

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: P674990

Luminaire Tested: **CCW-SA-1B-750-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674990
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-750-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

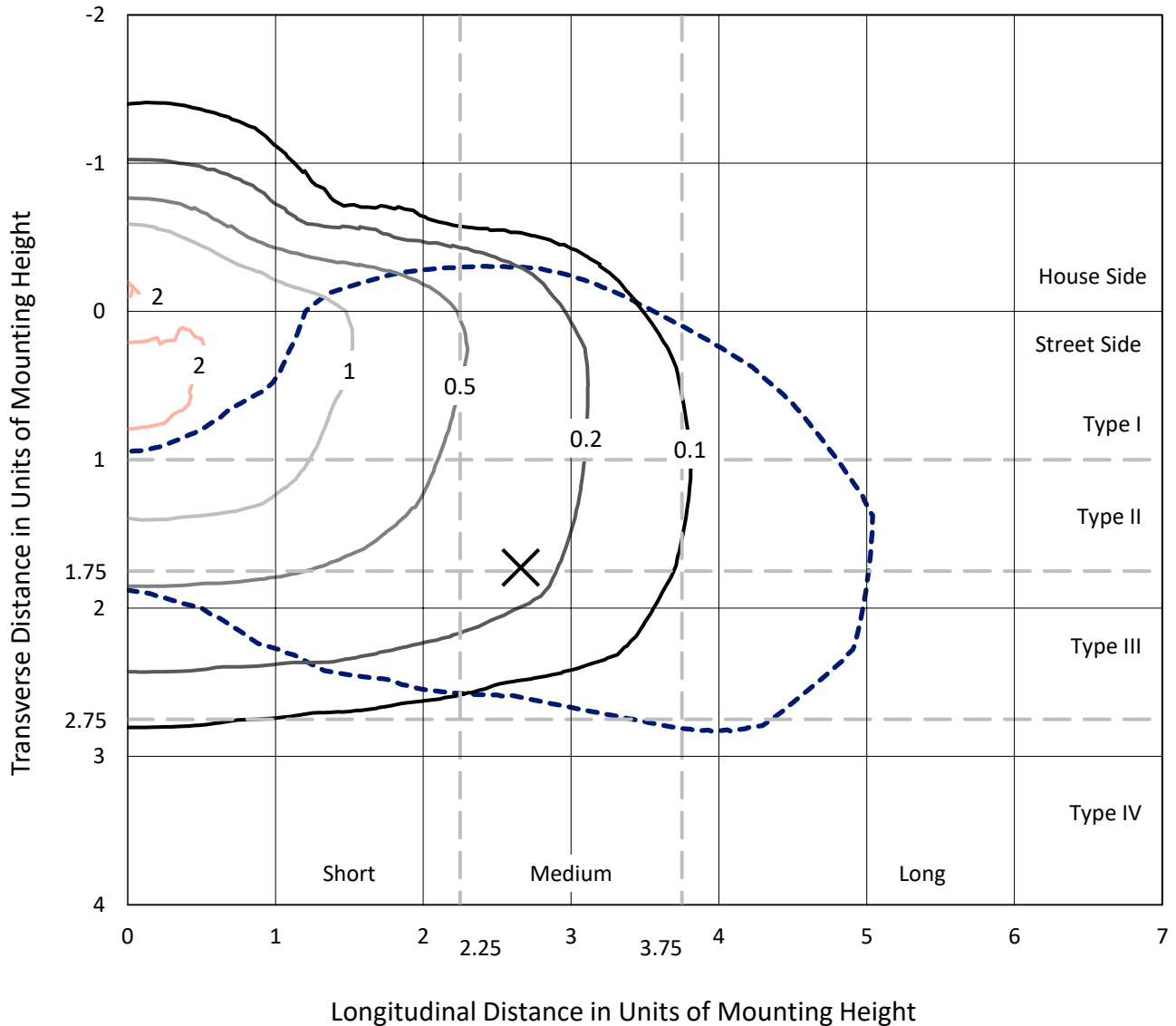
Lumens per Lamp: N/A
Luminaire Lumens: 3569.3 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

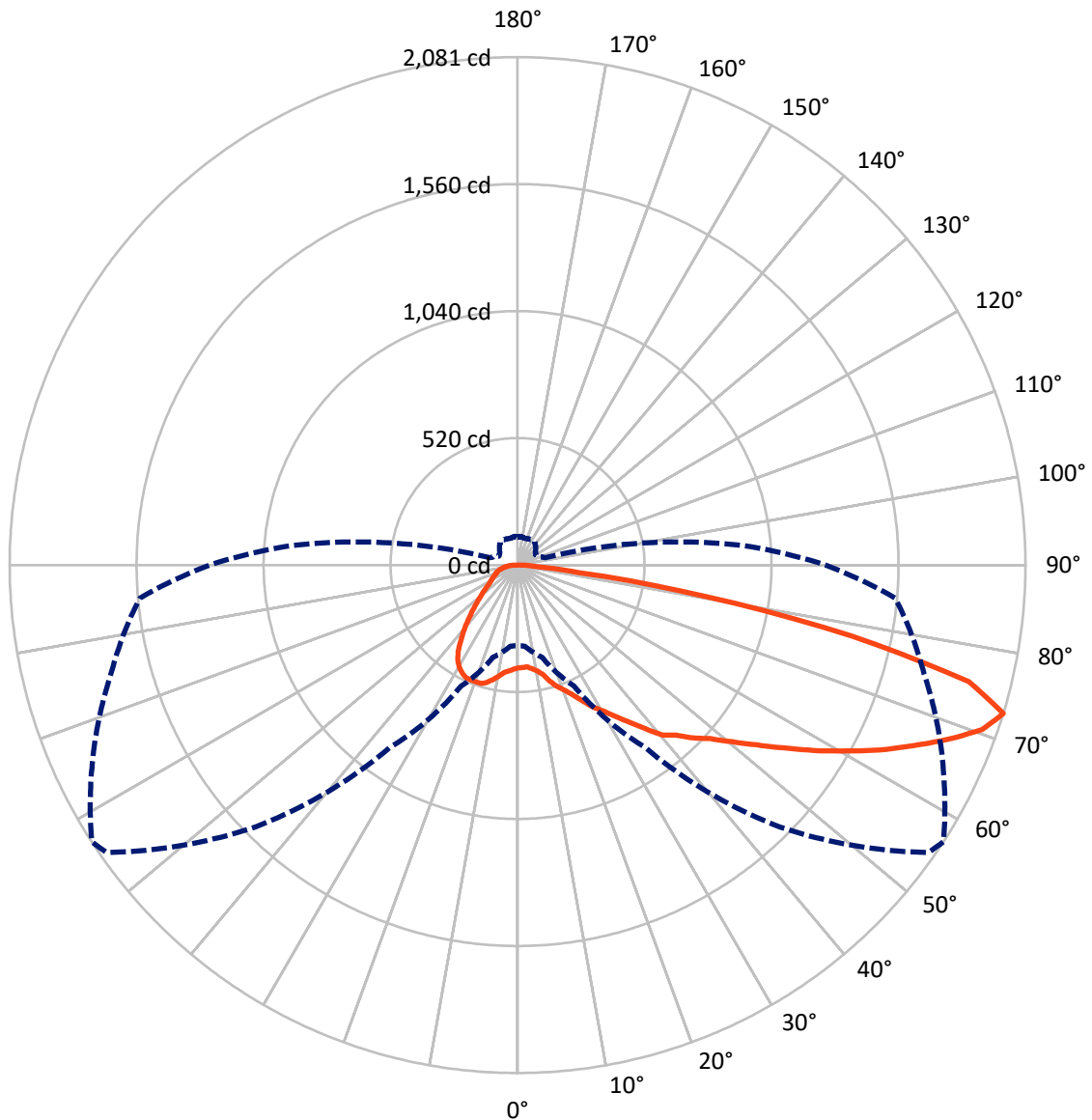
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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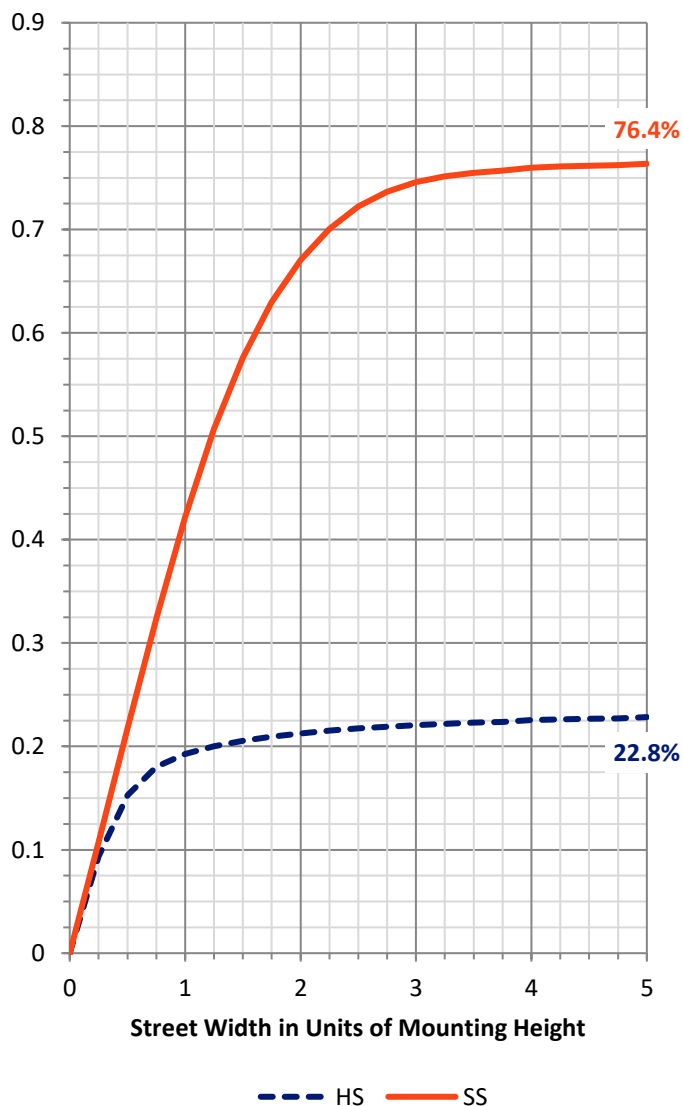
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.5	0.0	833.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2735.8	0.0	2735.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	3569.3	0.0	3569.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.2
10°-20°	140.9	3.9
20°-30°	257.6	7.2
30°-40°	378.0	10.6
40°-50°	520.4	14.6
50°-60°	713.7	20.0
60°-70°	860.3	24.1
70°-80°	573.1	16.1
80°-90°	83.5	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°	3569.3	100.0
0°-180°	3569.3	100.0

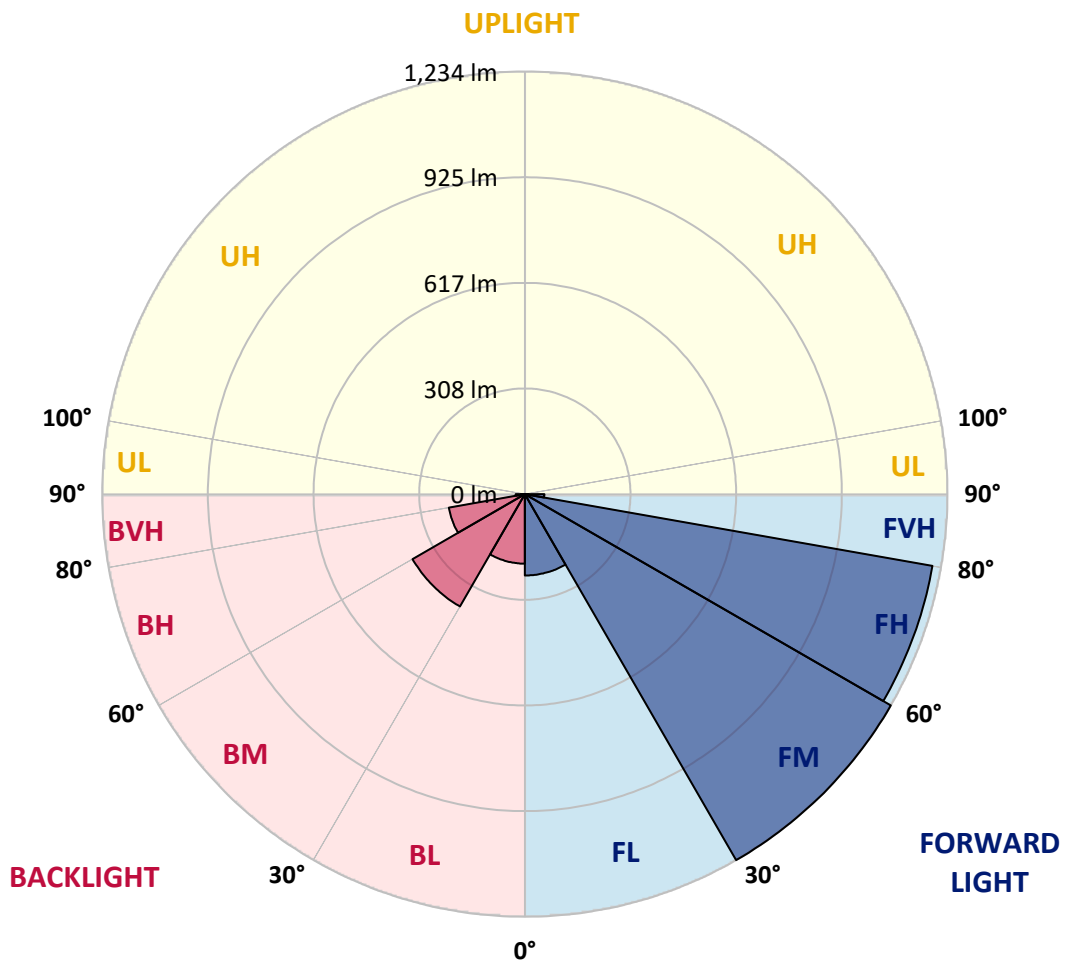


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.5	6.7			
FM (30°-60°)	1233.5	34.6			
FH (60°-80°)	1208.0	33.8			G1/1800
FVH (80°-90°)	56.8	1.6			G1/100
BL (0°-30°)	202.9	5.7	B1/500		
BM (30°-60°)	378.6	10.6	B1/1000		
BH (60°-80°)	225.4	6.3	B1/500		G1/500
BVH (80°-90°)	26.6	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°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3
2.5°	413.5	414.8	417.4	416.1	416.1	412.2	418.7	420.0	417.4	418.7	421.3
5°	413.5	416.1	420.0	417.4	418.7	417.4	414.8	418.7	418.7	420.0	423.9
7.5°	435.6	434.3	434.3	430.4	429.1	427.8	429.1	429.1	426.5	427.8	427.8
10°	460.3	460.3	457.7	457.7	455.1	448.6	442.1	440.8	436.9	438.2	438.2
12.5°	486.3	488.9	491.5	483.7	481.1	470.7	466.8	459.0	459.0	456.4	455.1
15°	518.8	514.9	517.5	514.9	508.4	498.0	491.5	492.8	483.7	481.1	477.2
17.5°	547.4	548.7	544.8	542.2	530.5	522.7	524.0	522.7	511.0	507.1	500.6
20°	581.2	579.9	579.9	572.1	561.7	551.3	547.4	546.1	548.7	540.9	525.3
22.5°	616.3	611.1	611.1	604.6	590.3	583.8	581.2	576.0	578.6	572.1	548.7
25°	645.0	645.0	654.1	641.1	633.3	620.2	615.0	616.3	617.6	604.6	577.3
27.5°	682.7	676.2	685.3	678.8	674.9	660.6	654.1	658.0	655.4	641.1	603.3
30°	730.8	732.1	726.9	717.8	712.6	702.2	698.3	694.4	698.3	680.1	632.0
32.5°	790.6	794.5	781.5	771.1	762.0	751.6	743.8	739.9	743.8	716.5	654.1
35°	859.5	863.4	853.0	841.3	830.9	804.9	798.4	791.9	777.6	733.4	674.9
37.5°	923.2	918.0	915.4	915.4	895.9	858.2	854.3	850.4	823.1	767.2	703.5
40°	966.1	972.6	970.0	967.4	964.8	929.7	921.9	915.4	869.9	817.9	743.8
42.5°	1014.2	1010.3	1020.7	1024.6	1015.5	1005.1	973.9	951.8	911.5	869.9	803.6
45°	1071.5	1068.9	1072.8	1087.1	1074.1	1078.0	1025.9	1010.3	959.6	934.9	879.0
47.5°	1122.2	1128.7	1148.2	1152.1	1141.7	1159.9	1087.1	1062.4	1029.8	1010.3	957.0
50°	1144.3	1152.1	1196.3	1223.6	1224.9	1253.5	1148.2	1137.8	1093.6	1101.4	1054.6
52.5°	1126.1	1150.8	1204.1	1275.6	1319.8	1348.4	1228.8	1223.6	1183.3	1208.0	1161.2
55°	1143.0	1166.4	1201.5	1301.6	1413.4	1419.9	1340.6	1321.1	1280.8	1314.6	1271.7
57.5°	1150.8	1137.8	1204.1	1330.2	1482.4	1499.3	1447.2	1432.9	1401.7	1434.2	1409.5
60°	1089.7	1105.3	1167.7	1322.4	1486.3	1583.8	1566.9	1546.1	1517.5	1547.4	1533.1
62.5°	1020.7	1031.1	1098.8	1275.6	1508.4	1644.9	1682.6	1667.0	1626.7	1652.7	1677.4
65°	933.6	934.9	1010.3	1192.4	1465.4	1680.0	1784.0	1782.7	1754.1	1747.6	1786.6
67.5°	827.0	837.4	897.2	1104.0	1406.9	1719.0	1884.1	1903.7	1846.4	1795.7	1810.0
70°	634.6	645.0	702.2	905.0	1287.3	1707.3	2007.7	2018.1	1906.3	1777.5	1741.1
72.5°	330.3	332.9	391.4	546.1	912.8	1516.2	2053.2	2080.5	1921.9	1724.2	1552.6
75°	109.2	109.2	133.9	208.0	430.4	970.0	1859.4	1908.9	1845.1	1591.6	1270.4
77.5°	65.0	66.3	79.3	104.0	171.6	387.5	1310.7	1397.8	1509.7	1353.6	928.4
80°	46.8	48.1	59.8	71.5	102.7	124.8	658.0	778.9	927.1	871.2	495.4
82.5°	35.1	35.1	46.8	53.3	70.2	74.1	183.3	251.0	400.5	312.1	136.5
85°	36.4	36.4	36.4	37.7	48.1	42.9	76.7	81.9	117.0	102.7	37.7
87.5°	13.0	14.3	36.4	24.7	24.7	18.2	29.9	32.5	41.6	42.9	14.3
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°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3
2.5°	422.6	422.6	423.9	423.9	426.5	429.1	433.0	430.4	430.4	431.7	430.4
5°	421.3	422.6	426.5	433.0	435.6	436.9	444.7	444.7	444.7	447.3	447.3
7.5°	426.5	429.1	435.6	442.1	443.4	447.3	457.7	460.3	466.8	469.4	470.7
10°	439.5	443.4	448.6	456.4	461.6	466.8	474.6	483.7	482.4	490.2	491.5
12.5°	459.0	457.7	466.8	474.6	479.8	487.6	490.2	490.2	490.2	490.2	492.8
15°	474.6	477.2	485.0	490.2	496.7	495.4	490.2	485.0	486.3	485.0	485.0
17.5°	498.0	498.0	504.5	505.8	508.4	495.4	487.6	487.6	491.5	491.5	488.9
20°	521.4	520.1	522.7	521.4	504.5	488.9	487.6	488.9	490.2	488.9	487.6
22.5°	543.5	540.9	537.0	531.8	501.9	487.6	485.0	478.5	472.0	472.0	468.1
25°	563.0	560.4	550.0	534.4	500.6	479.8	466.8	451.2	443.4	439.5	444.7
27.5°	581.2	576.0	561.7	534.4	488.9	459.0	434.3	414.8	408.3	403.1	408.3
30°	605.9	596.8	577.3	530.5	470.7	426.5	392.7	369.3	362.8	355.0	357.6
32.5°	628.0	607.2	590.3	518.8	447.3	390.1	351.1	327.7	316.0	309.5	314.7
35°	651.5	630.6	595.5	500.6	410.9	345.9	306.9	284.8	275.7	266.6	266.6
37.5°	674.9	663.2	603.3	466.8	366.7	304.3	269.2	252.3	236.7	219.8	219.8
40°	724.3	708.7	612.4	427.8	322.5	264.0	239.3	217.2	201.5	178.1	176.8
42.5°	776.3	742.5	612.4	381.0	283.5	235.4	212.0	188.5	159.9	145.6	146.9
45°	842.6	803.6	595.5	339.4	244.5	212.0	185.9	156.0	143.0	133.9	133.9
47.5°	925.8	864.7	574.7	293.9	213.3	191.1	158.6	140.4	131.3	123.5	122.2
50°	1024.6	920.6	548.7	254.9	187.2	171.6	144.3	130.0	122.2	117.0	117.0
52.5°	1128.7	1002.5	530.5	219.8	166.4	145.6	133.9	124.8	118.3	114.4	113.1
55°	1234.0	1084.5	517.5	182.0	146.9	133.9	131.3	123.5	120.9	117.0	114.4
57.5°	1352.3	1152.1	514.9	156.0	131.3	128.7	133.9	127.4	123.5	119.6	115.7
60°	1479.8	1243.1	491.5	135.2	123.5	126.1	130.0	123.5	120.9	117.0	114.4
62.5°	1605.9	1310.7	427.8	119.6	115.7	118.3	123.5	118.3	114.4	115.7	117.0
65°	1657.9	1315.9	331.6	107.9	106.6	107.9	115.7	114.4	110.5	118.3	118.3
67.5°	1605.9	1269.1	234.1	97.5	97.5	104.0	117.0	119.6	115.7	126.1	124.8
70°	1487.6	1153.4	158.6	91.0	93.6	110.5	120.9	118.3	113.1	126.1	123.5
72.5°	1262.6	923.2	115.7	84.5	88.4	105.3	119.6	117.0	113.1	118.3	113.1
75°	947.9	656.7	91.0	76.7	78.0	94.9	123.5	117.0	106.6	104.0	100.1
77.5°	633.3	405.7	70.2	67.6	67.6	83.2	118.3	109.2	96.2	92.3	91.0
80°	301.7	162.5	55.9	57.2	58.5	71.5	107.9	97.5	87.1	81.9	81.9
82.5°	96.2	61.1	46.8	46.8	46.8	58.5	89.7	81.9	75.4	71.5	65.0
85°	33.8	33.8	40.3	41.6	37.7	42.9	74.1	70.2	62.4	52.0	50.7
87.5°	13.0	19.5	27.3	32.5	23.4	29.9	53.3	49.4	45.5	33.8	32.5
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)