

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: P673509

Luminaire Tested: **CCP-SA-1D-722-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673509
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T4W distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

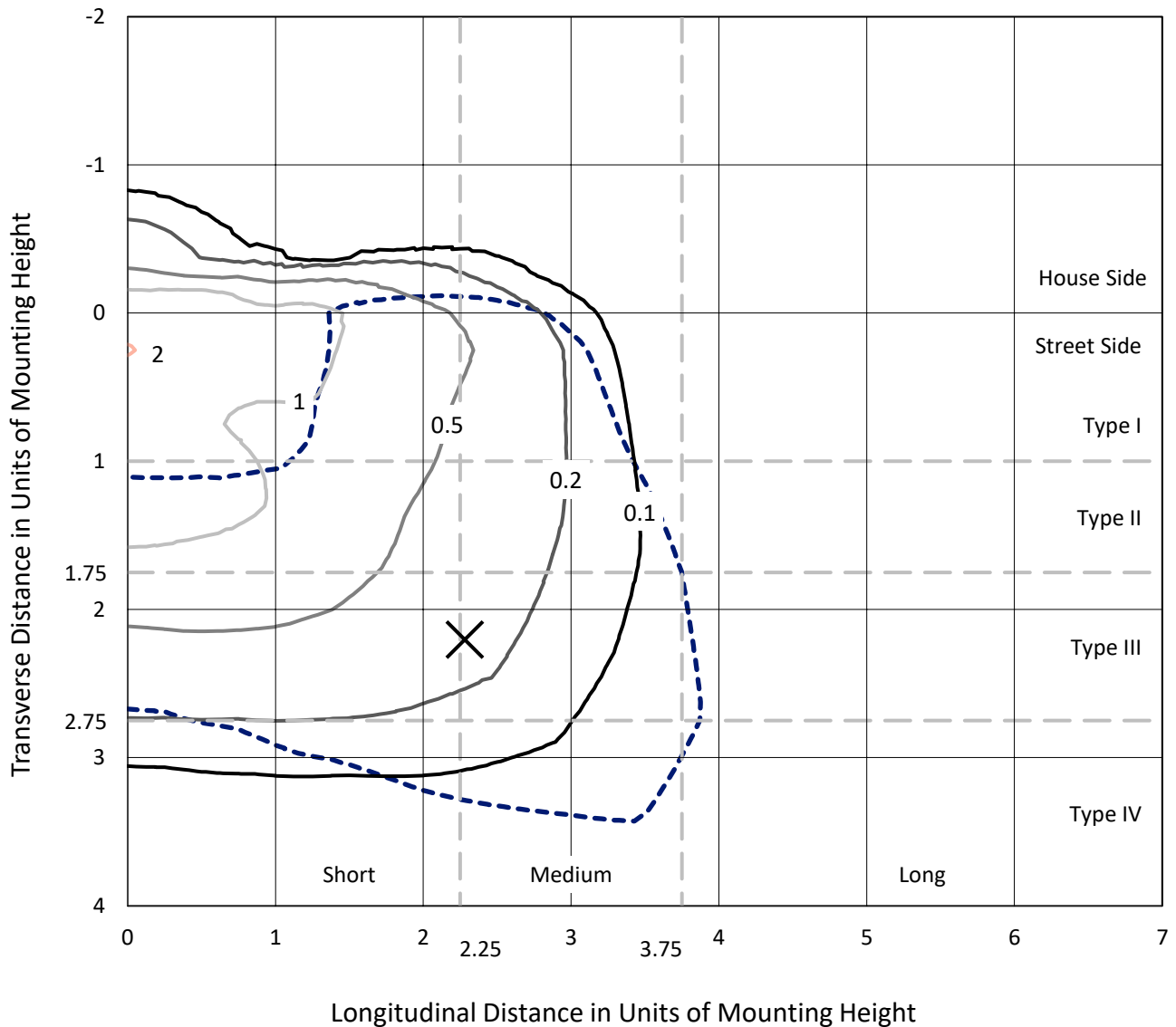
Lumens per Lamp: N/A
Luminaire Lumens: 2963.8 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

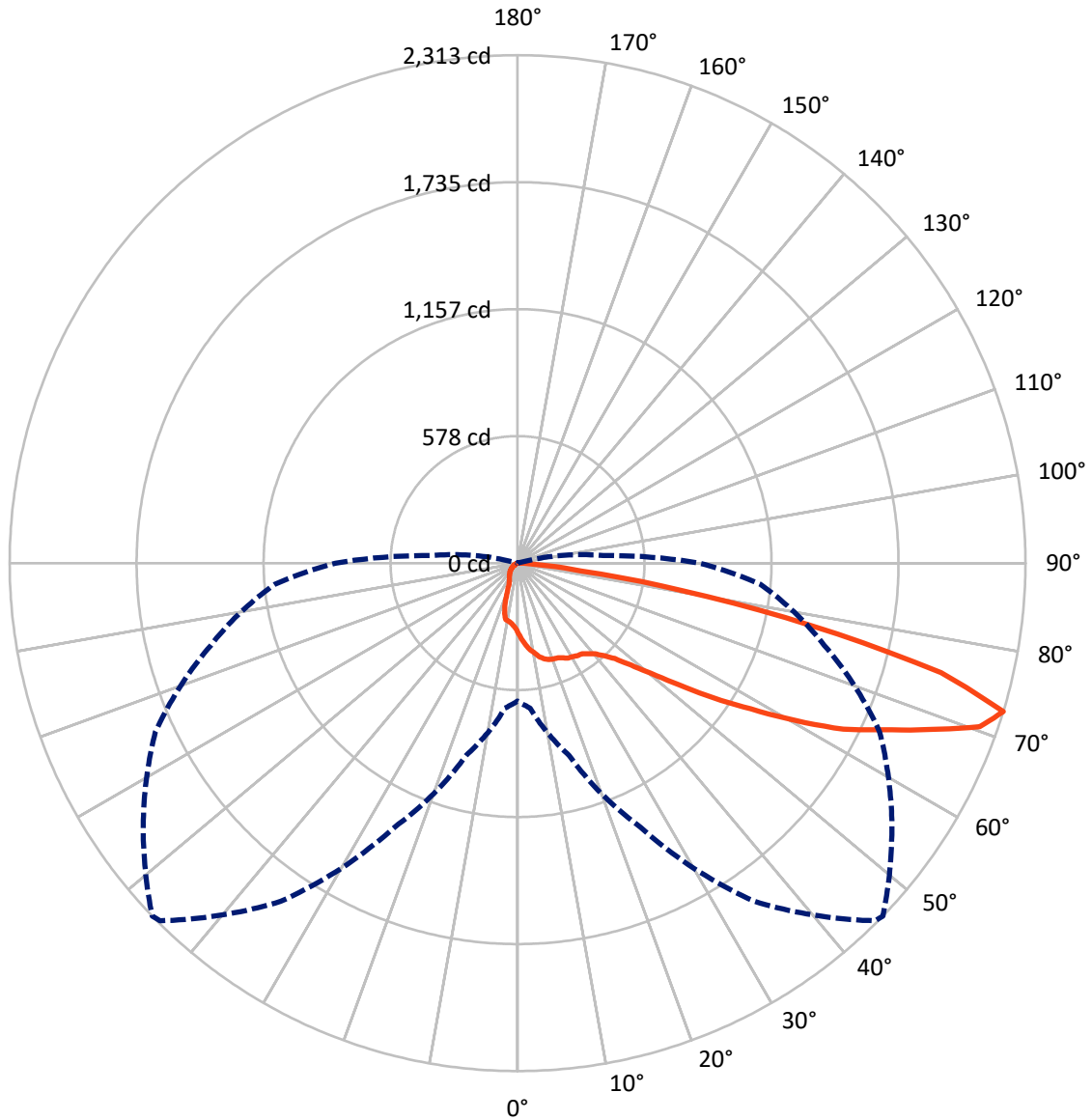
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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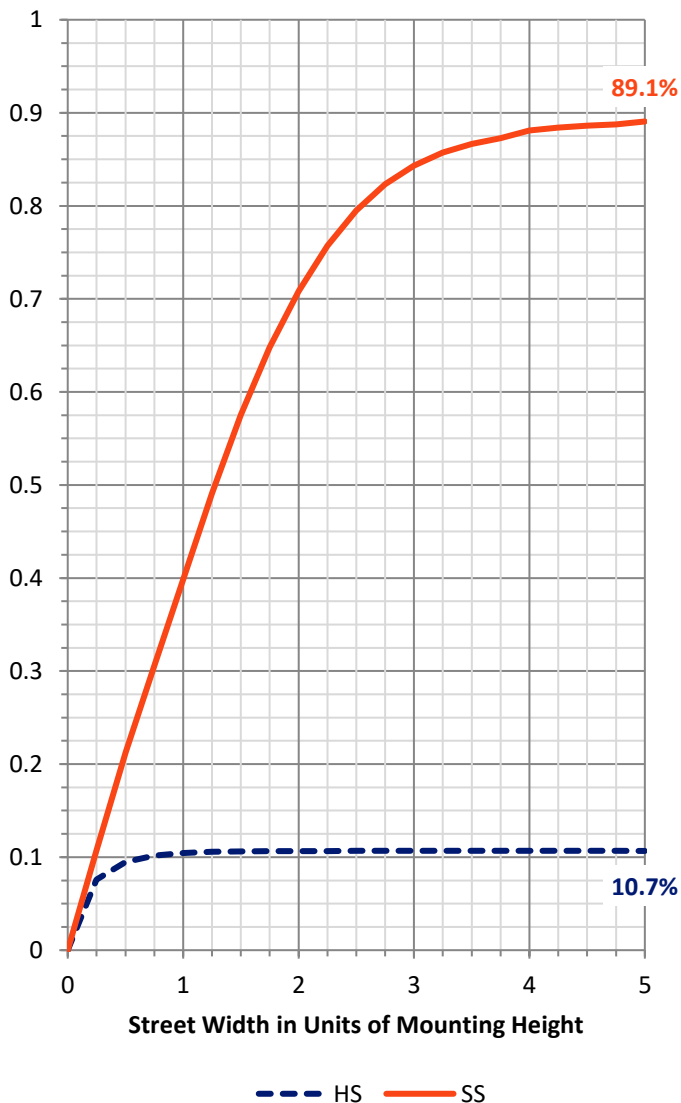
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.1	0.0	319.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2644.7	0.0	2644.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	2963.8	0.0	2963.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.1
10°-20°	95.7	3.2
20°-30°	149.8	5.1
30°-40°	209.8	7.1
40°-50°	346.0	11.7
50°-60°	622.0	21.0
60°-70°	901.5	30.4
70°-80°	562.6	19.0
80°-90°	44.6	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°	2963.8	100.0
0°-180°	2963.8	100.0



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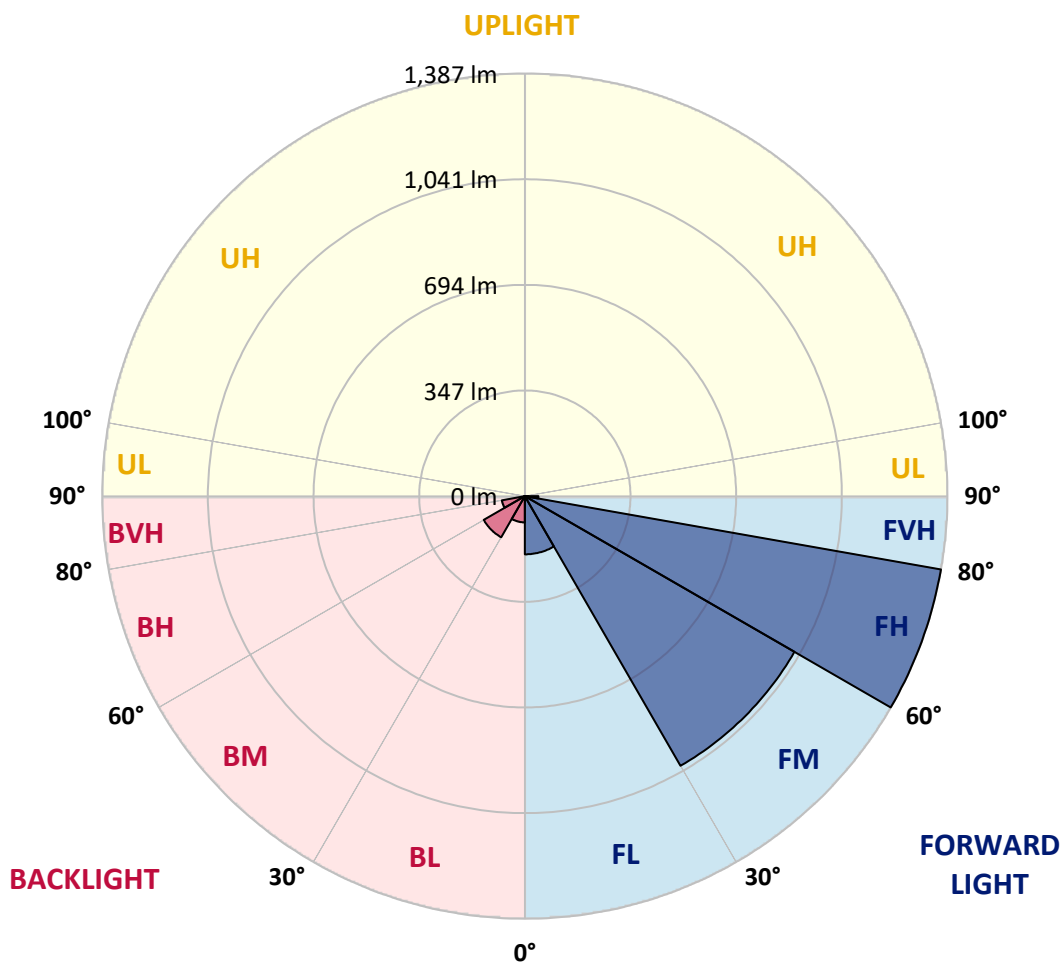
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.0	6.4			
FM (30°-60°)	1022.0	34.5			
FH (60°-80°)	1387.3	46.8			G1/1800
FVH (80°-90°)	44.4	1.5			G1/100
BL (0°-30°)	86.2	2.9	B0/110		
BM (30°-60°)	155.9	5.3	B0/220		
BH (60°-80°)	76.7	2.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	354.6	353.0	355.3	354.6	345.5	347.0	346.2	340.2	329.6	323.6	319.8
5°	395.4	399.2	396.1	389.3	384.0	373.5	371.9	362.1	345.5	334.9	323.6
7.5°	437.7	437.7	431.7	421.1	409.7	398.4	396.9	380.3	365.9	347.8	331.9
10°	469.5	465.7	461.2	449.8	437.0	421.8	414.3	402.2	386.3	364.4	344.0
12.5°	497.4	491.4	483.8	467.2	452.1	435.4	437.0	417.3	406.7	387.1	356.8
15°	513.3	508.0	501.2	486.1	462.7	455.1	452.1	440.0	421.1	401.4	372.7
17.5°	517.1	513.3	504.2	484.6	471.7	462.7	461.9	447.5	439.2	422.6	390.8
20°	509.5	502.7	495.9	483.1	471.0	468.0	465.7	465.7	455.1	433.2	402.2
22.5°	496.7	489.1	485.3	477.8	468.0	467.2	468.7	467.2	458.9	444.5	414.3
25°	486.9	483.1	477.0	474.8	468.7	480.1	477.8	475.5	473.2	456.6	433.2
27.5°	489.9	489.1	484.6	475.5	471.0	483.1	489.9	490.6	489.9	473.2	450.6
30°	491.4	487.6	483.1	480.8	482.3	494.4	494.4	511.0	504.2	487.6	468.0
32.5°	508.8	506.5	491.4	486.1	486.9	501.2	502.0	518.6	516.3	505.0	483.1
35°	545.8	530.7	508.8	493.7	493.7	512.6	506.5	530.7	536.7	518.6	493.7
37.5°	601.0	589.7	550.4	516.3	503.5	517.1	523.1	536.7	554.9	539.0	514.8
40°	710.6	708.4	652.4	579.1	528.4	540.5	542.8	564.0	576.1	554.1	547.3
42.5°	870.9	859.6	807.4	691.7	573.8	568.5	576.8	590.4	619.2	601.0	584.4
45°	1027.4	1022.1	969.9	840.7	656.2	624.4	619.9	644.1	686.4	666.8	653.9
47.5°	1140.8	1130.2	1100.7	991.9	777.2	690.2	693.2	717.4	771.1	756.0	759.8
50°	1227.7	1222.4	1191.4	1131.7	929.9	793.8	787.7	811.9	884.5	894.3	904.9
52.5°	1323.0	1332.8	1291.2	1240.6	1110.5	932.9	919.3	927.6	1021.3	1044.0	1073.5
55°	1414.4	1430.3	1388.7	1381.9	1299.5	1087.1	1084.8	1065.2	1186.1	1189.2	1205.0
57.5°	1474.2	1468.9	1465.9	1502.9	1488.5	1264.0	1252.7	1233.0	1342.6	1323.0	1370.6
60°	1478.7	1493.8	1544.5	1636.0	1661.7	1471.9	1455.3	1401.6	1478.0	1431.1	1521.8
62.5°	1512.7	1524.8	1618.6	1744.8	1778.1	1654.9	1666.2	1530.1	1593.6	1556.6	1689.6
65°	1426.5	1464.3	1652.6	1829.5	1930.8	1840.1	1828.7	1695.7	1712.3	1677.5	1855.2
67.5°	1348.7	1363.0	1559.6	1855.2	2051.7	2026.0	2021.5	1842.3	1834.8	1770.5	1902.1
70°	1096.2	1113.6	1307.9	1723.6	2092.6	2243.0	2232.4	2048.0	1917.9	1719.9	1661.7
72.5°	628.2	663.0	906.4	1327.5	1880.1	2303.5	2313.3	2081.2	1819.7	1446.2	1109.8
75°	205.6	215.5	376.5	752.2	1406.1	2009.4	1992.0	1788.7	1468.1	954.8	501.2
77.5°	69.6	71.1	111.1	272.2	779.4	1357.7	1367.6	1278.4	901.9	396.9	138.3
80°	35.5	37.8	54.4	102.1	320.5	739.4	755.2	728.8	378.0	117.2	33.3
82.5°	16.6	17.4	31.8	56.7	146.7	290.3	290.3	319.0	133.8	65.8	13.6
85°	6.0	6.0	16.6	32.5	62.0	96.8	97.5	98.3	70.3	49.1	6.0
87.5°	2.3	2.3	8.3	13.6	22.7	29.5	29.5	23.4	35.5	32.5	2.3
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°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	318.3	313.7	310.0	304.7	297.9	294.1	294.8	290.3	290.3	288.0	287.3
5°	318.3	313.7	303.9	294.8	288.8	281.2	277.4	274.4	274.4	272.9	273.7
7.5°	320.5	313.7	300.1	288.0	278.2	270.6	264.6	263.8	262.3	258.5	261.6
10°	334.1	324.3	301.6	285.0	273.7	265.4	254.8	251.7	247.2	240.4	241.2
12.5°	345.5	332.6	312.2	289.5	275.2	261.6	237.4	210.9	199.6	187.5	188.2
15°	362.1	344.0	316.0	295.6	275.2	231.3	187.5	153.5	135.3	126.2	126.2
17.5°	371.2	356.1	326.6	299.4	253.3	188.2	133.1	103.6	100.5	102.1	102.1
20°	390.1	369.7	338.7	302.4	217.0	133.8	97.5	94.5	96.0	99.0	98.3
22.5°	402.2	381.8	347.8	288.8	167.8	96.0	91.5	90.0	91.5	95.3	95.3
25°	412.0	399.2	362.1	255.5	118.7	86.9	85.4	86.9	88.5	90.0	92.2
27.5°	436.2	414.3	371.9	212.4	85.4	80.9	82.4	83.2	83.2	85.4	86.2
30°	452.1	434.7	379.5	164.0	75.6	74.8	76.4	77.1	77.9	80.1	80.9
32.5°	467.2	461.2	369.7	111.1	71.1	69.6	68.8	69.6	72.6	74.8	74.1
35°	489.1	485.3	355.3	77.1	66.5	63.5	62.0	62.7	65.0	67.3	66.5
37.5°	515.6	519.4	320.5	67.3	62.0	58.2	55.2	55.2	55.9	58.2	59.0
40°	546.6	556.4	279.7	62.7	59.0	54.4	51.4	47.6	46.9	46.1	46.9
42.5°	603.3	614.6	233.6	59.7	54.4	49.1	44.6	40.1	36.3	34.0	34.0
45°	682.7	673.6	173.1	56.7	52.2	44.6	37.8	32.5	27.2	24.9	24.9
47.5°	792.3	761.3	118.7	53.7	48.4	39.3	31.8	24.9	20.4	18.1	18.1
50°	944.2	842.2	77.1	50.7	46.1	34.0	25.7	18.1	15.1	14.4	15.1
52.5°	1087.9	924.6	61.2	46.9	41.6	29.5	19.7	15.1	13.6	12.9	12.9
55°	1220.2	966.1	54.4	43.1	37.8	24.2	16.6	12.9	12.1	11.3	11.3
57.5°	1332.0	980.5	46.9	37.8	30.2	18.9	13.6	11.3	9.8	9.1	9.1
60°	1428.8	984.3	36.3	30.2	21.9	14.4	11.3	9.8	8.3	6.8	6.8
62.5°	1505.9	957.8	25.7	21.2	15.1	11.3	9.8	6.8	4.5	3.0	2.3
65°	1567.2	904.9	17.4	14.4	9.8	8.3	6.0	3.0	0.8	0.0	0.0
67.5°	1495.3	784.7	13.6	10.6	6.8	5.3	3.0	0.8	0.0	0.0	0.0
70°	1219.4	608.6	9.8	6.8	4.5	1.5	0.8	0.0	0.0	0.0	0.0
72.5°	830.1	392.4	7.6	4.5	2.3	0.8	0.0	0.0	0.0	0.0	0.0
75°	372.7	140.6	5.3	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	90.7	33.3	3.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	24.2	8.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.1	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.8	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)