

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: P677097

Luminaire Tested: **CCW-SA-1D-722-U-SL4-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677097
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-722-U-SL4-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL4 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

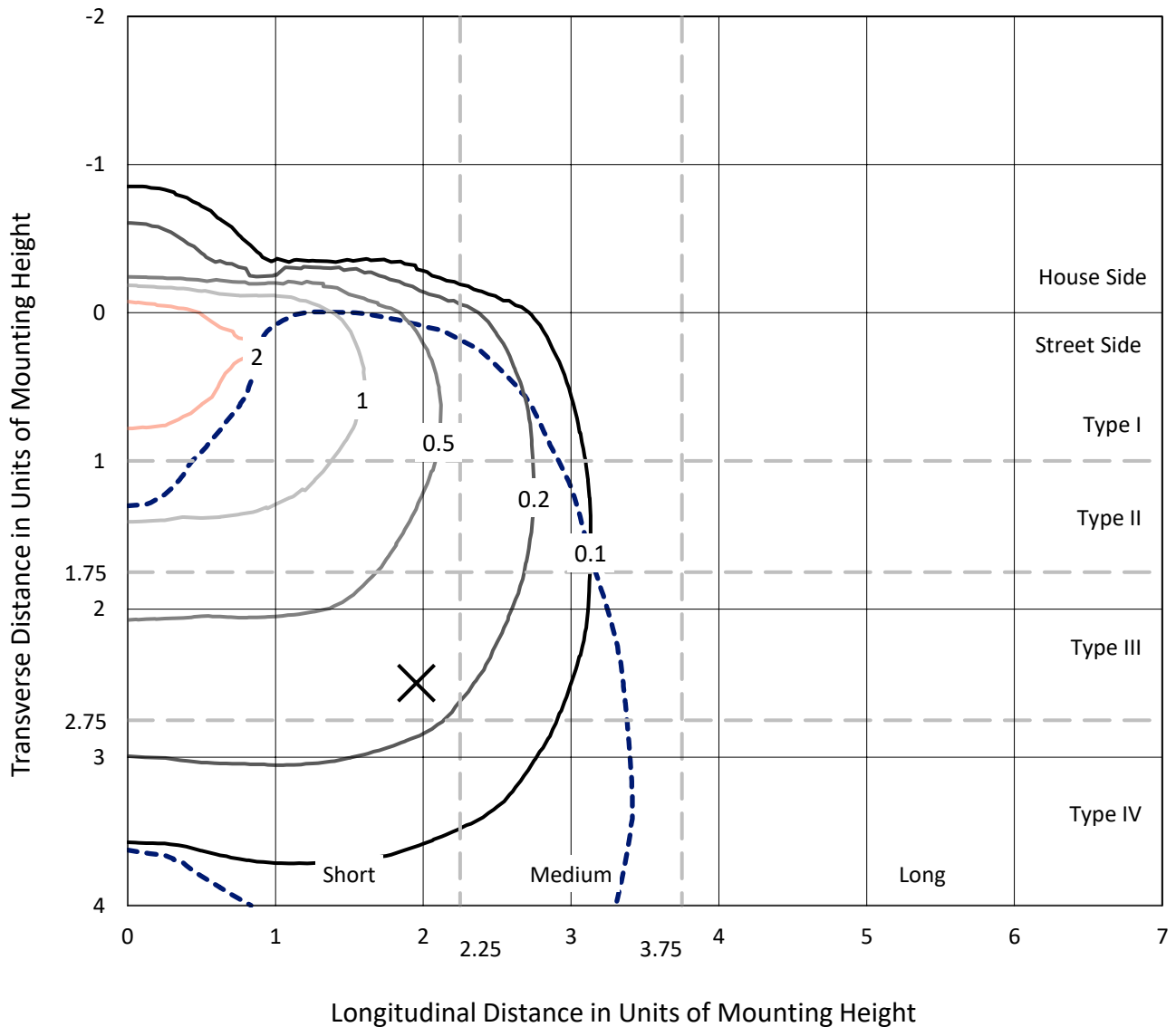
Lumens per Lamp: N/A
Luminaire Lumens: 3393.3 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 44
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

REPORT NUMBER: P677097
 CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

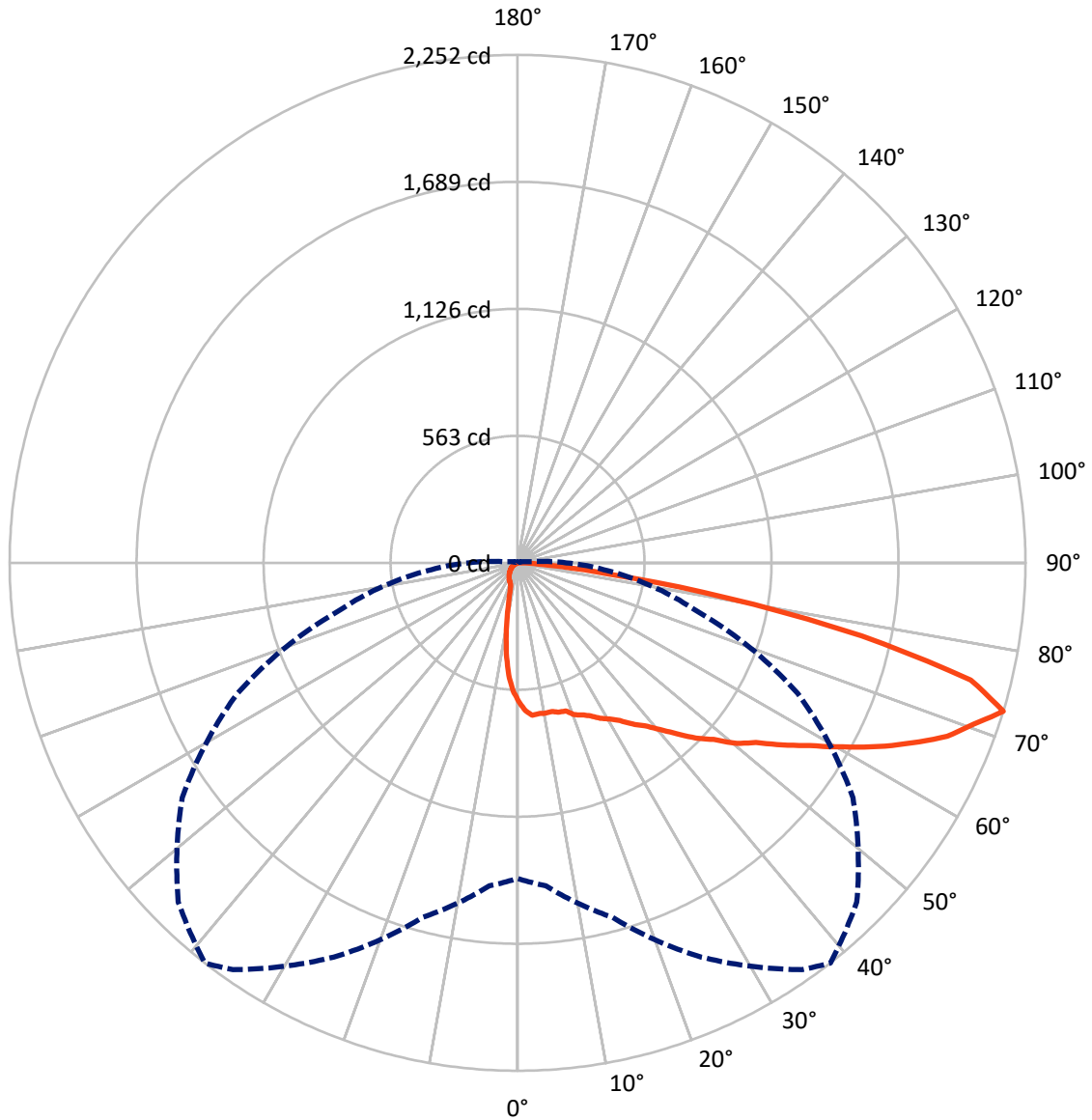
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

REPORT NUMBER: P677097
CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P677097
 CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

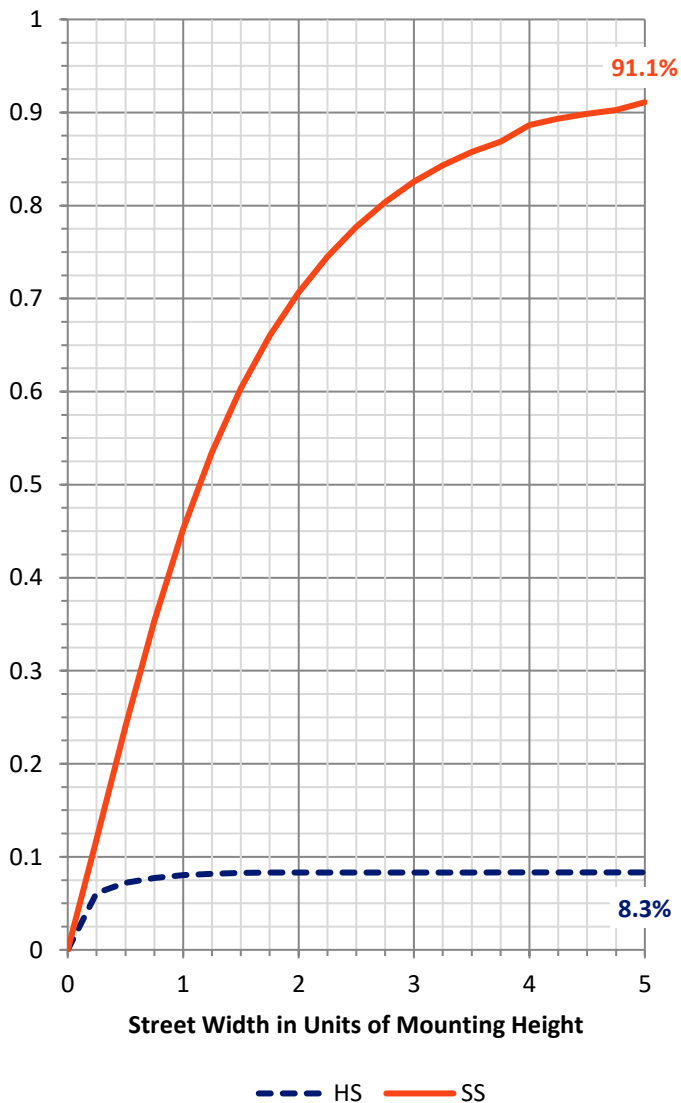
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.2	0.0	284.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3109.1	0.0	3109.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	3393.3	0.0	3393.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.6
10°-20°	131.5	3.9
20°-30°	210.8	6.2
30°-40°	318.3	9.4
40°-50°	484.4	14.3
50°-60°	682.0	20.1
60°-70°	833.1	24.6
70°-80°	604.9	17.8
80°-90°	74.5	2.2
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°	3393.3	100.0
0°-180°	3393.3	100.0

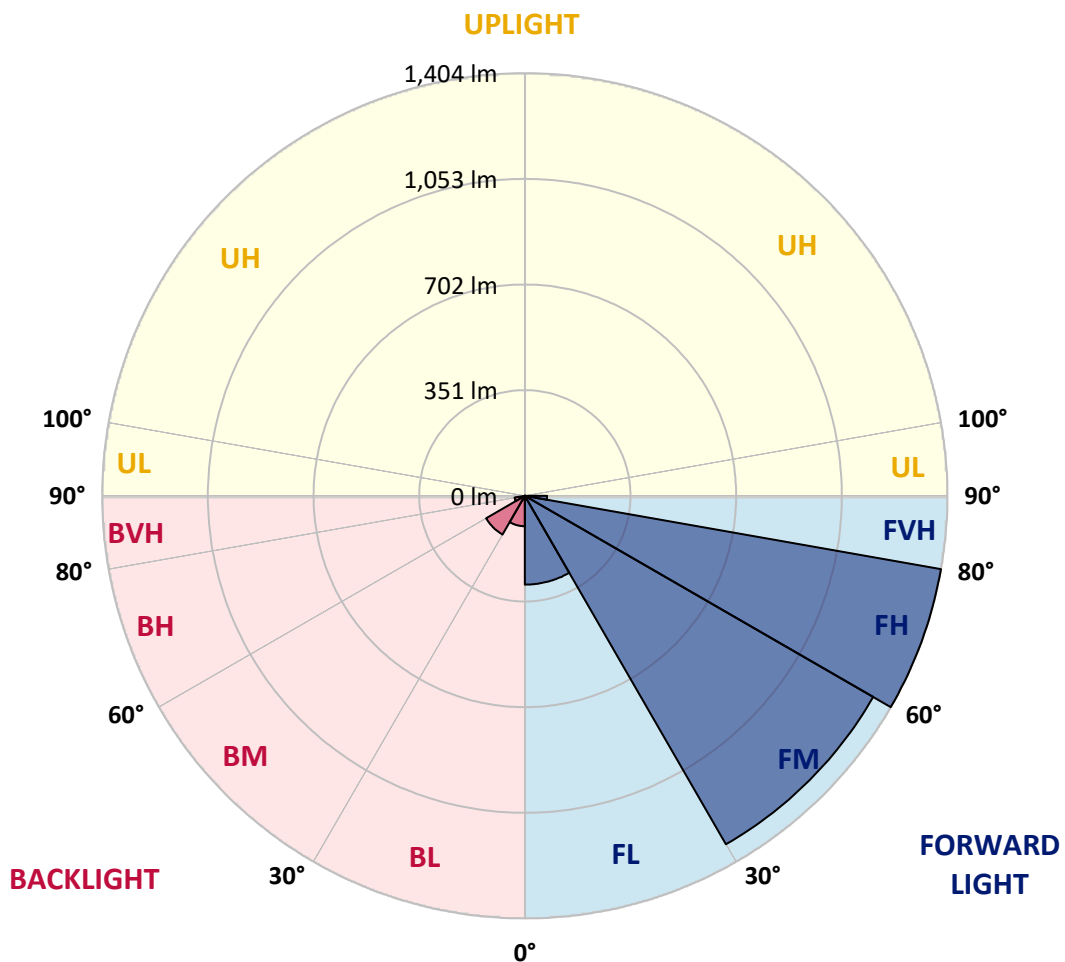


REPORT NUMBER: P677097
 CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.1	8.7			
FM (30°-60°)	1336.3	39.4			
FH (60°-80°)	1403.6	41.4			G1/1800
FVH (80°-90°)	74.1	2.2			G1/100
BL (0°-30°)	100.9	3.0	B0/110		
BM (30°-60°)	148.5	4.4	B0/220		
BH (60°-80°)	34.5	1.0	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





REPORT NUMBER: P677097

CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6
2.5°	674.1	674.1	680.5	674.1	671.7	656.6	657.4	649.5	641.5	630.3	620.0
5°	682.1	687.7	691.6	686.1	677.3	678.9	684.5	669.3	647.9	634.3	611.2
7.5°	678.9	690.8	687.7	684.5	678.9	674.9	667.0	660.6	650.2	637.5	610.5
10°	676.5	680.5	681.3	678.9	667.0	678.1	669.3	659.0	646.3	631.1	597.7
12.5°	667.8	667.8	674.9	669.3	670.9	676.5	672.5	670.1	656.6	643.9	614.4
15°	658.2	661.4	672.5	681.3	689.2	686.9	684.5	677.3	665.4	651.0	620.0
17.5°	660.6	662.2	679.7	695.6	691.6	690.0	702.8	687.7	675.7	659.8	624.8
20°	669.3	674.1	694.0	714.7	718.7	718.7	713.9	705.2	688.4	667.0	633.5
22.5°	678.1	679.7	712.3	738.6	742.6	732.2	736.2	710.7	694.8	682.9	642.3
25°	711.5	708.3	743.4	764.1	761.7	751.3	747.3	725.1	718.7	697.2	661.4
27.5°	756.9	743.4	777.6	790.3	777.6	780.8	769.6	745.8	732.2	719.5	670.1
30°	784.8	792.7	811.0	823.8	802.3	803.1	797.5	771.2	750.5	753.7	699.6
32.5°	827.7	833.3	846.8	852.4	835.7	834.1	828.5	807.8	792.7	789.5	739.4
35°	873.9	884.2	885.0	886.6	871.5	877.9	869.9	840.5	848.4	854.0	787.1
37.5°	919.3	909.7	925.6	932.8	916.1	916.1	918.5	898.6	912.9	929.6	854.8
40°	936.8	940.7	968.6	963.0	982.9	971.0	979.7	975.0	986.9	1025.1	950.3
42.5°	955.1	959.8	997.3	1007.6	1031.5	1035.5	1048.2	1049.0	1084.0	1146.9	1041.8
45°	990.1	982.1	1033.1	1058.5	1097.5	1108.7	1123.8	1136.5	1191.5	1265.5	1146.1
47.5°	1021.9	1010.8	1068.9	1119.8	1167.6	1170.0	1211.4	1224.9	1290.1	1374.5	1249.6
50°	1066.5	1070.5	1095.2	1182.7	1231.2	1259.1	1287.8	1332.3	1404.8	1494.7	1324.4
52.5°	1112.7	1108.7	1150.1	1236.0	1312.4	1322.8	1387.2	1437.4	1516.2	1583.8	1357.8
55°	1169.2	1173.9	1189.9	1302.9	1400.0	1424.7	1497.1	1549.6	1635.6	1622.0	1368.9
57.5°	1225.7	1220.9	1256.7	1377.7	1509.8	1528.1	1624.4	1655.5	1713.6	1647.5	1341.1
60°	1281.4	1290.1	1305.3	1462.1	1630.0	1657.1	1733.5	1749.4	1762.1	1659.4	1319.6
62.5°	1345.1	1324.4	1371.3	1551.2	1738.2	1794.7	1855.2	1792.4	1781.2	1638.0	1270.2
65°	1376.9	1383.3	1444.5	1653.1	1882.3	1923.7	1931.6	1850.5	1793.2	1590.2	1224.1
67.5°	1426.2	1435.0	1513.0	1757.3	2030.3	2053.4	2024.8	1903.0	1782.8	1528.1	1057.7
70°	1432.6	1454.1	1604.5	1866.4	2123.4	2143.3	2121.1	1938.0	1699.2	1283.8	783.2
72.5°	1399.2	1437.4	1626.8	1928.5	2201.4	2251.6	2126.6	1814.6	1369.7	819.0	401.1
75°	1056.9	1088.8	1489.1	1836.1	2063.0	2074.9	1867.2	1384.9	780.0	279.4	102.7
77.5°	547.6	602.5	994.1	1403.2	1571.9	1559.2	1299.7	815.8	268.2	73.2	41.4
80°	314.4	327.9	434.6	787.9	988.5	940.0	718.7	351.8	117.8	36.6	27.1
82.5°	155.2	174.3	234.0	352.6	494.3	406.7	269.8	210.9	66.1	19.9	23.9
85°	33.4	35.0	119.4	168.7	200.6	132.1	92.3	177.5	23.9	11.9	23.1
87.5°	23.9	23.1	33.4	75.6	55.7	34.2	54.9	93.1	5.6	5.6	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P677097
 CATALOG NUMBER: CCW-SA-1D-722-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6	613.6
2.5°	613.6	606.5	598.5	583.4	579.4	577.0	563.5	562.7	560.3	554.7	552.4
5°	596.9	585.0	569.9	553.9	541.2	518.1	490.3	475.9	458.4	459.2	453.7
7.5°	594.5	572.2	550.8	517.3	476.7	433.8	390.8	362.9	343.0	331.1	333.5
10°	583.4	566.7	531.7	469.6	404.3	339.1	284.1	242.7	218.9	200.6	206.1
12.5°	588.2	555.5	506.2	423.4	330.3	249.9	181.5	141.7	124.2	117.8	119.4
15°	585.0	555.5	491.1	373.3	259.5	169.5	117.8	105.1	101.9	101.9	100.3
17.5°	594.5	561.9	465.6	323.9	186.2	113.0	101.1	98.7	96.3	96.3	96.3
20°	608.1	565.1	448.1	269.0	131.3	99.5	94.7	93.1	92.3	92.3	91.5
22.5°	608.9	561.9	415.5	208.5	101.1	93.9	89.9	89.1	89.1	87.5	87.5
25°	613.6	565.1	380.4	156.8	93.9	88.3	85.2	84.4	85.2	84.4	83.6
27.5°	625.6	570.7	345.4	114.6	88.3	83.6	81.2	80.4	80.4	80.4	78.8
30°	640.7	570.7	306.4	94.7	83.6	78.8	76.4	75.6	74.8	74.8	74.8
32.5°	672.5	589.0	258.7	84.4	77.2	73.2	70.8	70.8	70.0	70.0	69.2
35°	712.3	601.7	210.1	78.0	71.6	67.7	65.3	65.3	64.5	64.5	63.7
37.5°	761.7	633.5	160.8	73.2	66.1	62.1	59.7	59.7	59.7	58.9	58.9
40°	831.7	666.2	119.4	66.9	60.5	56.5	54.9	54.1	53.3	53.3	51.7
42.5°	906.5	716.3	89.1	62.1	55.7	52.5	50.1	47.8	47.8	45.4	45.4
45°	987.7	760.1	72.4	56.5	50.9	47.0	44.6	43.0	40.6	39.0	39.0
47.5°	1067.3	787.1	63.7	50.1	46.2	43.0	40.6	37.4	34.2	33.4	32.6
50°	1131.8	795.1	56.5	45.4	42.2	39.0	35.8	31.8	28.7	27.1	26.3
52.5°	1131.8	751.3	50.9	40.6	38.2	35.0	31.0	26.3	22.3	20.7	19.9
55°	1131.8	682.1	45.4	37.4	34.2	31.8	26.3	21.5	17.5	15.1	14.3
57.5°	1115.0	598.5	40.6	33.4	30.2	27.1	22.3	16.7	12.7	10.3	10.3
60°	1068.9	511.0	35.0	29.4	26.3	22.3	17.5	11.9	8.0	5.6	5.6
62.5°	1010.0	406.7	30.2	24.7	21.5	18.3	13.5	8.0	3.2	1.6	1.6
65°	907.3	300.1	26.3	20.7	16.7	13.5	8.8	3.2	0.0	0.0	0.0
67.5°	748.9	200.6	20.7	16.7	14.3	9.6	5.6	0.8	0.0	0.0	0.0
70°	526.9	113.8	15.9	11.9	10.3	6.4	1.6	0.0	0.0	0.0	0.0
72.5°	216.5	50.1	11.1	8.8	7.2	3.2	0.0	0.0	0.0	0.0	0.0
75°	58.9	22.3	7.2	4.8	4.0	0.8	0.0	0.0	0.0	0.0	0.0
77.5°	34.2	15.1	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.1	7.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.1	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)