

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: P676522

Luminaire Tested: **CCW-SA-1E-722-U-T4FT-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676522  
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-T4FT-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
T4FT distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

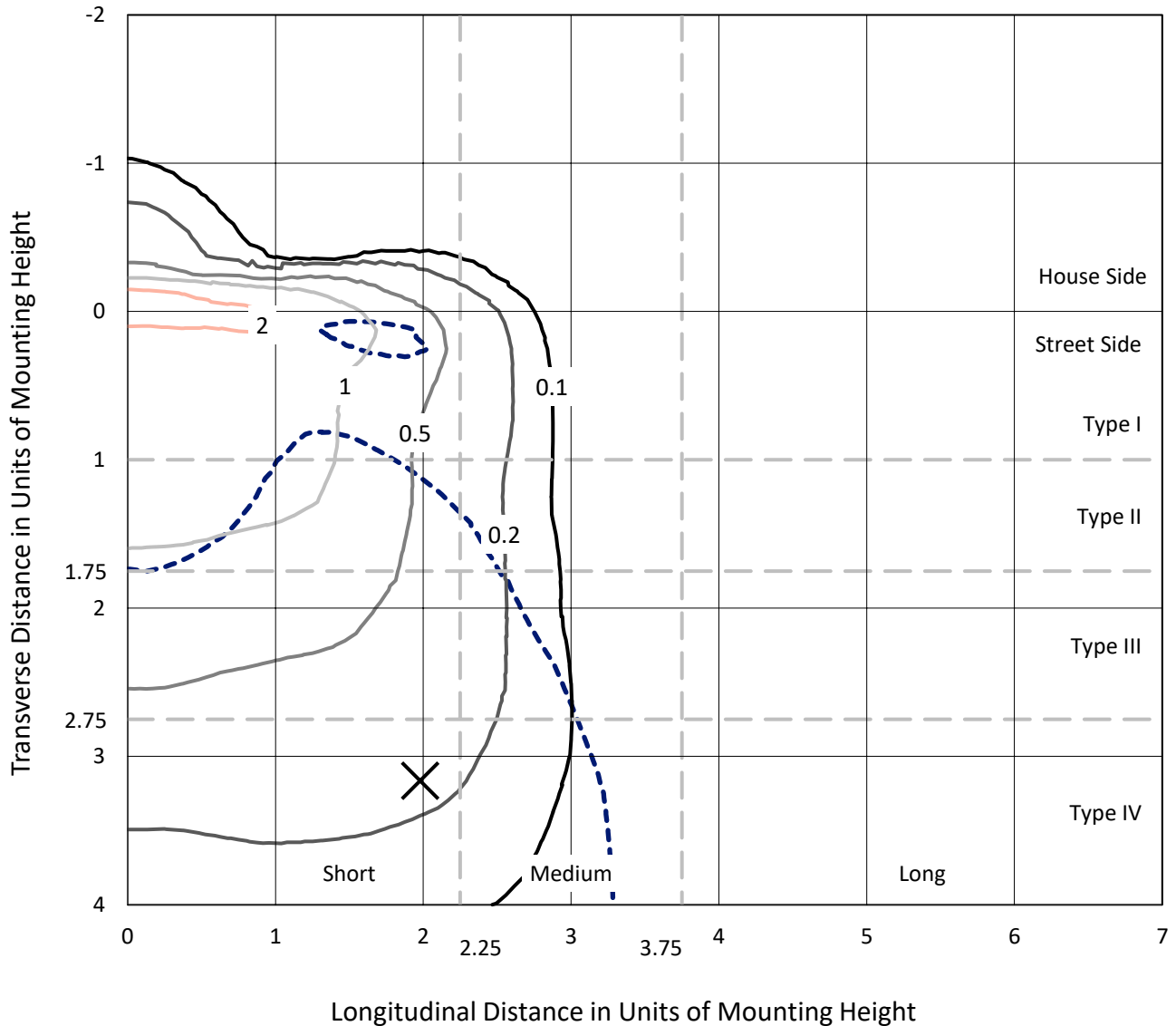
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3616.2 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 56.1  
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

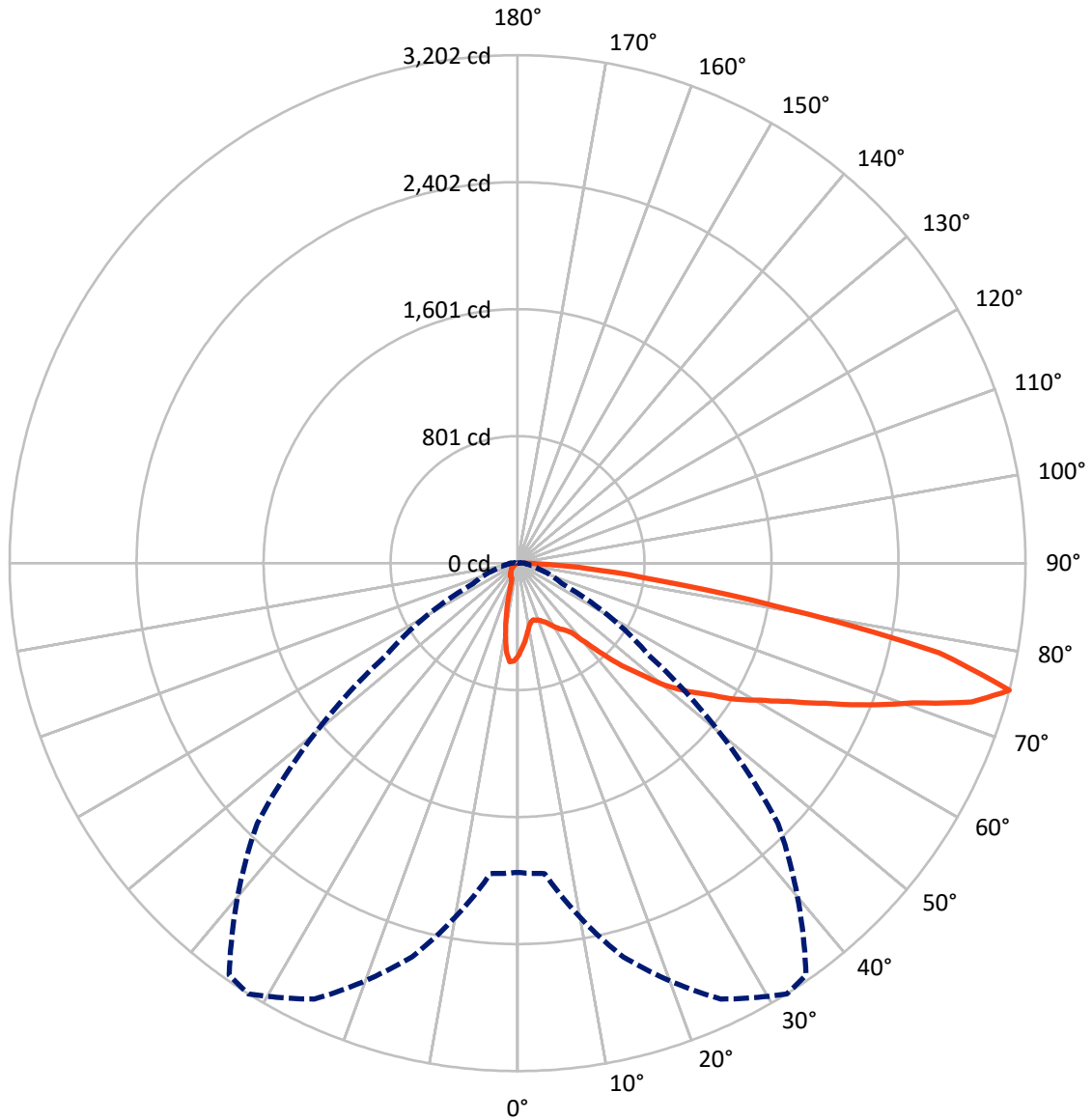
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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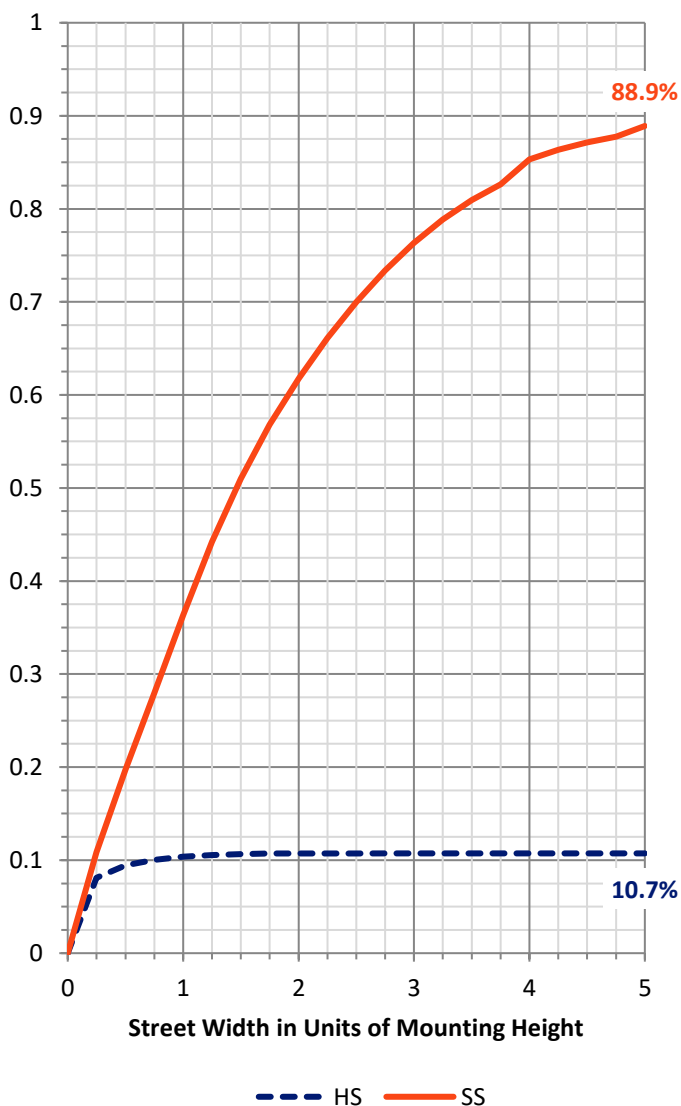
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	390.7	0.0	390.7
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	3225.5	0.0	3225.5
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	3616.2	0.0	3616.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	1.4
10°-20°	116.5	3.2
20°-30°	174.4	4.8
30°-40°	267.7	7.4
40°-50°	468.2	12.9
50°-60°	731.9	20.2
60°-70°	946.2	26.2
70°-80°	770.7	21.3
80°-90°	89.2	2.5
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°	3616.2	100.0
0°-180°	3616.2	100.0



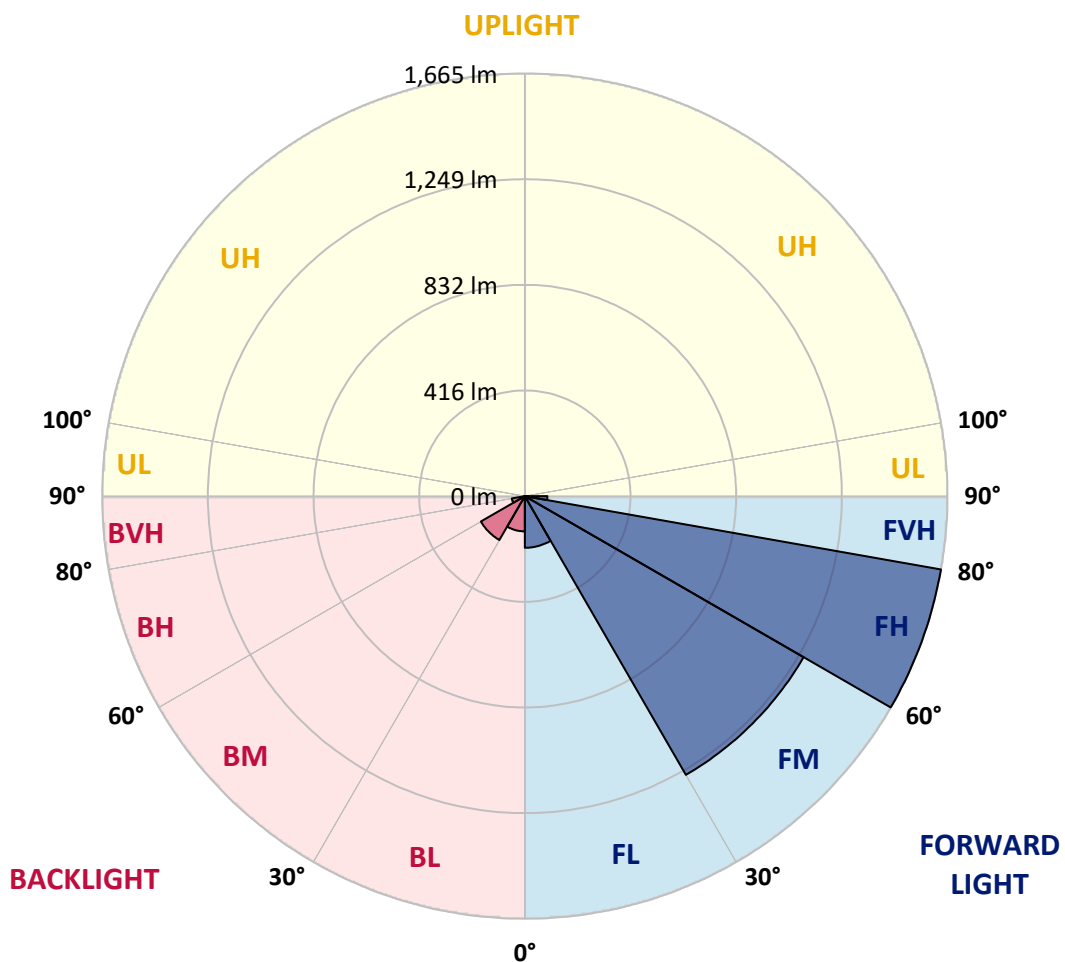
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.5	5.6			
FM (30°-60°)	1268.0	35.1			
FH (60°-80°)	1664.9	46.0			G1/1800
FVH (80°-90°)	89.1	2.5			G1/100
BL (0°-30°)	138.8	3.8	B1/500		
BM (30°-60°)	199.9	5.5	B0/220		
BH (60°-80°)	52.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9
2.5°	523.7	531.1	530.1	534.8	535.7	538.5	545.0	545.0	563.5	576.5	584.8
5°	476.4	471.8	473.6	479.2	493.1	492.1	507.9	516.2	538.5	557.0	576.5
7.5°	418.0	417.1	420.8	433.8	444.0	452.3	469.0	490.3	520.0	547.8	582.1
10°	380.9	379.1	386.5	390.2	402.2	407.8	433.8	467.1	502.3	542.2	582.1
12.5°	372.6	366.1	369.8	368.9	380.0	382.8	407.8	448.6	491.2	540.3	589.5
15°	377.2	372.6	368.9	368.9	371.7	373.5	400.4	436.5	484.7	543.1	606.1
17.5°	392.0	389.3	378.1	367.0	379.1	379.1	395.8	433.8	485.7	551.5	626.5
20°	409.7	406.9	387.4	374.4	382.8	392.0	409.7	440.2	488.4	558.0	658.1
22.5°	429.1	429.1	402.2	387.4	398.5	399.5	431.0	460.6	499.6	574.6	678.4
25°	453.2	451.4	425.4	408.7	412.4	422.6	451.4	482.9	520.0	597.8	716.4
27.5°	484.7	482.0	451.4	434.7	439.3	450.4	482.9	514.4	538.5	607.1	748.9
30°	510.7	507.9	482.9	457.9	468.1	478.2	516.2	544.1	561.7	624.7	786.0
32.5°	516.2	511.6	494.9	483.8	494.9	514.4	544.1	572.8	599.7	669.2	856.4
35°	580.2	563.5	520.0	502.3	519.0	525.5	574.6	625.6	651.6	704.4	935.2
37.5°	702.5	686.8	629.3	580.2	557.0	564.4	628.4	691.4	716.4	770.2	1021.4
40°	852.7	826.7	765.6	699.8	652.5	643.2	684.9	777.6	801.7	852.7	1134.4
42.5°	1024.1	999.1	904.6	826.7	778.5	766.5	773.0	877.7	898.1	928.7	1208.6
45°	1147.4	1134.4	1027.9	958.3	920.3	907.4	891.6	987.1	1013.0	1023.2	1316.1
47.5°	1218.8	1209.5	1150.2	1102.9	1052.0	1038.1	1048.2	1139.1	1121.5	1129.8	1419.0
50°	1314.2	1290.2	1209.5	1224.3	1214.1	1210.4	1228.1	1267.9	1242.0	1217.9	1531.1
52.5°	1391.2	1348.5	1292.0	1328.2	1343.9	1357.8	1419.9	1449.6	1333.7	1296.6	1603.4
55°	1438.4	1397.7	1412.5	1445.9	1462.5	1526.5	1599.7	1577.5	1394.0	1359.7	1699.8
57.5°	1481.1	1483.9	1523.7	1533.9	1619.2	1630.3	1771.2	1698.9	1436.6	1417.1	1737.8
60°	1584.0	1573.8	1606.2	1672.0	1753.6	1815.7	1950.1	1780.4	1457.9	1446.8	1727.6
62.5°	1769.3	1706.3	1717.4	1800.8	1920.4	1988.1	2052.9	1817.5	1452.3	1451.4	1697.0
65°	2004.7	1932.4	1899.1	1976.9	2131.7	2227.2	2168.8	1859.2	1415.3	1441.2	1583.0
67.5°	2200.3	2201.2	2139.1	2182.7	2384.7	2405.1	2278.2	1850.9	1353.2	1360.6	1305.0
70°	2425.5	2456.1	2401.4	2537.7	2638.7	2651.7	2403.3	1782.3	1219.7	1026.0	749.8
72.5°	2483.0	2498.7	2669.3	2878.7	2992.7	2996.4	2526.5	1553.4	802.6	453.2	232.6
75°	1950.1	1964.9	2569.2	3032.6	3202.2	3169.8	2320.8	1008.4	312.3	132.5	55.6
77.5°	1088.1	1092.7	1595.1	2451.5	2716.5	2585.9	1625.7	393.0	126.0	76.0	26.0
80°	297.5	349.4	591.3	1208.6	1659.0	1628.4	773.9	127.9	81.6	59.3	12.0
82.5°	71.4	76.9	190.0	534.8	876.8	914.8	230.8	64.9	56.5	49.1	6.5
85°	26.0	28.7	58.4	260.4	450.4	413.4	69.5	32.4	41.7	38.0	2.8
87.5°	9.3	9.3	18.5	85.3	131.6	99.2	23.2	11.1	21.3	23.2	0.9
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°	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9	583.9
2.5°	585.8	585.8	598.7	609.9	613.6	618.2	613.6	623.8	622.8	618.2	620.1
5°	586.7	603.4	614.5	621.9	625.6	624.7	626.5	615.4	608.9	604.3	599.7
7.5°	591.3	607.1	627.5	625.6	615.4	594.1	577.4	547.8	519.0	518.1	513.5
10°	607.1	621.0	633.0	625.6	588.5	523.7	470.8	431.0	394.8	378.1	380.0
12.5°	618.2	644.1	638.6	600.6	523.7	438.4	360.5	302.1	269.7	239.1	239.1
15°	641.4	650.6	648.8	564.4	444.0	342.0	247.5	188.1	153.9	140.0	138.1
17.5°	663.6	673.8	642.3	509.8	365.2	229.9	150.1	116.8	112.1	110.3	111.2
20°	691.4	692.3	636.7	455.1	274.3	145.5	107.5	104.7	105.7	104.7	104.7
22.5°	721.1	727.6	617.3	378.1	182.6	105.7	100.1	101.0	101.0	101.0	103.8
25°	760.0	749.8	586.7	304.9	119.6	97.3	97.3	98.2	98.2	98.2	99.2
27.5°	786.0	772.1	547.8	219.7	93.6	91.8	93.6	93.6	95.5	95.5	95.5
30°	839.7	803.6	498.6	141.8	84.3	87.1	89.0	90.8	91.8	93.6	94.5
32.5°	881.4	831.4	437.5	94.5	76.9	78.8	83.4	87.1	90.8	89.9	89.9
35°	957.4	876.8	380.9	75.1	70.4	70.4	75.1	81.6	87.1	89.0	89.0
37.5°	1044.5	913.9	302.1	68.6	64.9	64.9	67.7	75.1	82.5	86.2	84.3
40°	1116.8	956.5	223.4	64.0	60.2	60.2	62.1	67.7	76.0	82.5	83.4
42.5°	1167.8	988.0	151.1	59.3	56.5	55.6	58.4	61.2	67.7	76.9	78.8
45°	1214.1	1004.7	93.6	54.7	52.8	52.8	52.8	55.6	60.2	68.6	70.4
47.5°	1296.6	1023.2	67.7	51.0	48.2	49.1	50.0	51.0	54.7	56.5	57.5
50°	1366.2	1037.1	55.6	47.3	45.4	46.3	46.3	46.3	48.2	45.4	45.4
52.5°	1419.0	1023.2	47.3	43.6	41.7	42.6	41.7	41.7	39.9	36.1	36.1
55°	1457.9	998.2	38.0	39.9	39.9	39.9	38.0	35.2	31.5	28.7	28.7
57.5°	1468.1	955.6	29.7	33.4	36.1	36.1	32.4	28.7	24.1	21.3	20.4
60°	1452.3	862.9	22.2	24.1	27.8	28.7	26.0	21.3	16.7	13.9	13.9
62.5°	1395.8	789.7	17.6	15.8	20.4	21.3	18.5	13.9	9.3	6.5	5.6
65°	1288.3	676.6	13.0	11.1	13.9	14.8	12.0	6.5	2.8	0.9	0.0
67.5°	1033.4	509.8	8.3	7.4	9.3	9.3	5.6	1.9	0.0	0.0	0.0
70°	571.9	286.4	5.6	3.7	4.6	2.8	0.9	0.0	0.0	0.0	0.0
72.5°	165.0	81.6	2.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	44.5	19.5	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	19.5	7.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	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)