	54.5	66.0	111.5	144.0	129.5	91.0	73.5
85°	49.5	37.0	37.0	40.5	36.0	34.0	61.5	95.5	95.0	62.5	54.0
87.5°	20.5	18.0	17.0	19.5	17.0	13.0	17.5	34.5	50.0	37.5	24.0
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)