

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: P676686

Luminaire Tested: **CCW-SA-1C-730-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676686
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

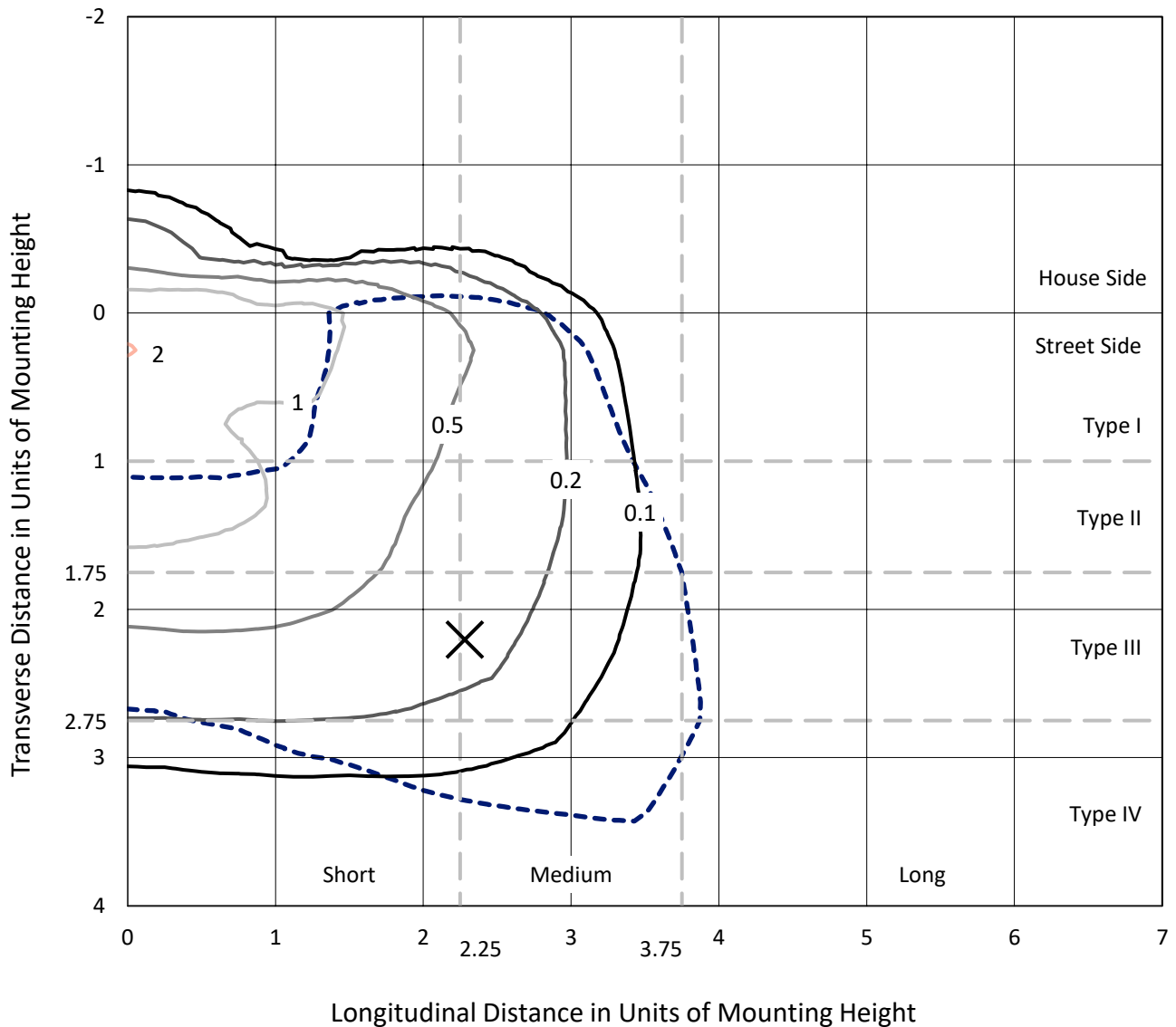
Lumens per Lamp: N/A
Luminaire Lumens: 2970.4 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

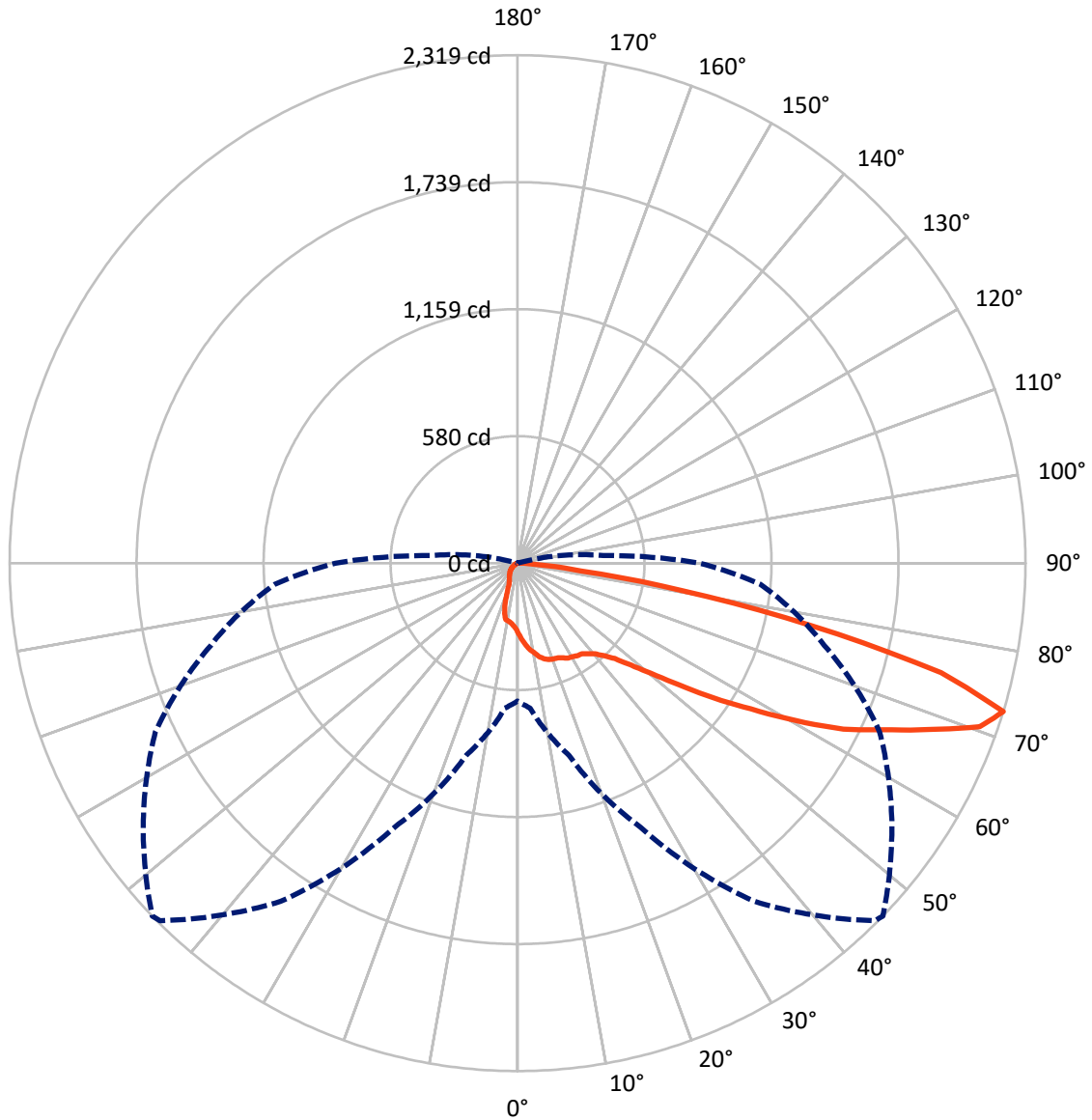
× Max cd
 - - - 1/2 Max cd



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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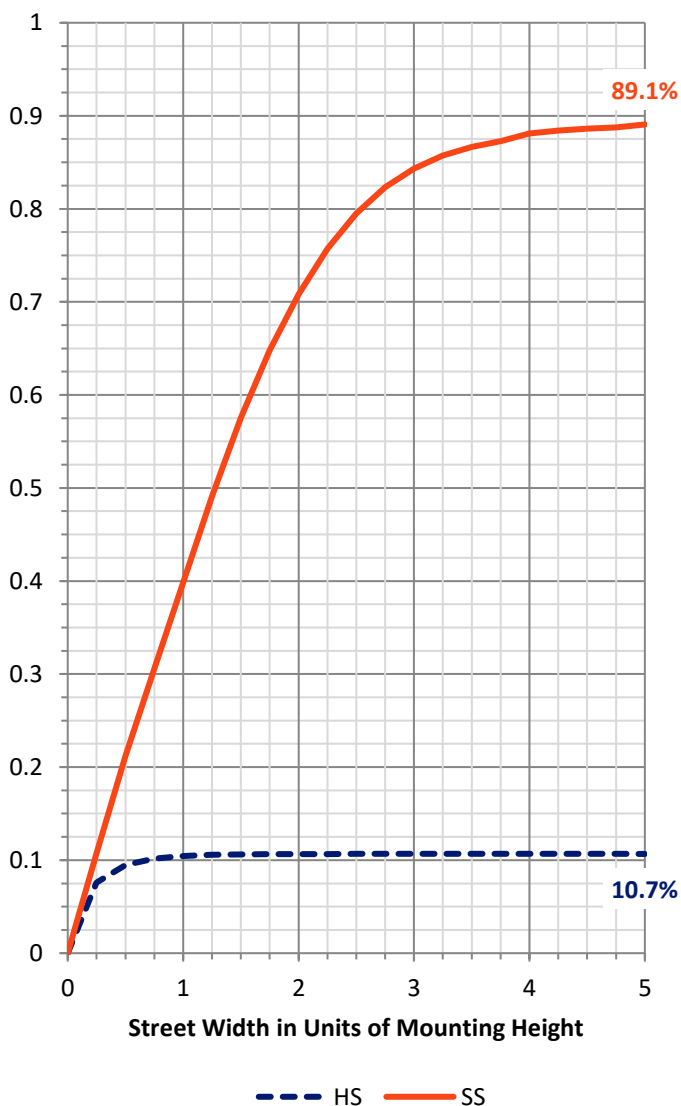
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.8	0.0	319.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2650.6	0.0	2650.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	2970.4	0.0	2970.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.1
10°-20°	95.9	3.2
20°-30°	150.2	5.1
30°-40°	210.3	7.1
40°-50°	346.8	11.7
50°-60°	623.3	21.0
60°-70°	903.5	30.4
70°-80°	563.9	19.0
80°-90°	44.7	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°	2970.4	100.0
0°-180°	2970.4	100.0

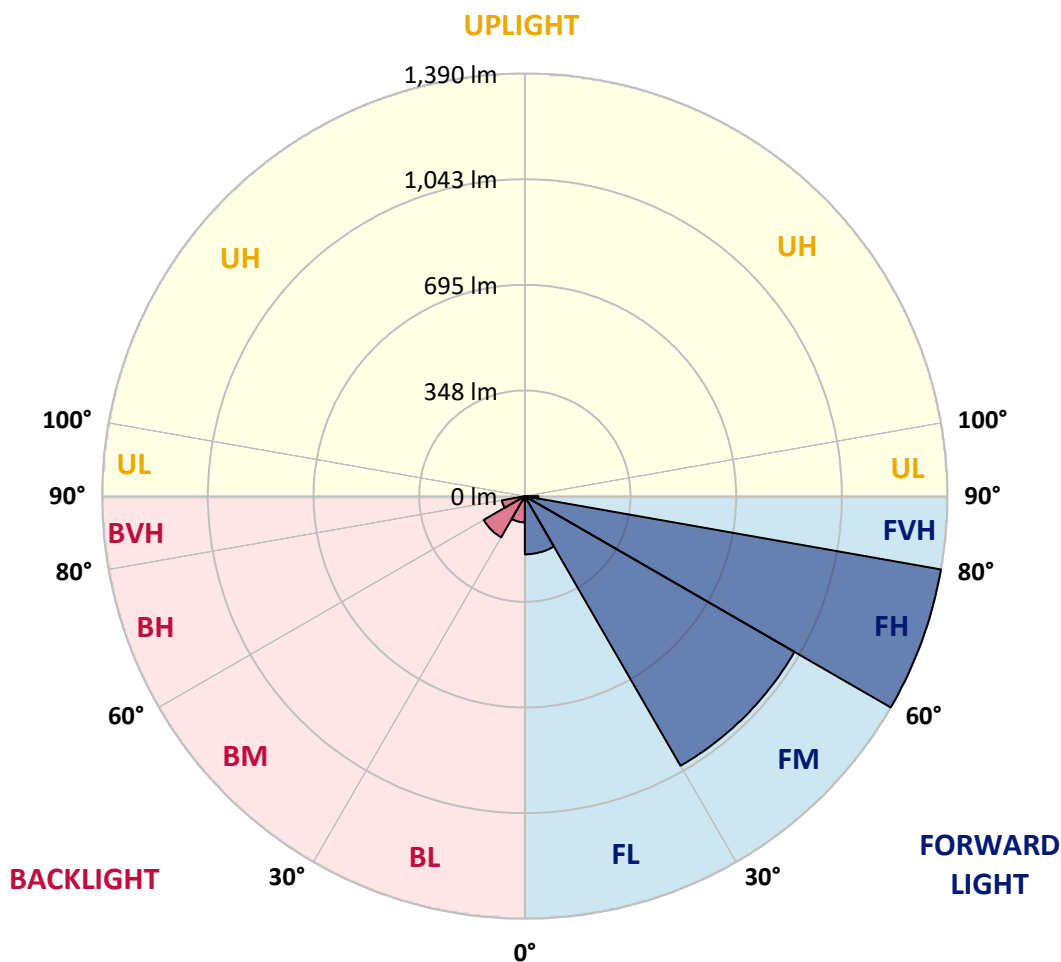


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.5	6.4			
FM (30°-60°)	1024.2	34.5			
FH (60°-80°)	1390.4	46.8			G1/1800
FVH (80°-90°)	44.4	1.5			G1/100
BL (0°-30°)	86.4	2.9	B0/110		
BM (30°-60°)	156.2	5.3	B0/220		
BH (60°-80°)	76.9	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°	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5
2.5°	355.3	353.8	356.1	355.3	346.3	347.8	347.0	340.9	330.3	324.3	320.5
5°	396.3	400.0	397.0	390.2	384.9	374.3	372.8	362.9	346.3	335.6	324.3
7.5°	438.7	438.7	432.6	422.0	410.7	399.3	397.8	381.1	366.7	348.5	332.6
10°	470.5	466.7	462.2	450.8	437.9	422.8	415.2	403.1	387.2	365.2	344.7
12.5°	498.5	492.5	484.9	468.2	453.1	436.4	437.9	418.2	407.6	387.9	357.6
15°	514.5	509.2	502.3	487.2	463.7	456.1	453.1	441.0	422.0	402.3	373.5
17.5°	518.2	514.5	505.4	485.7	472.8	463.7	462.9	448.5	440.2	423.5	391.7
20°	510.7	503.8	497.0	484.1	472.0	469.0	466.7	466.7	456.1	434.1	403.1
22.5°	497.8	490.2	486.4	478.8	469.0	468.2	469.8	468.2	459.9	445.5	415.2
25°	487.9	484.1	478.1	475.8	469.8	481.1	478.8	476.6	474.3	457.6	434.1
27.5°	491.0	490.2	485.7	476.6	472.0	484.1	491.0	491.7	491.0	474.3	451.6
30°	492.5	488.7	484.1	481.9	483.4	495.5	495.5	512.2	505.4	488.7	469.0
32.5°	509.9	507.6	492.5	487.2	487.9	502.3	503.1	519.8	517.5	506.1	484.1
35°	547.0	531.9	509.9	494.8	494.8	513.7	507.6	531.9	537.9	519.8	494.8
37.5°	602.3	591.0	551.6	517.5	504.6	518.2	524.3	537.9	556.1	540.2	516.0
40°	712.2	709.9	653.9	580.4	529.6	541.7	544.0	565.2	577.3	555.4	548.5
42.5°	872.8	861.5	809.2	693.3	575.1	569.8	578.1	591.7	620.5	602.3	585.7
45°	1029.7	1024.4	972.1	842.5	657.7	625.8	621.3	645.5	688.0	668.3	655.4
47.5°	1143.3	1132.7	1103.2	994.1	778.9	691.7	694.8	719.0	772.8	757.7	761.5
50°	1230.4	1225.1	1194.1	1134.2	931.9	795.5	789.5	813.7	886.5	896.3	906.9
52.5°	1325.9	1335.8	1294.1	1243.3	1113.0	935.0	921.3	929.7	1023.6	1046.3	1075.9
55°	1417.6	1433.5	1391.8	1385.0	1302.4	1089.5	1087.2	1067.5	1188.8	1191.8	1207.7
57.5°	1477.4	1472.1	1469.1	1506.2	1491.8	1266.8	1255.4	1235.7	1345.6	1325.9	1373.6
60°	1482.0	1497.1	1547.9	1639.6	1665.3	1475.2	1458.5	1404.7	1481.2	1434.3	1525.2
62.5°	1516.1	1528.2	1622.2	1748.7	1782.0	1658.5	1669.9	1533.5	1597.2	1560.0	1693.4
65°	1429.7	1467.6	1656.3	1833.5	1935.1	1844.2	1832.8	1699.4	1716.1	1681.3	1859.3
67.5°	1351.7	1366.1	1563.1	1859.3	2056.3	2030.5	2026.0	1846.4	1838.9	1774.4	1906.3
70°	1098.6	1116.0	1310.8	1727.5	2097.2	2248.0	2237.4	2052.5	1922.2	1723.7	1665.3
72.5°	629.6	664.5	908.4	1330.5	1884.3	2308.6	2318.5	2085.8	1823.7	1449.4	1112.3
75°	206.1	215.9	377.3	753.9	1409.3	2013.9	1996.4	1792.6	1471.4	956.9	502.3
77.5°	69.7	71.2	111.4	272.8	781.2	1360.8	1370.6	1281.2	903.9	397.8	138.7
80°	35.6	37.9	54.6	102.3	321.2	741.0	756.9	730.4	378.8	117.4	33.3
82.5°	16.7	17.4	31.8	56.8	147.0	290.9	290.9	319.7	134.1	65.9	13.6
85°	6.1	6.1	16.7	32.6	62.1	97.0	97.7	98.5	70.5	49.2	6.1
87.5°	2.3	2.3	8.3	13.6	22.7	29.5	29.5	23.5	35.6	32.6	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°	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5
2.5°	319.0	314.4	310.6	305.3	298.5	294.7	295.5	290.9	290.9	288.7	287.9
5°	319.0	314.4	304.6	295.5	289.4	281.9	278.1	275.0	275.0	273.5	274.3
7.5°	321.2	314.4	300.8	288.7	278.8	271.2	265.2	264.4	262.9	259.1	262.2
10°	334.9	325.0	302.3	285.6	274.3	265.9	255.3	252.3	247.8	240.9	241.7
12.5°	346.3	333.4	312.9	290.2	275.8	262.2	237.9	211.4	200.0	187.9	188.7
15°	362.9	344.7	316.7	296.2	275.8	231.8	187.9	153.8	135.6	126.5	126.5
17.5°	372.0	356.9	327.3	300.0	253.8	188.7	133.3	103.8	100.8	102.3	102.3
20°	391.0	370.5	339.4	303.1	217.4	134.1	97.7	94.7	96.2	99.3	98.5
22.5°	403.1	382.6	348.5	289.4	168.2	96.2	91.7	90.2	91.7	95.5	95.5
25°	412.9	400.0	362.9	256.1	119.0	87.1	85.6	87.1	88.6	90.2	92.4
27.5°	437.2	415.2	372.8	212.9	85.6	81.1	82.6	83.3	83.3	85.6	86.4
30°	453.1	435.7	380.3	164.4	75.8	75.0	76.5	77.3	78.0	80.3	81.1
32.5°	468.2	462.2	370.5	111.4	71.2	69.7	68.9	69.7	72.7	75.0	74.3
35°	490.2	486.4	356.1	77.3	66.7	63.6	62.1	62.9	65.2	67.4	66.7
37.5°	516.7	520.5	321.2	67.4	62.1	58.3	55.3	55.3	56.1	58.3	59.1
40°	547.8	557.6	280.3	62.9	59.1	54.6	51.5	47.7	47.0	46.2	47.0
42.5°	604.6	616.0	234.1	59.9	54.6	49.2	44.7	40.2	36.4	34.1	34.1
45°	684.2	675.1	173.5	56.8	52.3	44.7	37.9	32.6	27.3	25.0	25.0
47.5°	794.0	763.0	119.0	53.8	48.5	39.4	31.8	25.0	20.5	18.2	18.2
50°	946.3	844.0	77.3	50.8	46.2	34.1	25.8	18.2	15.2	14.4	15.2
52.5°	1090.3	926.6	61.4	47.0	41.7	29.5	19.7	15.2	13.6	12.9	12.9
55°	1222.9	968.3	54.6	43.2	37.9	24.2	16.7	12.9	12.1	11.4	11.4
57.5°	1335.0	982.7	47.0	37.9	30.3	18.9	13.6	11.4	9.8	9.1	9.1
60°	1432.0	986.5	36.4	30.3	22.0	14.4	11.4	9.8	8.3	6.8	6.8
62.5°	1509.3	960.0	25.8	21.2	15.2	11.4	9.8	6.8	4.5	3.0	2.3
65°	1570.6	906.9	17.4	14.4	9.8	8.3	6.1	3.0	0.8	0.0	0.0
67.5°	1498.7	786.5	13.6	10.6	6.8	5.3	3.0	0.8	0.0	0.0	0.0
70°	1222.1	609.9	9.8	6.8	4.5	1.5	0.8	0.0	0.0	0.0	0.0
72.5°	831.9	393.2	7.6	4.5	2.3	0.8	0.0	0.0	0.0	0.0	0.0
75°	373.5	140.9	5.3	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	90.9	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)