

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: P676697

Luminaire Tested: **CCW-SA-1C-735-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676697
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3217.3 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

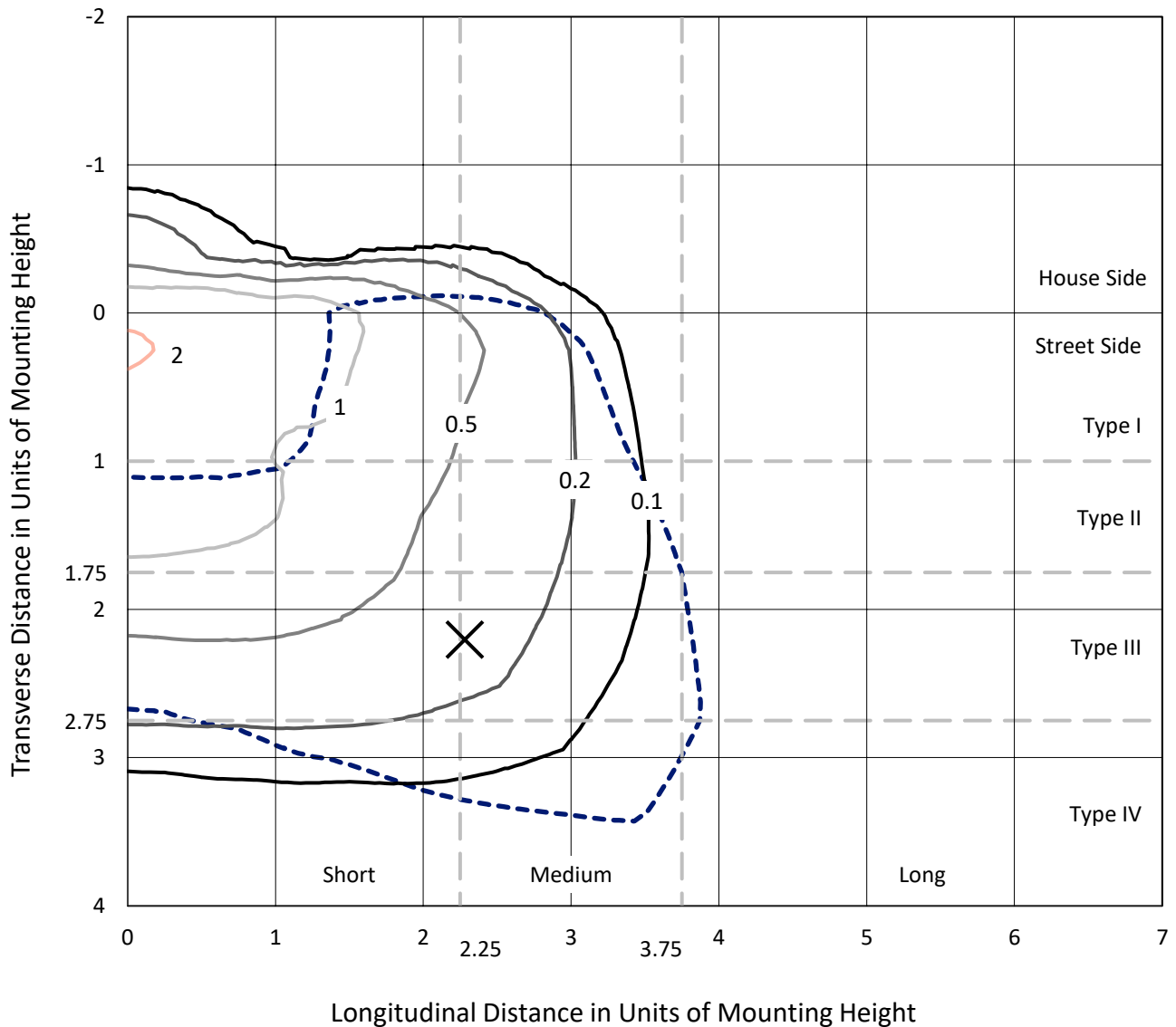
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

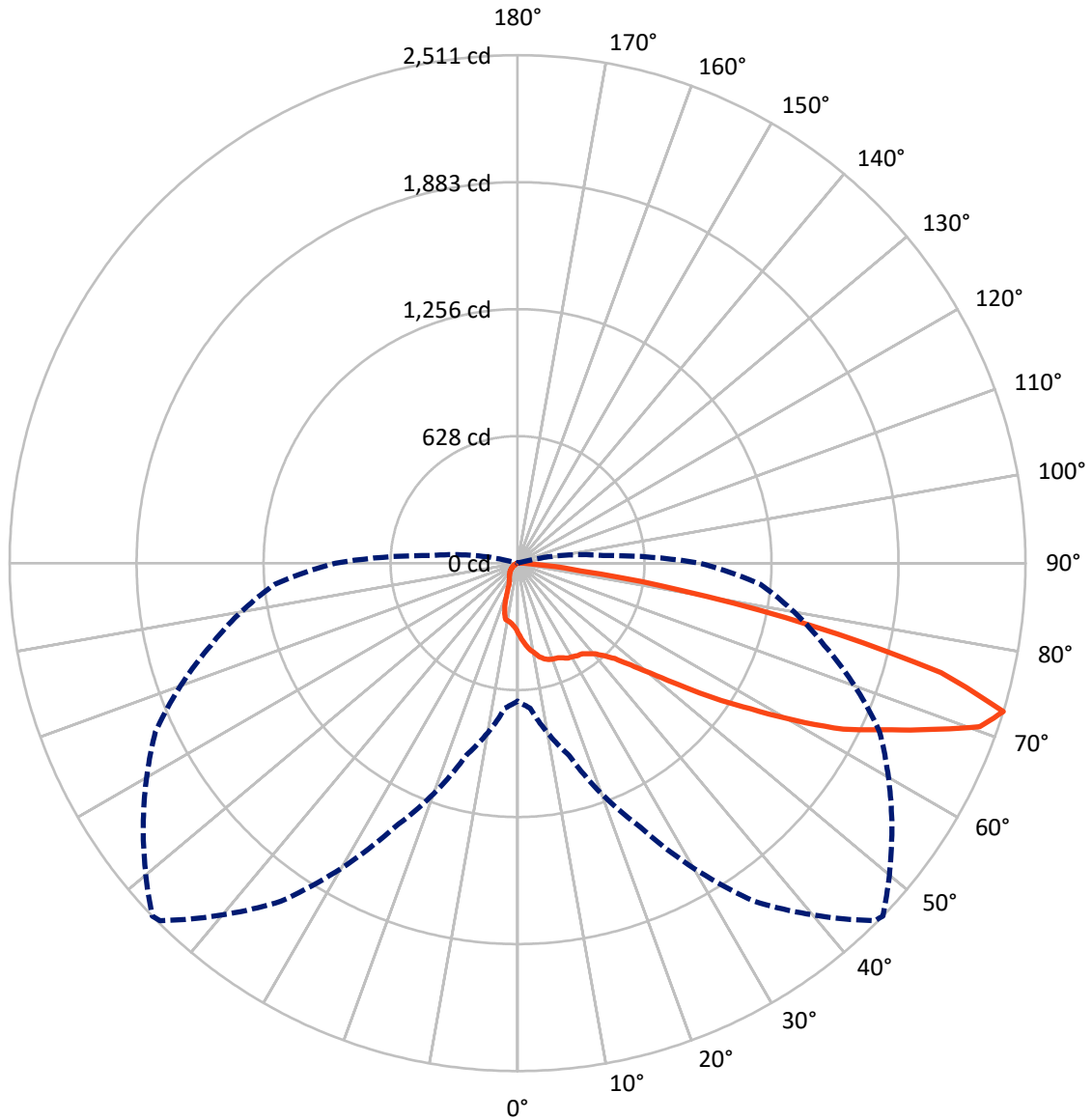
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 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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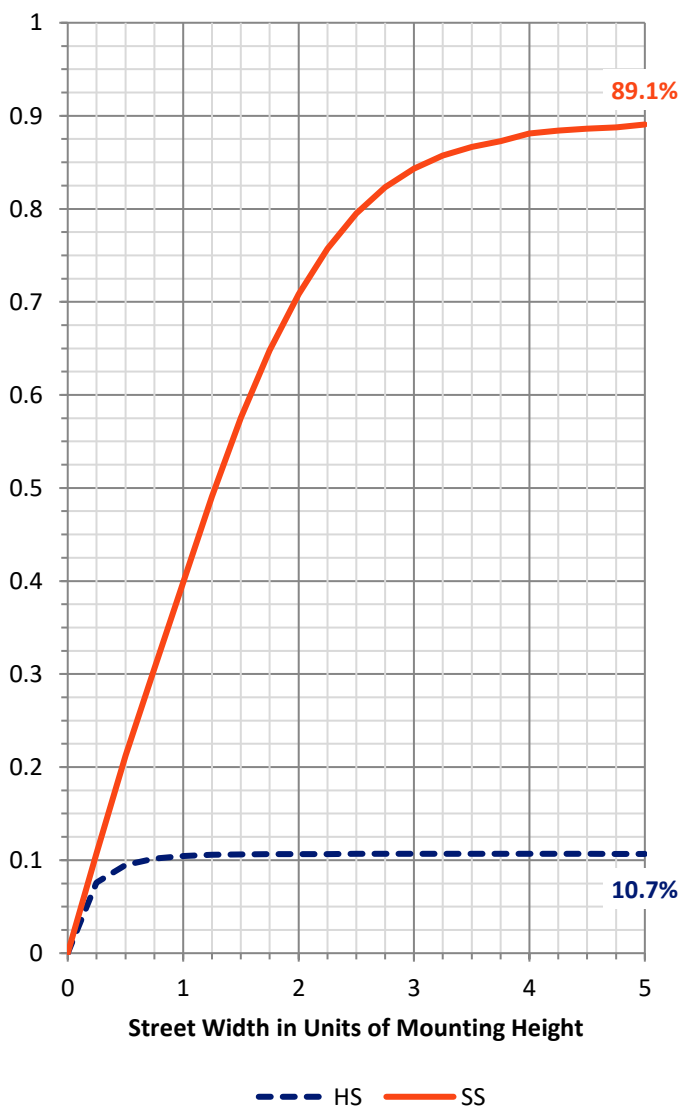
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.4	0.0	346.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2870.9	0.0	2870.9
	% Fixture	89.2	0.0	89.2
Total	Lumens	3217.3	0.0	3217.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	1.1
10°-20°	103.9	3.2
20°-30°	162.7	5.1
30°-40°	227.8	7.1
40°-50°	375.6	11.7
50°-60°	675.2	21.0
60°-70°	978.6	30.4
70°-80°	610.7	19.0
80°-90°	48.4	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°	3217.3	100.0
0°-180°	3217.3	100.0

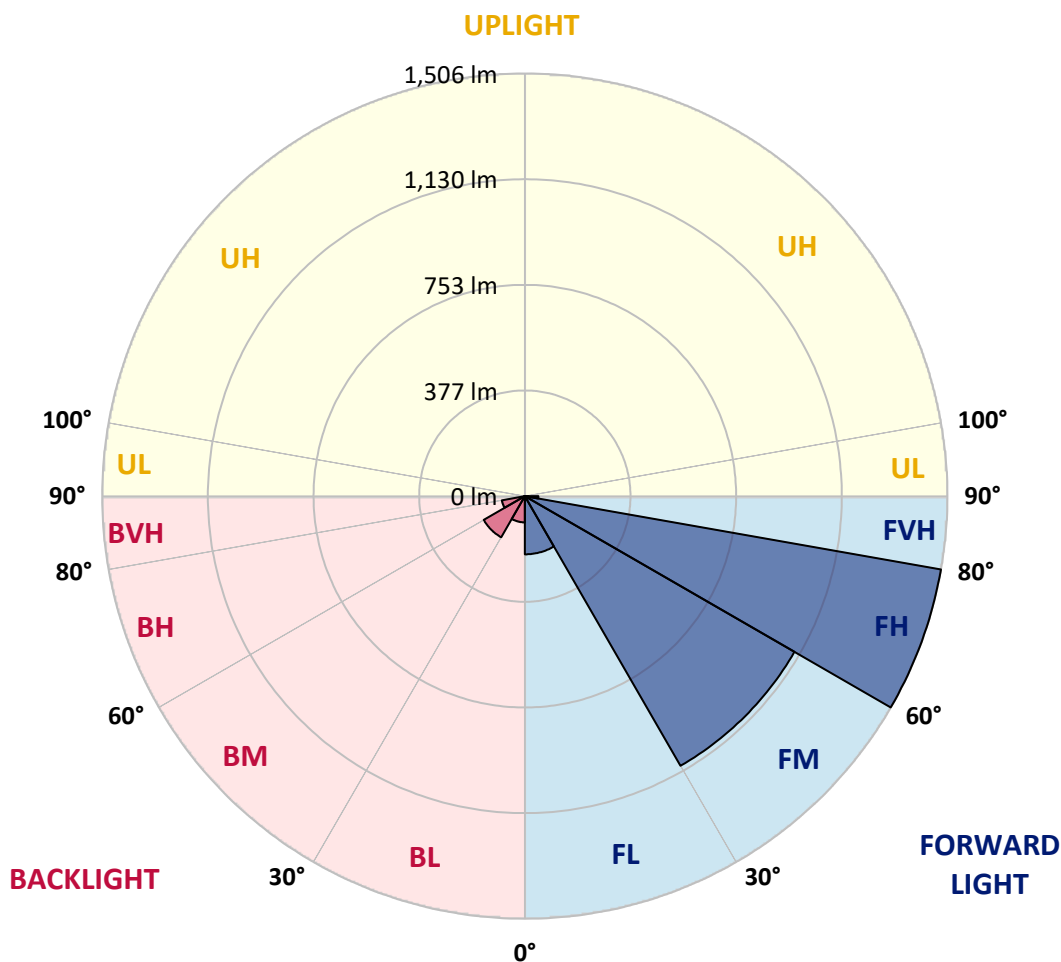


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.4	6.4			
FM (30°-60°)	1109.4	34.5			
FH (60°-80°)	1506.0	46.8			G1/1800
FVH (80°-90°)	48.2	1.5			G1/100
BL (0°-30°)	93.6	2.9	B0/110		
BM (30°-60°)	169.2	5.3	B0/220		
BH (60°-80°)	83.3	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°	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9
2.5°	384.9	383.2	385.7	384.9	375.0	376.7	375.9	369.3	357.8	351.2	347.1
5°	429.2	433.3	430.0	422.6	416.9	405.4	403.8	393.1	375.0	363.5	351.2
7.5°	475.2	475.2	468.6	457.1	444.8	432.5	430.8	412.8	397.2	377.5	360.3
10°	509.6	505.5	500.6	488.3	474.3	457.9	449.7	436.6	419.4	395.6	373.4
12.5°	540.0	533.4	525.2	507.2	490.7	472.7	474.3	453.0	441.5	420.2	387.3
15°	557.2	551.5	544.1	527.7	502.2	494.0	490.7	477.6	457.1	435.8	404.6
17.5°	561.3	557.2	547.4	526.0	512.1	502.2	501.4	485.8	476.8	458.7	424.3
20°	553.1	545.7	538.3	524.4	511.3	508.0	505.5	505.5	494.0	470.2	436.6
22.5°	539.2	531.0	526.9	518.7	508.0	507.2	508.8	507.2	498.1	482.5	449.7
25°	528.5	524.4	517.8	515.4	508.8	521.1	518.7	516.2	513.7	495.7	470.2
27.5°	531.8	531.0	526.0	516.2	511.3	524.4	531.8	532.6	531.8	513.7	489.1
30°	533.4	529.3	524.4	521.9	523.6	536.7	536.7	554.8	547.4	529.3	508.0
32.5°	552.3	549.8	533.4	527.7	528.5	544.1	544.9	563.0	560.5	548.2	524.4
35°	592.5	576.1	552.3	535.9	535.9	556.4	549.8	576.1	582.7	563.0	535.9
37.5°	652.4	640.1	597.4	560.5	546.6	561.3	567.9	582.7	602.4	585.1	558.9
40°	771.4	768.9	708.2	628.6	573.6	586.8	589.2	612.2	625.3	601.5	594.2
42.5°	945.4	933.1	876.5	750.9	622.9	617.1	626.2	640.9	672.1	652.4	634.4
45°	1115.3	1109.5	1052.9	912.6	712.3	677.9	672.9	699.2	745.2	723.8	709.9
47.5°	1238.4	1226.9	1194.9	1076.7	843.6	749.3	752.5	778.8	837.1	820.6	824.8
50°	1332.7	1327.0	1293.3	1228.5	1009.4	861.7	855.1	881.4	960.2	970.8	982.3
52.5°	1436.1	1446.8	1401.7	1346.7	1205.5	1012.7	997.9	1006.9	1108.7	1133.3	1165.3
55°	1535.4	1552.7	1507.5	1500.1	1410.7	1180.1	1177.6	1156.3	1287.6	1290.9	1308.1
57.5°	1600.3	1594.5	1591.2	1631.5	1615.9	1372.1	1359.8	1338.5	1457.5	1436.1	1487.8
60°	1605.2	1621.6	1676.6	1775.9	1803.8	1597.8	1579.8	1521.5	1604.4	1553.5	1652.0
62.5°	1642.1	1655.3	1757.0	1894.1	1930.2	1796.4	1808.7	1661.0	1729.9	1689.7	1834.2
65°	1548.6	1589.6	1793.9	1986.0	2095.9	1997.5	1985.2	1840.7	1858.8	1821.0	2013.9
67.5°	1464.0	1479.6	1693.0	2013.9	2227.2	2199.3	2194.4	1999.9	1991.7	1922.0	2064.8
70°	1189.9	1208.8	1419.7	1871.1	2271.6	2434.9	2423.4	2223.1	2082.0	1867.0	1803.8
72.5°	682.0	719.7	984.0	1441.1	2041.0	2500.5	2511.2	2259.2	1975.3	1569.9	1204.7
75°	223.2	233.9	408.7	816.5	1526.4	2181.3	2162.4	1941.7	1593.7	1036.5	544.1
77.5°	75.5	77.1	120.6	295.4	846.1	1473.9	1484.6	1387.7	979.0	430.8	150.2
80°	38.6	41.0	59.1	110.8	348.0	802.6	819.8	791.1	410.3	127.2	36.1
82.5°	18.1	18.9	34.5	61.5	159.2	315.1	315.1	346.3	145.3	71.4	14.8
85°	6.6	6.6	18.1	35.3	67.3	105.0	105.9	106.7	76.3	53.3	6.6
87.5°	2.5	2.5	9.0	14.8	24.6	32.0	32.0	25.4	38.6	35.3	2.5
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°	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9
2.5°	345.5	340.6	336.5	330.7	323.3	319.2	320.1	315.1	315.1	312.7	311.8
5°	345.5	340.6	329.9	320.1	313.5	305.3	301.2	297.9	297.9	296.3	297.1
7.5°	348.0	340.6	325.8	312.7	302.0	293.8	287.2	286.4	284.8	280.7	283.9
10°	362.7	352.1	327.4	309.4	297.1	288.0	276.6	273.3	268.4	261.0	261.8
12.5°	375.0	361.1	338.9	314.3	298.7	283.9	257.7	229.0	216.7	203.5	204.3
15°	393.1	373.4	343.0	320.9	298.7	251.1	203.5	166.6	146.9	137.0	137.0
17.5°	402.9	386.5	354.5	325.0	274.9	204.3	144.4	112.4	109.1	110.8	110.8
20°	423.5	401.3	367.7	328.3	235.5	145.3	105.9	102.6	104.2	107.5	106.7
22.5°	436.6	414.4	377.5	313.5	182.2	104.2	99.3	97.7	99.3	103.4	103.4
25°	447.3	433.3	393.1	277.4	128.8	94.4	92.7	94.4	96.0	97.7	100.1
27.5°	473.5	449.7	403.8	230.6	92.7	87.8	89.5	90.3	90.3	92.7	93.6
30°	490.7	471.9	412.0	178.1	82.1	81.2	82.9	83.7	84.5	87.0	87.8
32.5°	507.2	500.6	401.3	120.6	77.1	75.5	74.7	75.5	78.8	81.2	80.4
35°	531.0	526.9	385.7	83.7	72.2	68.9	67.3	68.1	70.6	73.0	72.2
37.5°	559.7	563.8	348.0	73.0	67.3	63.2	59.9	59.9	60.7	63.2	64.0
40°	593.3	604.0	303.6	68.1	64.0	59.1	55.8	51.7	50.9	50.1	50.9
42.5°	654.9	667.2	253.6	64.8	59.1	53.3	48.4	43.5	39.4	36.9	36.9
45°	741.0	731.2	187.9	61.5	56.6	48.4	41.0	35.3	29.5	27.1	27.1
47.5°	860.0	826.4	128.8	58.3	52.5	42.7	34.5	27.1	22.2	19.7	19.7
50°	1025.0	914.2	83.7	55.0	50.1	36.9	27.9	19.7	16.4	15.6	16.4
52.5°	1180.9	1003.7	66.5	50.9	45.1	32.0	21.3	16.4	14.8	14.0	14.0
55°	1324.5	1048.8	59.1	46.8	41.0	26.3	18.1	14.0	13.1	12.3	12.3
57.5°	1446.0	1064.4	50.9	41.0	32.8	20.5	14.8	12.3	10.7	9.8	9.8
60°	1551.0	1068.5	39.4	32.8	23.8	15.6	12.3	10.7	9.0	7.4	7.4
62.5°	1634.7	1039.8	27.9	23.0	16.4	12.3	10.7	7.4	4.9	3.3	2.5
65°	1701.2	982.3	18.9	15.6	10.7	9.0	6.6	3.3	0.8	0.0	0.0
67.5°	1623.2	851.8	14.8	11.5	7.4	5.7	3.3	0.8	0.0	0.0	0.0
70°	1323.7	660.6	10.7	7.4	4.9	1.6	0.8	0.0	0.0	0.0	0.0
72.5°	901.1	425.9	8.2	4.9	2.5	0.8	0.0	0.0	0.0	0.0	0.0
75°	404.6	152.6	5.7	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	98.5	36.1	4.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.3	9.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.8	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	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)