

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: P676666

Luminaire Tested: **CCW-SA-1E-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676666
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-722-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T4W 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: 3633.5 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

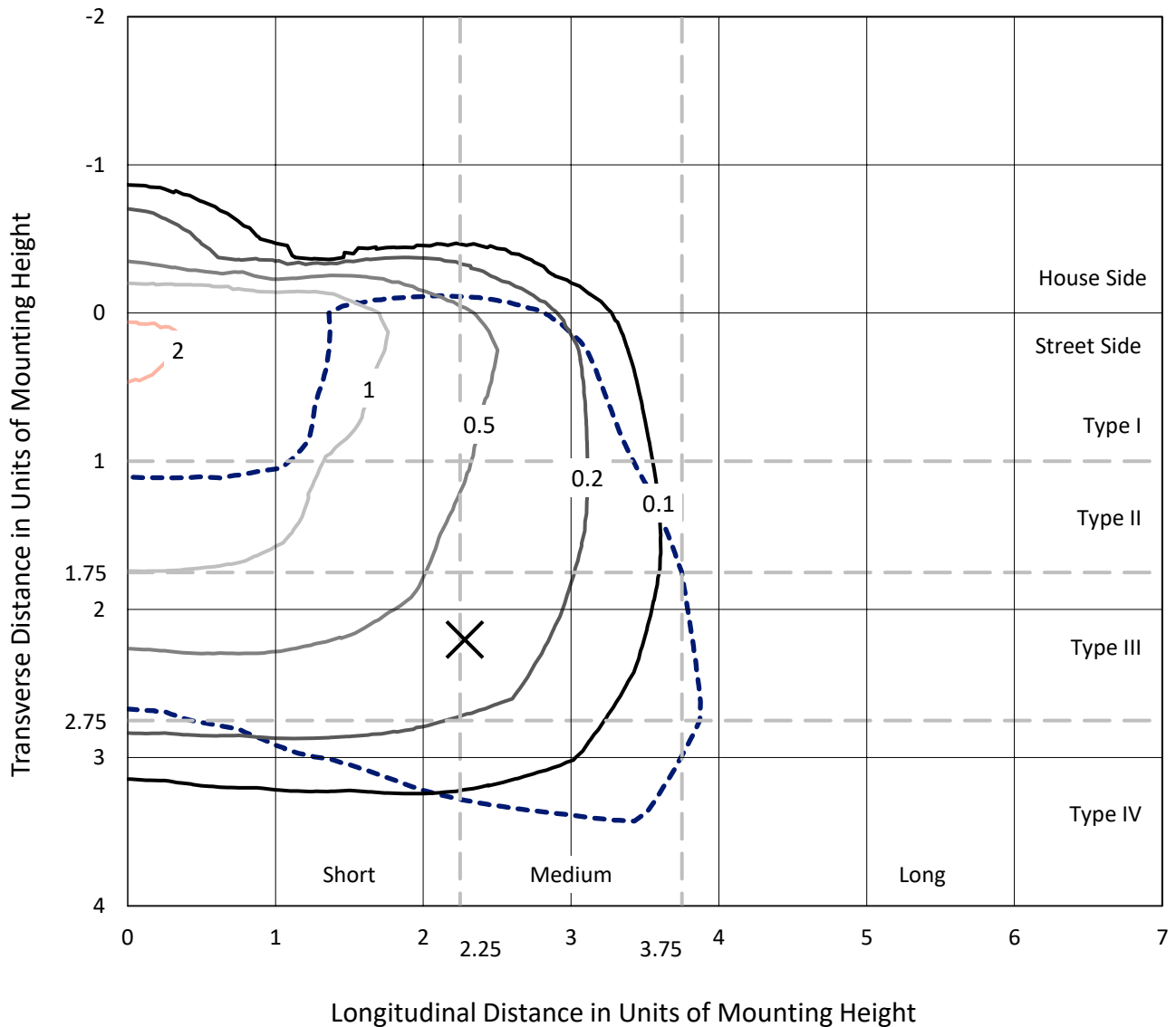
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

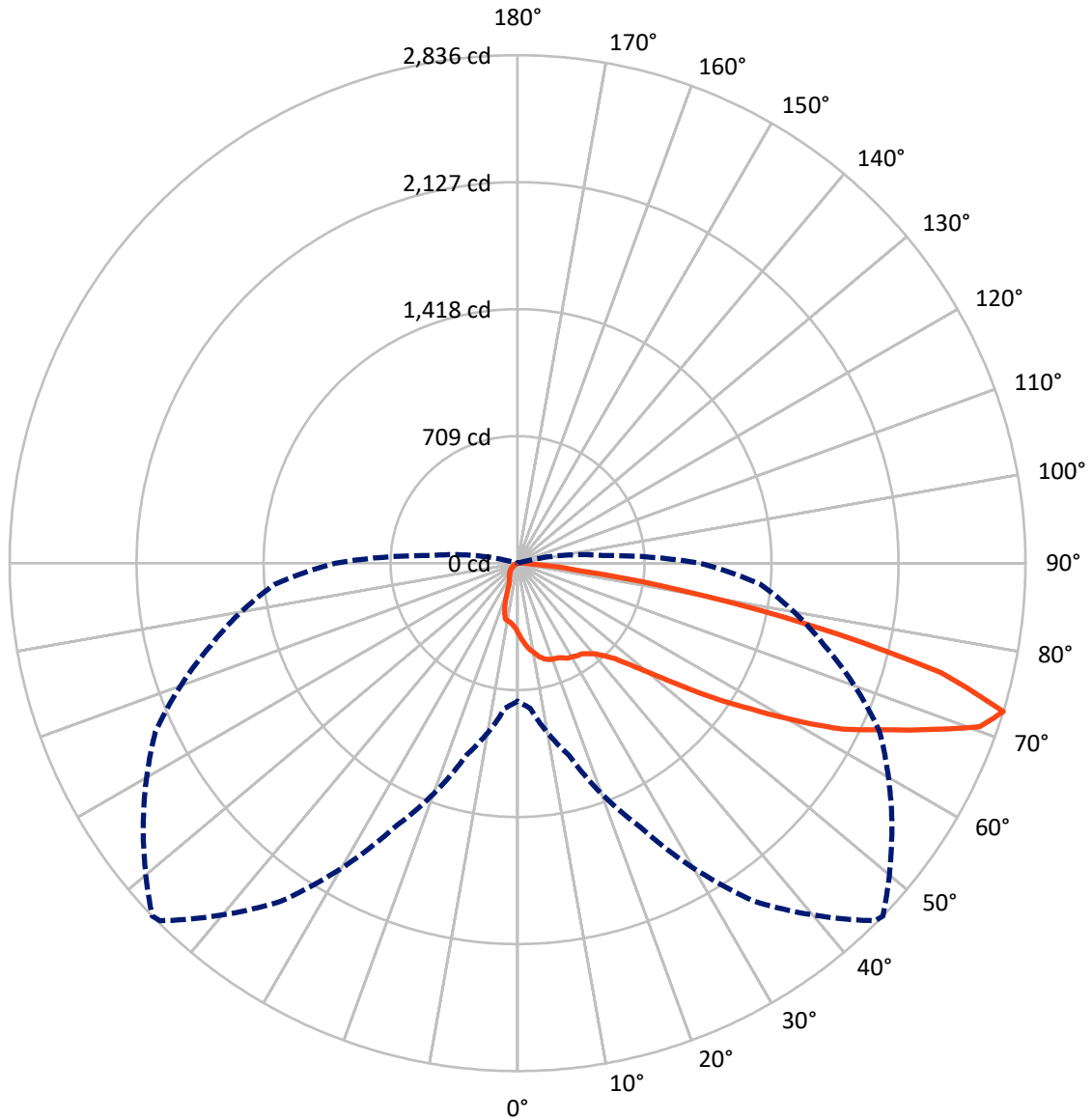
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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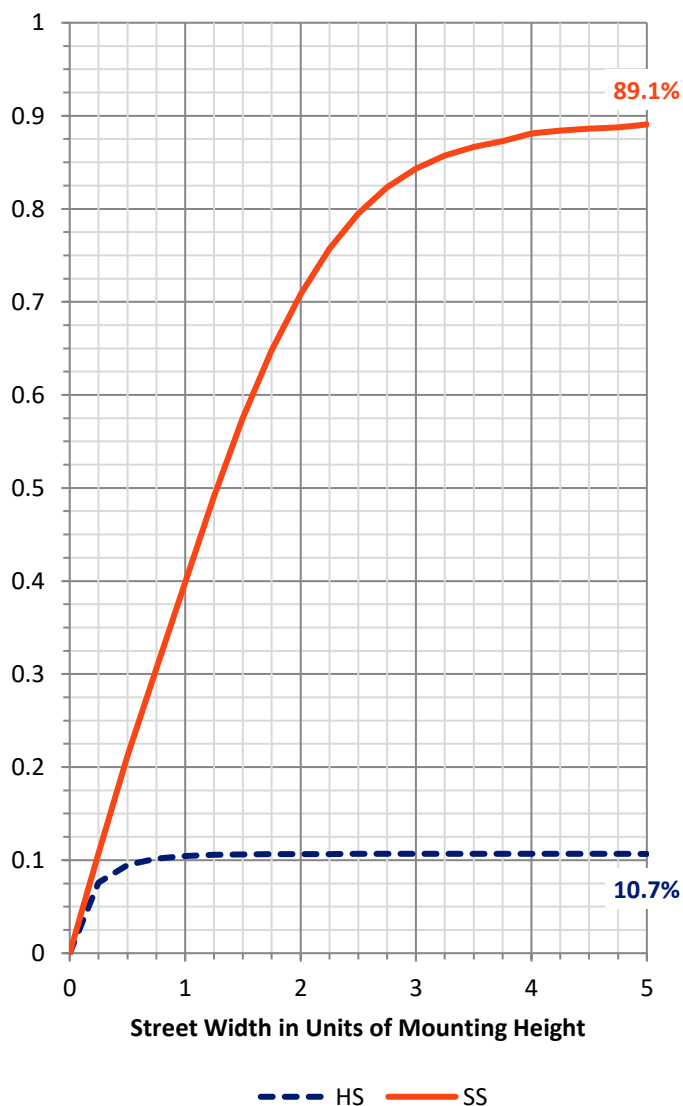
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.2	0.0	391.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3242.3	0.0	3242.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	3633.5	0.0	3633.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	1.1
10°-20°	117.3	3.2
20°-30°	183.7	5.1
30°-40°	257.3	7.1
40°-50°	424.2	11.7
50°-60°	762.5	21.0
60°-70°	1105.2	30.4
70°-80°	689.7	19.0
80°-90°	54.7	1.5
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°	3633.5	100.0
0°-180°	3633.5	100.0



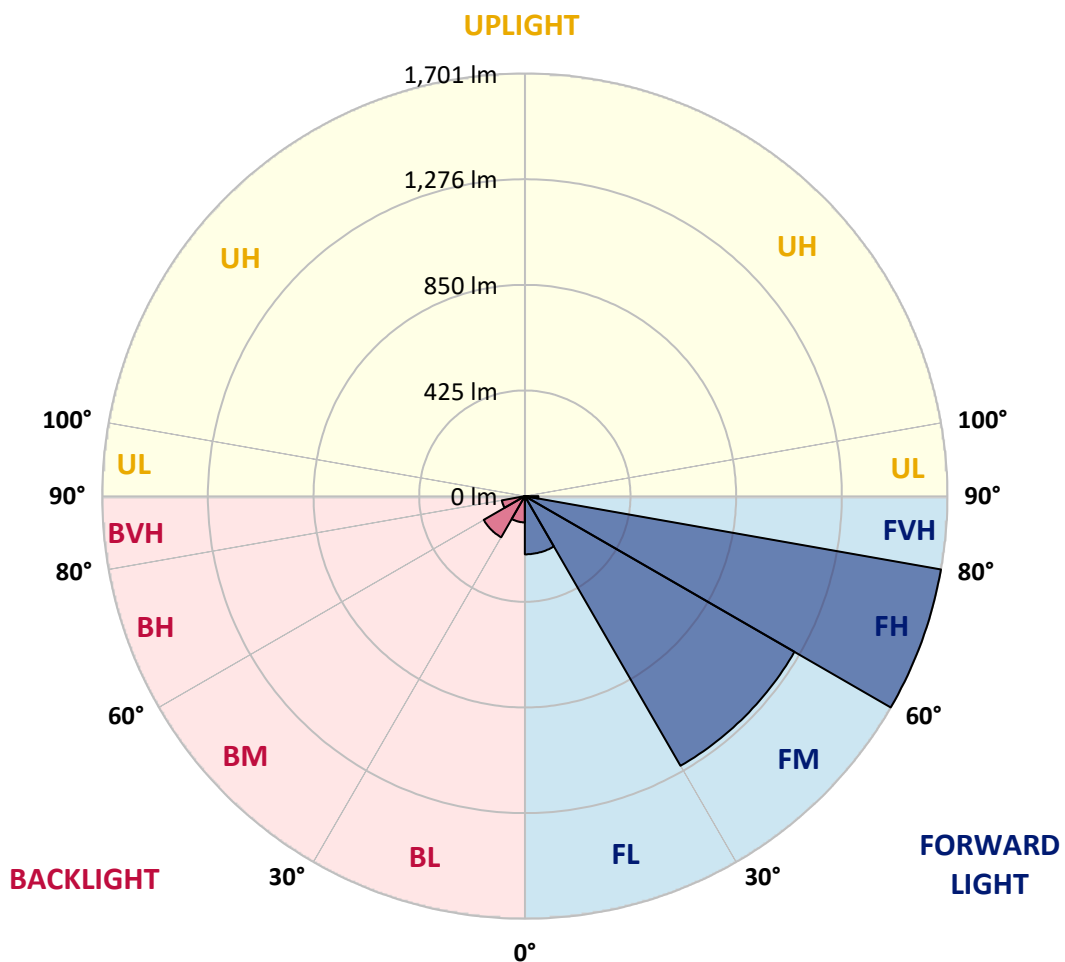
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.2	6.4			
FM (30°-60°)	1252.9	34.5			
FH (60°-80°)	1700.8	46.8			G1/1800
FVH (80°-90°)	54.4	1.5			G1/100
BL (0°-30°)	105.7	2.9	B0/110		
BM (30°-60°)	191.1	5.3	B0/220		
BH (60°-80°)	94.1	2.6	B0/110		G0/110
BVH (80°-90°)	0.3	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3
2.5°	434.7	432.8	435.6	434.7	423.5	425.4	424.5	417.1	404.1	396.7	392.0
5°	484.7	489.4	485.6	477.3	470.8	457.8	456.0	443.9	423.5	410.6	396.7
7.5°	536.6	536.6	529.2	516.2	502.3	488.4	486.6	466.2	448.6	426.3	406.9
10°	575.5	570.9	565.4	551.4	535.7	517.2	507.9	493.1	473.6	446.7	421.7
12.5°	609.8	602.4	593.2	572.8	554.2	533.8	535.7	511.6	498.6	474.5	437.5
15°	629.3	622.8	614.5	595.9	567.2	557.9	554.2	539.4	516.2	492.1	456.9
17.5°	633.9	629.3	618.2	594.1	578.3	567.2	566.3	548.7	538.5	518.1	479.2
20°	624.7	616.3	608.0	592.2	577.4	573.7	570.9	570.9	557.9	531.1	493.1
22.5°	608.9	599.6	595.0	585.7	573.7	572.8	574.6	572.8	562.6	545.0	507.9
25°	596.9	592.2	584.8	582.0	574.6	588.5	585.7	583.0	580.2	559.8	531.1
27.5°	600.6	599.6	594.1	583.0	577.4	592.2	600.6	601.5	600.6	580.2	552.4
30°	602.4	597.8	592.2	589.4	591.3	606.1	606.1	626.5	618.2	597.8	573.7
32.5°	623.7	621.0	602.4	595.9	596.9	614.5	615.4	635.8	633.0	619.1	592.2
35°	669.2	650.6	623.7	605.2	605.2	628.4	621.0	650.6	658.0	635.8	605.2
37.5°	736.8	722.9	674.7	633.0	617.3	633.9	641.3	658.0	680.3	660.8	631.2
40°	871.2	868.4	799.8	709.9	647.8	662.7	665.4	691.4	706.2	679.3	671.0
42.5°	1067.7	1053.8	989.8	848.0	703.4	697.0	707.2	723.8	759.1	736.8	716.4
45°	1259.5	1253.0	1189.1	1030.6	804.5	765.5	760.0	789.6	841.5	817.4	801.7
47.5°	1398.5	1385.6	1349.4	1216.0	952.8	846.2	849.9	879.5	945.3	926.8	931.4
50°	1505.1	1498.6	1460.6	1387.4	1140.0	973.1	965.7	995.4	1084.4	1096.4	1109.4
52.5°	1621.9	1634.0	1583.0	1520.9	1361.5	1143.7	1127.0	1137.2	1252.1	1279.9	1316.1
55°	1734.1	1753.5	1702.5	1694.2	1593.2	1332.7	1330.0	1305.9	1454.2	1457.9	1477.3
57.5°	1807.3	1800.8	1797.1	1842.5	1824.9	1549.6	1535.7	1511.6	1646.0	1621.9	1680.3
60°	1812.8	1831.4	1893.5	2005.6	2037.1	1804.5	1784.1	1718.3	1811.9	1754.4	1865.7
62.5°	1854.5	1869.4	1984.3	2139.1	2179.8	2028.8	2042.7	1875.9	1953.7	1908.3	2071.4
65°	1748.9	1795.2	2026.0	2242.9	2367.1	2255.8	2241.9	2078.8	2099.2	2056.6	2274.4
67.5°	1653.4	1671.0	1912.0	2274.4	2515.3	2483.8	2478.3	2258.6	2249.4	2170.6	2331.8
70°	1343.9	1365.2	1603.4	2113.1	2565.4	2749.8	2736.9	2510.7	2351.3	2108.5	2037.1
72.5°	770.2	812.8	1111.2	1627.5	2305.0	2824.0	2836.0	2551.5	2230.8	1773.0	1360.5
75°	252.1	264.1	461.5	922.2	1723.9	2463.4	2442.1	2192.8	1799.9	1170.6	614.5
77.5°	85.3	87.1	136.2	333.6	955.5	1664.5	1676.6	1567.2	1105.7	486.6	169.6
80°	43.6	46.3	66.7	125.1	393.0	906.4	925.9	893.4	463.4	143.7	40.8
82.5°	20.4	21.3	38.9	69.5	179.8	355.9	355.9	391.1	164.0	80.6	16.7
85°	7.4	7.4	20.4	39.9	76.0	118.6	119.6	120.5	86.2	60.2	7.4
87.5°	2.8	2.8	10.2	16.7	27.8	36.1	36.1	28.7	43.6	39.9	2.8
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°	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3
2.5°	390.2	384.6	380.0	373.5	365.2	360.5	361.5	355.9	355.9	353.1	352.2
5°	390.2	384.6	372.6	361.5	354.0	344.8	340.1	336.4	336.4	334.6	335.5
7.5°	393.0	384.6	367.9	353.1	341.1	331.8	324.4	323.5	321.6	317.0	320.7
10°	409.6	397.6	369.8	349.4	335.5	325.3	312.3	308.6	303.1	294.7	295.7
12.5°	423.5	407.8	382.8	355.0	337.4	320.7	291.0	258.6	244.7	229.8	230.8
15°	443.9	421.7	387.4	362.4	337.4	283.6	229.8	188.1	165.9	154.8	154.8
17.5°	455.1	436.5	400.4	367.0	310.5	230.8	163.1	127.0	123.3	125.1	125.1
20°	478.2	453.2	415.2	370.7	266.0	164.0	119.6	115.9	117.7	121.4	120.5
22.5°	493.1	468.0	426.3	354.0	205.8	117.7	112.1	110.3	112.1	116.8	116.8
25°	505.1	489.4	443.9	313.3	145.5	106.6	104.7	106.6	108.4	110.3	113.1
27.5°	534.8	507.9	456.0	260.4	104.7	99.2	101.0	101.9	101.9	104.7	105.7
30°	554.2	532.9	465.3	201.1	92.7	91.8	93.6	94.5	95.5	98.2	99.2
32.5°	572.8	565.4	453.2	136.2	87.1	85.3	84.3	85.3	89.0	91.8	90.8
35°	599.6	595.0	435.6	94.5	81.6	77.9	76.0	76.9	79.7	82.5	81.6
37.5°	632.1	636.7	393.0	82.5	76.0	71.4	67.7	67.7	68.6	71.4	72.3
40°	670.1	682.1	342.9	76.9	72.3	66.7	63.0	58.4	57.5	56.5	57.5
42.5°	739.6	753.5	286.4	73.2	66.7	60.2	54.7	49.1	44.5	41.7	41.7
45°	836.9	825.8	212.2	69.5	63.9	54.7	46.3	39.9	33.4	30.6	30.6
47.5°	971.3	933.3	145.5	65.8	59.3	48.2	38.9	30.6	25.0	22.2	22.2
50°	1157.6	1032.5	94.5	62.1	56.5	41.7	31.5	22.2	18.5	17.6	18.5
52.5°	1333.7	1133.5	75.1	57.5	51.0	36.1	24.1	18.5	16.7	15.8	15.8
55°	1495.9	1184.5	66.7	52.8	46.3	29.7	20.4	15.8	14.8	13.9	13.9
57.5°	1633.0	1202.1	57.5	46.3	37.1	23.2	16.7	13.9	12.0	11.1	11.1
60°	1751.7	1206.7	44.5	37.1	26.9	17.6	13.9	12.0	10.2	8.3	8.3
62.5°	1846.2	1174.3	31.5	26.0	18.5	13.9	12.0	8.3	5.6	3.7	2.8
65°	1921.3	1109.4	21.3	17.6	12.0	10.2	7.4	3.7	0.9	0.0	0.0
67.5°	1833.2	962.0	16.7	13.0	8.3	6.5	3.7	0.9	0.0	0.0	0.0
70°	1494.9	746.1	12.0	8.3	5.6	1.9	0.9	0.0	0.0	0.0	0.0
72.5°	1017.6	481.0	9.3	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	456.9	172.4	6.5	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	111.2	40.8	4.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	29.7	10.2	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.1	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	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)