

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: P674661

Luminaire Tested: **CCP-SA-1D-722-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674661
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

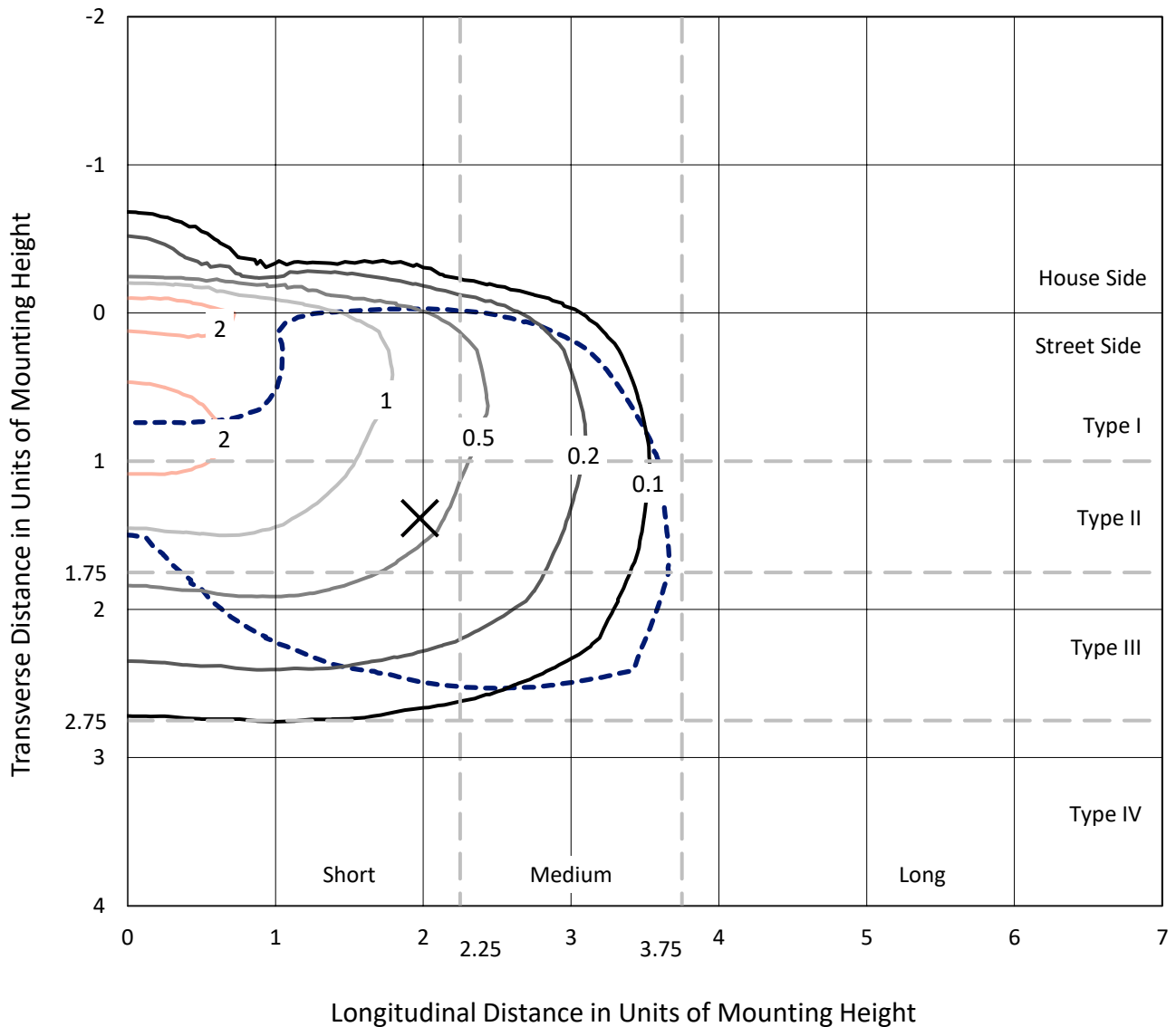
Lumens per Lamp: N/A
Luminaire Lumens: 3257.9 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

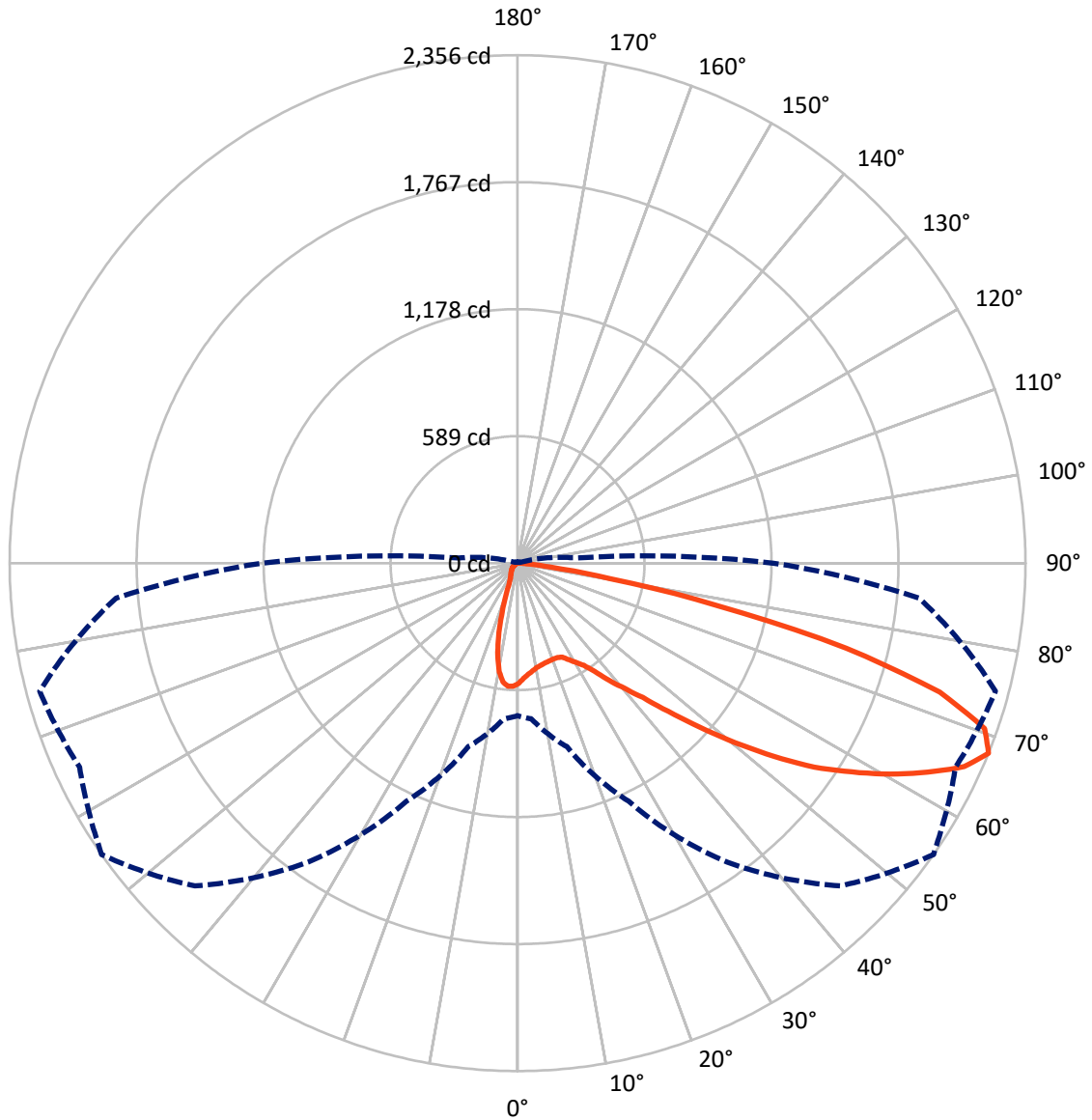
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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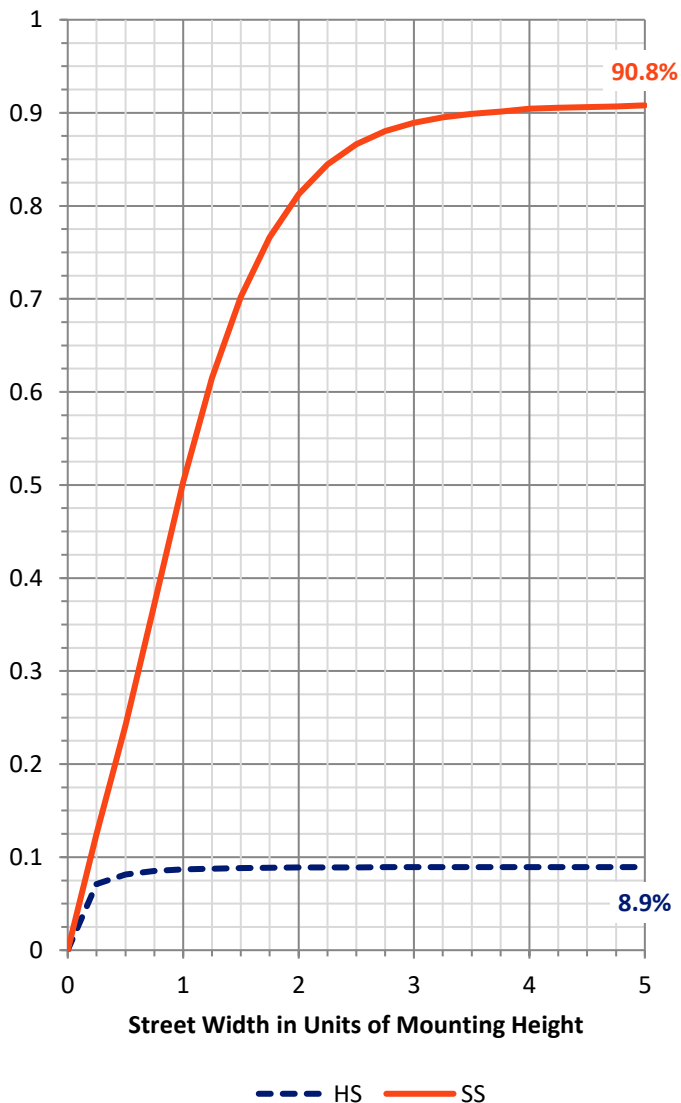
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.7	0.0	292.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2965.3	0.0	2965.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	3257.9	0.0	3257.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.5
10°-20°	111.6	3.4
20°-30°	179.0	5.5
30°-40°	310.4	9.5
40°-50°	517.6	15.9
50°-60°	757.0	23.2
60°-70°	882.6	27.1
70°-80°	428.3	13.1
80°-90°	22.4	0.7
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°	3257.9	100.0
0°-180°	3257.9	100.0



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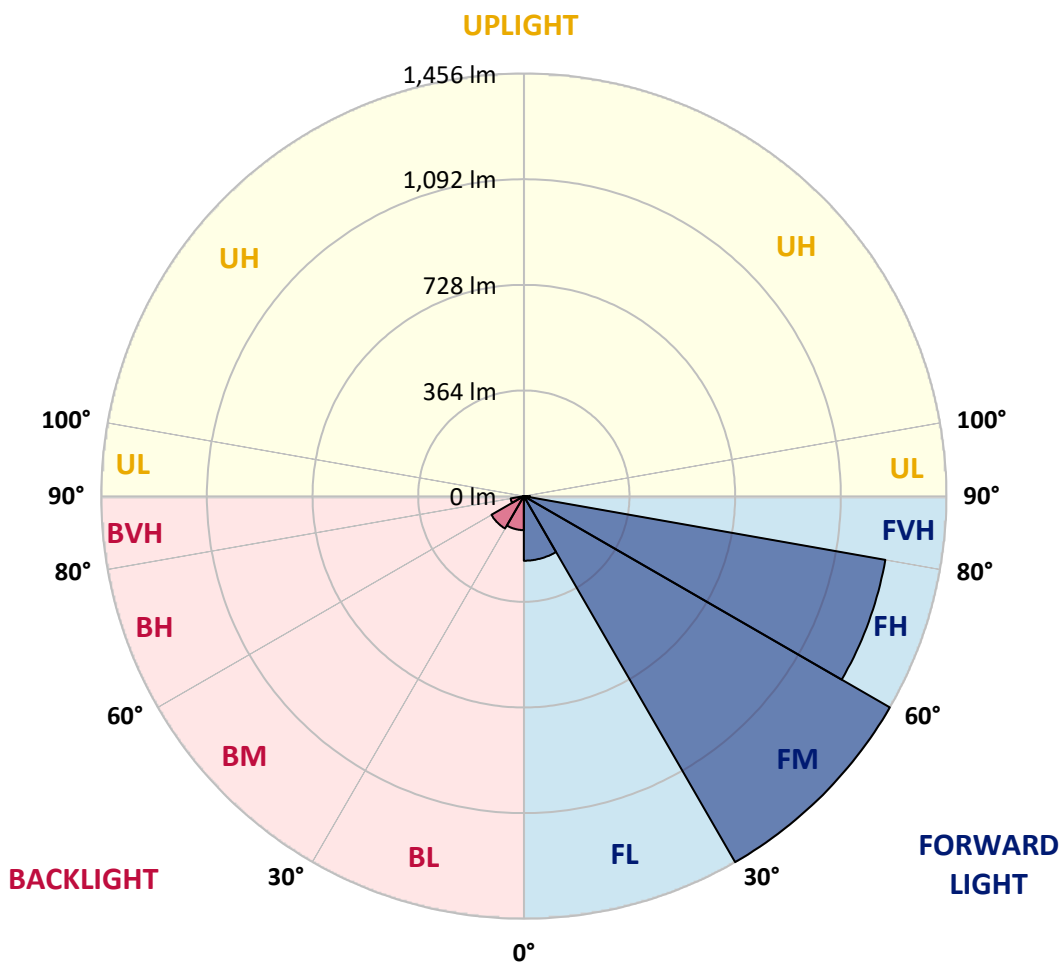
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.6	6.8			
FM (30°-60°)	1456.2	44.7			
FH (60°-80°)	1264.8	38.8			G1/1800
FVH (80°-90°)	21.7	0.7			G1/100
BL (0°-30°)	117.0	3.6	B1/500		
BM (30°-60°)	128.8	4.0	B0/220		
BH (60°-80°)	46.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	515.4	518.7	522.9	524.4	529.5	536.7	534.6	533.1	541.2	552.3	555.9
5°	483.3	483.6	490.2	495.0	503.7	510.6	518.1	517.5	532.2	551.1	563.1
7.5°	451.8	452.4	459.3	466.8	479.4	492.9	504.3	503.7	527.4	552.6	575.4
10°	410.3	413.3	421.7	435.0	454.8	476.1	492.0	493.5	522.0	558.3	592.2
12.5°	377.0	378.5	387.8	404.9	428.3	456.3	486.0	485.1	523.2	568.8	614.2
15°	362.9	362.0	367.7	380.3	407.0	442.2	480.0	482.1	527.4	580.8	637.0
17.5°	366.2	365.3	368.3	372.8	391.7	430.4	476.7	480.3	534.0	593.4	658.3
20°	402.8	396.5	391.1	386.3	389.0	420.8	474.6	478.5	537.9	603.0	680.8
22.5°	473.4	465.6	451.2	424.4	406.7	421.4	475.2	480.3	546.6	618.7	708.1
25°	588.3	580.8	549.9	495.3	448.5	443.1	483.3	488.7	566.7	642.4	737.2
27.5°	740.5	723.7	686.2	607.9	517.5	477.6	507.6	513.6	595.2	660.7	757.0
30°	866.9	863.0	827.0	730.9	612.7	528.3	534.9	538.2	608.2	671.8	776.8
32.5°	998.1	990.0	957.0	863.6	723.1	600.6	565.5	567.0	625.0	688.3	805.7
35°	1112.1	1104.6	1077.0	986.4	852.2	697.9	616.3	613.0	659.8	724.6	844.7
37.5°	1217.8	1216.9	1192.6	1100.1	968.1	798.8	691.0	688.3	714.1	764.5	897.5
40°	1321.1	1318.7	1298.0	1213.6	1082.1	899.3	762.1	755.2	760.3	820.4	967.2
42.5°	1384.4	1389.5	1396.7	1343.3	1217.5	1017.3	852.2	848.0	847.1	907.7	1058.7
45°	1418.6	1427.6	1470.0	1465.1	1361.0	1164.1	980.4	969.6	966.0	1027.8	1163.5
47.5°	1451.9	1455.8	1525.2	1554.3	1498.5	1317.2	1135.3	1120.2	1105.5	1174.3	1288.6
50°	1454.0	1460.3	1546.2	1617.0	1613.7	1467.8	1309.1	1295.9	1279.0	1352.6	1410.8
52.5°	1424.6	1437.2	1543.5	1656.7	1685.2	1600.8	1489.5	1478.7	1464.8	1519.8	1513.8
55°	1221.4	1242.7	1490.7	1660.3	1735.3	1714.9	1670.8	1655.8	1642.3	1681.3	1614.6
57.5°	1124.8	1136.8	1330.4	1657.6	1799.2	1820.6	1828.1	1821.2	1802.2	1850.9	1720.0
60°	1066.8	1084.2	1253.8	1627.5	1868.3	1940.0	1987.2	1973.3	1950.2	2017.2	1832.9
62.5°	997.5	1010.1	1177.6	1541.1	1909.4	2061.6	2136.3	2123.7	2076.0	2170.6	1924.1
65°	869.6	888.5	1056.3	1405.1	1854.2	2150.7	2276.8	2272.6	2189.8	2286.4	1949.0
67.5°	707.8	724.9	881.3	1218.7	1692.7	2117.4	2356.4	2343.2	2241.4	2295.1	1870.1
70°	531.3	540.6	658.6	931.1	1386.8	1939.4	2298.7	2296.0	2163.1	2166.1	1627.8
72.5°	285.2	311.0	438.0	623.2	975.3	1570.8	2048.7	2037.9	1929.8	1774.0	1170.7
75°	99.7	107.2	233.2	350.0	529.8	1046.4	1575.3	1550.1	1443.2	1153.9	637.9
77.5°	61.2	67.2	103.6	178.9	206.2	454.2	946.4	913.7	844.7	498.9	217.9
80°	42.3	47.7	69.3	93.7	70.2	147.1	435.6	423.2	325.7	118.9	50.1
82.5°	23.7	28.5	52.5	45.9	28.2	38.1	151.0	139.9	86.8	32.1	16.8
85°	13.8	16.5	36.9	32.4	14.4	13.5	39.3	35.1	22.5	12.0	8.1
87.5°	7.2	9.3	27.0	21.6	8.7	4.8	9.0	8.7	5.7	4.2	5.4
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°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	562.5	561.0	568.8	571.5	570.9	569.7	572.7	568.8	568.5	567.6	566.7
5°	572.7	575.1	581.4	581.4	573.0	559.2	550.8	539.4	529.8	524.1	523.2
7.5°	588.0	592.8	597.0	584.1	555.3	521.1	484.8	456.3	431.3	418.4	417.2
10°	609.7	614.2	610.9	573.9	512.1	441.3	382.1	322.7	293.0	276.8	276.8
12.5°	635.5	639.1	619.0	548.4	441.0	338.3	259.4	196.9	167.2	148.0	146.8
15°	663.4	664.3	617.8	504.0	353.0	227.2	148.9	109.3	96.7	94.0	93.4
17.5°	687.7	684.1	605.2	438.3	254.2	135.4	94.6	85.5	83.1	83.1	83.1
20°	710.5	698.5	579.9	361.7	163.0	92.2	81.3	78.9	78.9	79.2	79.2
22.5°	735.7	712.0	543.9	276.8	104.8	78.9	76.2	75.0	74.7	75.6	75.3
25°	765.4	725.2	492.3	191.2	81.0	73.5	72.3	71.1	71.1	71.1	71.1
27.5°	782.0	723.4	433.5	120.7	70.8	68.1	66.9	65.7	64.8	64.5	64.8
30°	796.4	712.9	356.6	84.3	63.9	60.9	60.0	58.5	56.7	56.1	56.1
32.5°	815.3	704.2	276.2	67.8	57.9	54.6	51.9	49.5	46.5	45.3	45.0
35°	836.3	688.3	202.3	59.7	52.5	48.3	44.1	40.2	36.3	35.1	34.8
37.5°	862.4	673.9	137.2	55.2	48.0	42.9	37.2	31.8	28.2	27.6	27.6
40°	897.8	661.9	94.9	51.3	43.8	37.8	30.9	25.2	22.8	22.2	22.2
42.5°	946.1	652.0	71.7	48.0	40.2	32.7	24.9	20.7	18.9	18.3	18.3
45°	1003.2	636.7	60.6	45.0	36.6	27.6	20.7	17.4	16.5	16.5	16.5
47.5°	1068.6	617.5	55.2	42.0	32.7	22.5	17.4	15.9	15.6	15.6	15.9
50°	1134.7	594.6	51.3	38.4	28.2	19.2	15.9	15.0	15.0	15.3	15.3
52.5°	1179.4	558.9	47.4	34.5	23.7	16.8	15.0	14.7	14.4	14.4	14.4
55°	1222.9	527.7	42.0	30.3	19.8	15.6	14.4	14.1	14.1	13.8	13.8
57.5°	1268.2	503.1	35.1	25.2	16.8	14.7	13.8	13.8	13.2	12.9	12.9
60°	1320.8	481.5	27.0	19.8	14.7	13.8	12.9	12.6	12.0	11.4	11.4
62.5°	1336.1	435.9	20.4	15.9	12.6	12.0	11.7	11.1	9.6	8.4	8.7
65°	1296.2	364.1	16.2	12.6	10.2	10.2	9.3	7.8	6.3	5.4	5.4
67.5°	1186.0	272.0	13.2	9.9	8.1	7.8	6.6	5.7	3.9	3.3	3.3
70°	977.4	179.8	10.8	7.8	6.6	5.4	4.5	4.2	3.0	2.4	2.4
72.5°	685.0	97.6	9.0	6.3	4.8	3.6	3.0	2.7	2.1	1.8	1.5
75°	361.7	37.5	7.2	4.8	3.0	2.4	1.8	1.8	1.5	1.2	1.2
77.5°	124.0	15.9	5.1	2.7	2.1	1.5	1.2	0.9	1.2	0.9	0.9
80°	29.4	9.3	3.3	1.8	1.2	0.9	0.9	0.6	0.6	0.6	0.6
82.5°	12.9	5.4	2.1	1.2	1.2	0.9	0.6	0.3	0.3	0.3	0.3
85°	8.7	3.3	1.5	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.9	2.1	1.2	1.2	0.9	0.6	0.3	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)