

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: P675656

Luminaire Tested: **CCW-SA-1C-722-U-SL4**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675656
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

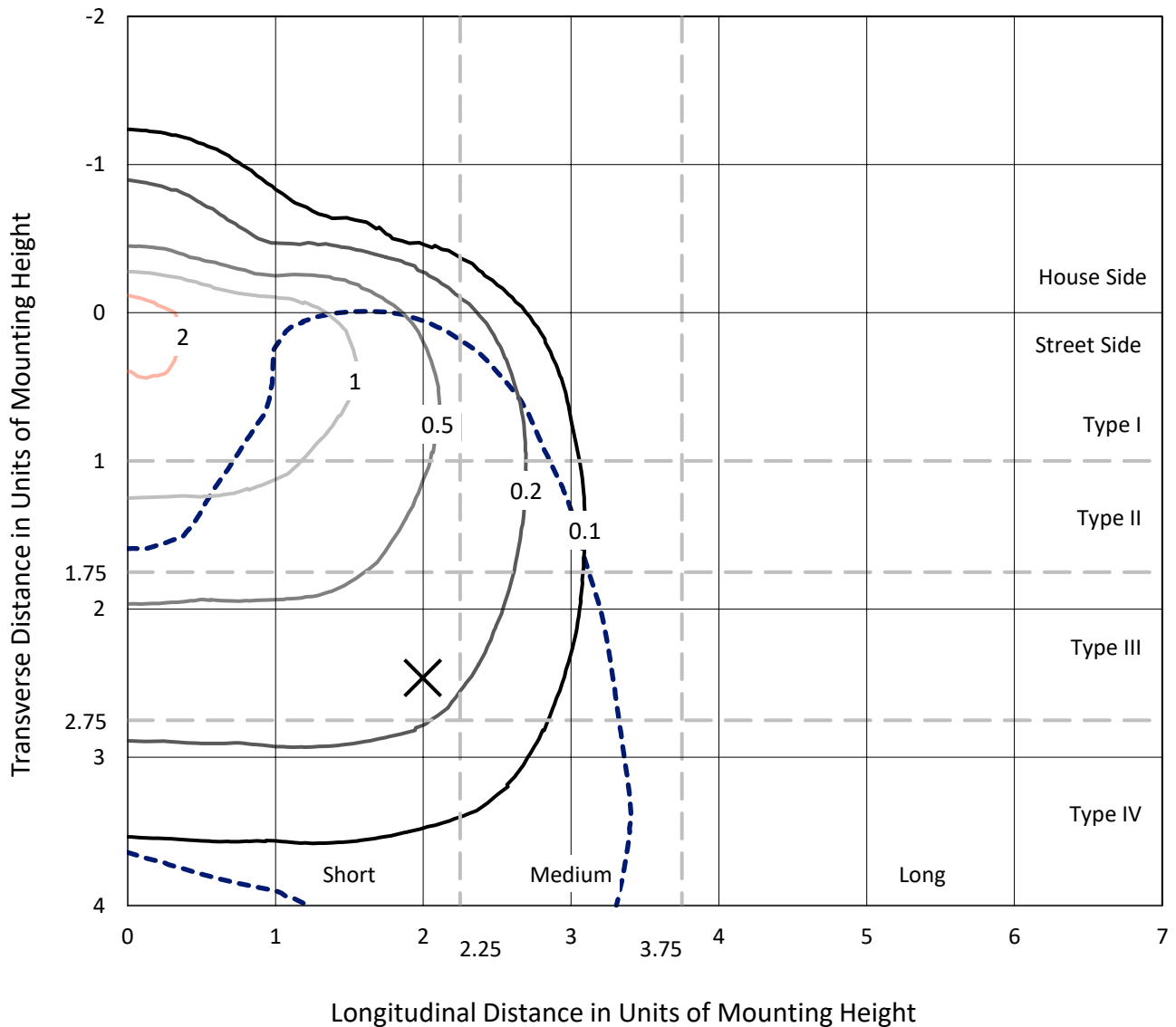
Lumens per Lamp: N/A
Luminaire Lumens: 3263.5 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

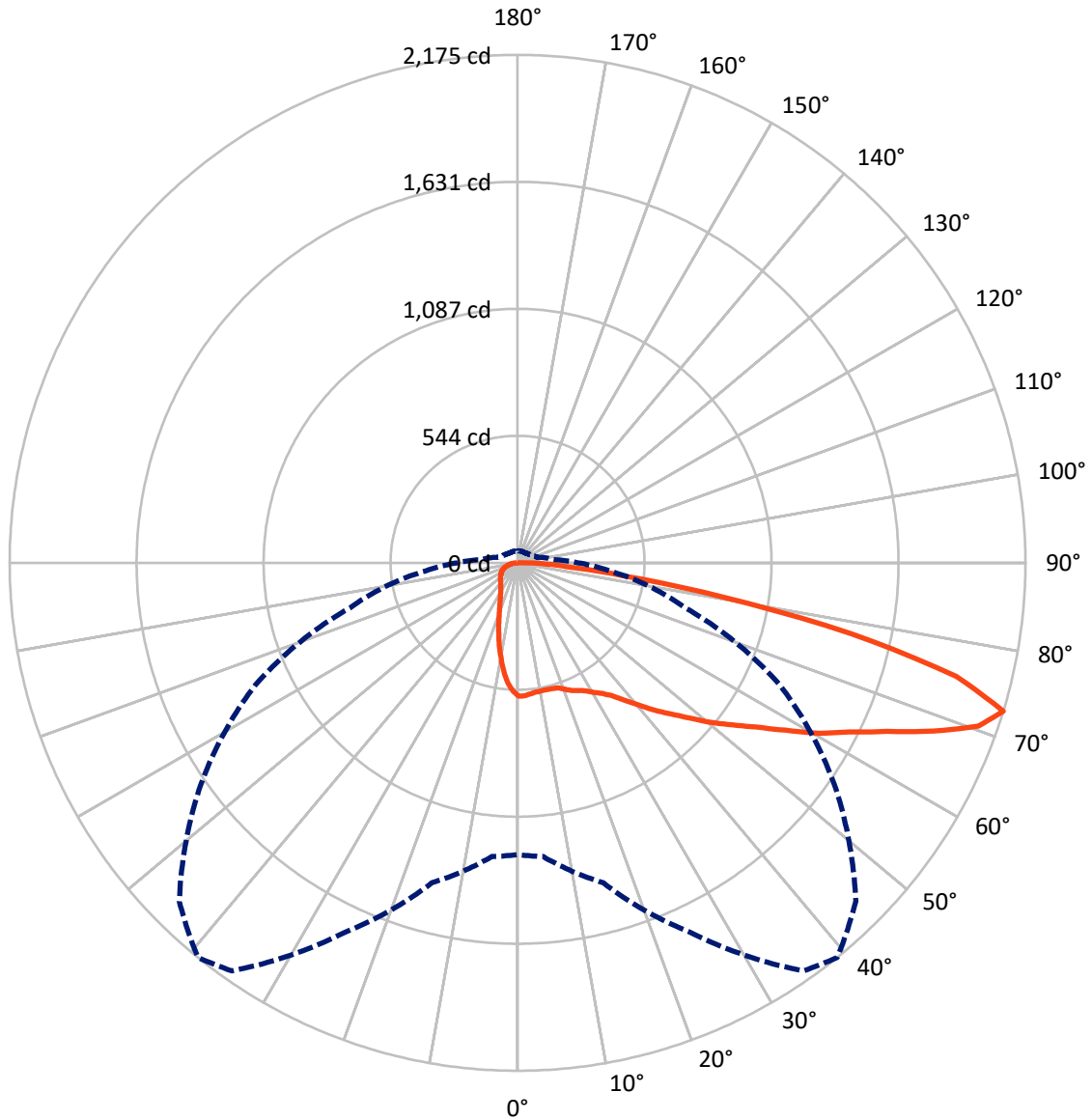
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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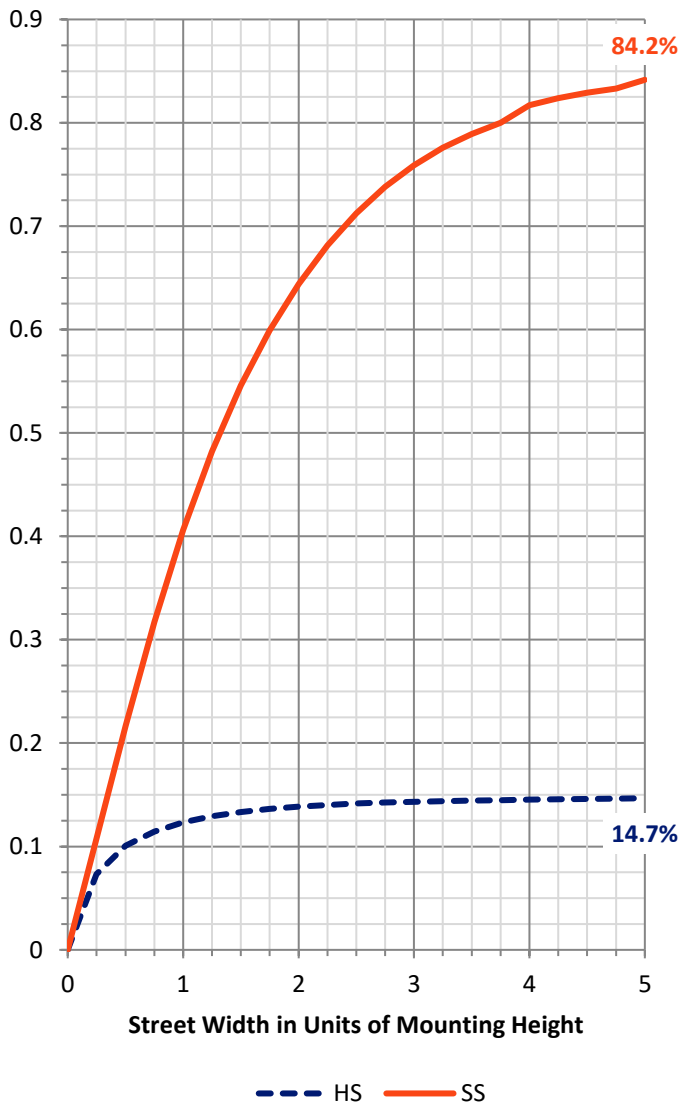
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.0	0.0	485.0
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	2778.5	0.0	2778.5
	% Fixture	85.1	0.0	85.1
Total	Lumens	3263.5	0.0	3263.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.5
10°-20°	128.8	3.9
20°-30°	196.3	6.0
30°-40°	287.1	8.8
40°-50°	439.6	13.5
50°-60°	644.7	19.8
60°-70°	822.2	25.2
70°-80°	594.1	18.2
80°-90°	100.2	3.1
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°	3263.5	100.0
0°-180°	3263.5	100.0

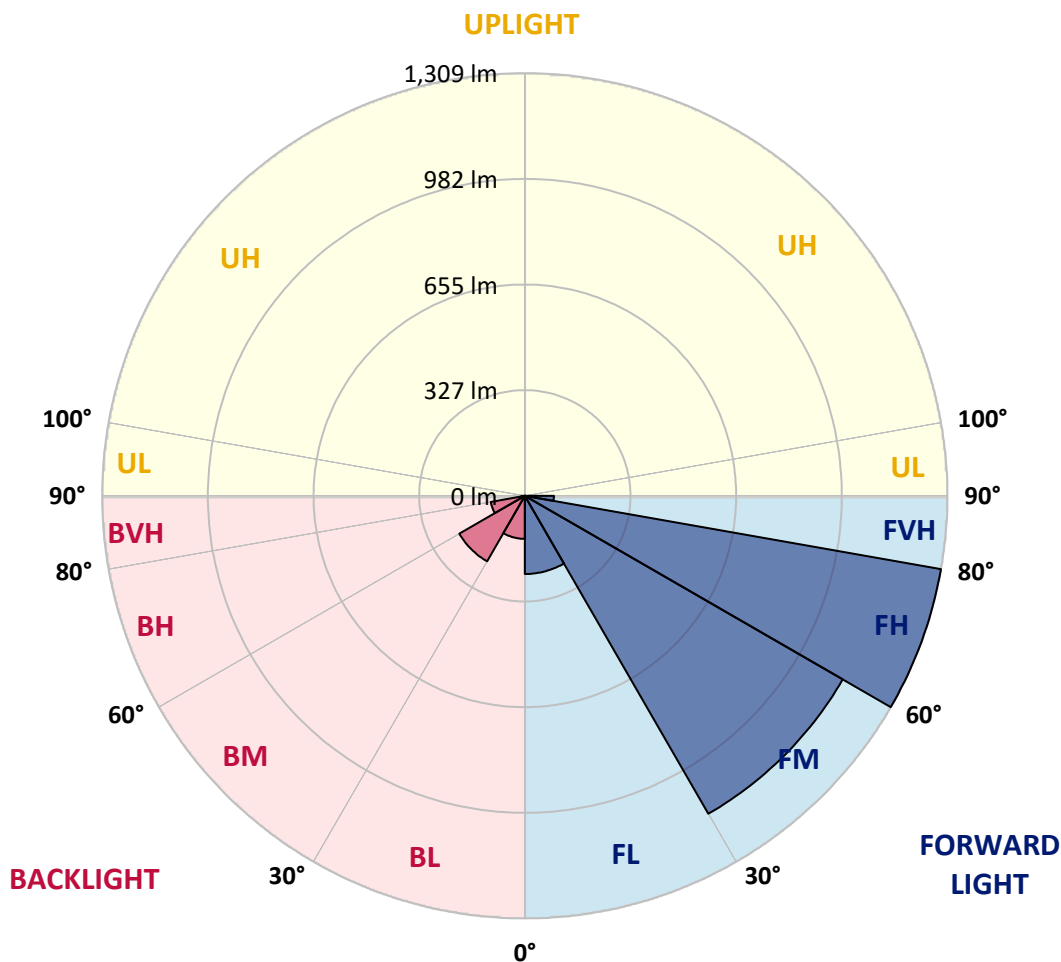


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.2	7.4			
FM (30°-60°)	1137.1	34.8			
FH (60°-80°)	1309.1	40.1			G1/1800
FVH (80°-90°)	90.1	2.8			G1/100
BL (0°-30°)	133.4	4.1	B1/500		
BM (30°-60°)	234.3	7.2	B1/1000		
BH (60°-80°)	107.2	3.3	B0/110		G0/110
BVH (80°-90°)	10.2	0.3			G1/100
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°	35°	39°	45°	55°	65°	75°	85°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	579.8	581.1	578.6	576.2	574.9	570.0	574.9	572.5	570.0	570.0	570.0
5°	572.5	573.7	573.7	571.3	572.5	563.9	562.7	563.9	560.2	557.8	556.5
7.5°	561.4	563.9	568.8	567.6	562.7	559.0	560.2	559.0	552.9	549.2	539.4
10°	552.9	555.3	557.8	560.2	559.0	557.8	556.5	551.6	550.4	541.8	532.0
12.5°	544.3	544.3	545.5	555.3	556.5	556.5	549.2	549.2	545.5	544.3	529.6
15°	535.7	539.4	549.2	551.6	556.5	559.0	555.3	555.3	549.2	540.6	529.6
17.5°	538.2	544.3	554.1	560.2	562.7	562.7	567.6	563.9	555.3	550.4	539.4
20°	550.4	551.6	563.9	574.9	577.4	577.4	572.5	568.8	562.7	554.1	539.4
22.5°	557.8	566.4	581.1	587.2	594.5	594.5	588.4	579.8	571.3	562.7	546.7
25°	589.6	590.9	597.0	606.8	610.5	605.6	599.5	589.6	578.6	570.0	555.3
27.5°	611.7	617.8	625.2	630.1	624.0	620.3	615.4	604.4	595.8	588.4	567.6
30°	652.2	644.8	649.7	652.2	641.1	643.6	630.1	620.3	610.5	610.5	587.2
32.5°	676.7	682.8	677.9	676.7	668.1	666.9	658.3	647.3	641.1	648.5	616.6
35°	719.6	715.9	715.9	714.7	704.9	698.7	698.7	679.1	685.3	701.2	662.0
37.5°	741.7	740.4	747.8	753.9	744.1	747.8	744.1	735.5	738.0	766.2	718.4
40°	763.7	772.3	787.0	789.5	795.6	800.5	798.0	796.8	806.6	852.0	794.4
42.5°	784.6	791.9	814.0	833.6	848.3	864.2	865.5	865.5	897.3	962.3	886.3
45°	811.5	817.7	848.3	887.5	912.0	923.1	932.9	943.9	986.8	1064.1	984.4
47.5°	848.3	853.2	890.0	939.0	986.8	993.0	1012.6	1024.8	1089.8	1168.3	1084.9
50°	901.0	897.3	926.8	997.9	1044.4	1073.9	1102.1	1124.1	1187.9	1273.7	1163.4
52.5°	943.9	943.9	966.0	1060.4	1124.1	1152.3	1181.7	1212.4	1285.9	1379.1	1227.1
55°	1017.5	1010.1	1023.6	1121.7	1213.6	1240.6	1297.0	1322.7	1393.8	1457.6	1281.0
57.5°	1067.7	1071.4	1087.3	1202.6	1319.0	1352.1	1408.5	1426.9	1489.4	1539.7	1320.3
60°	1133.9	1121.7	1156.0	1292.1	1435.5	1482.1	1528.7	1539.7	1586.3	1592.4	1338.6
62.5°	1197.7	1195.2	1224.6	1381.6	1560.5	1593.6	1641.4	1653.7	1673.3	1634.1	1312.9
65°	1236.9	1252.8	1308.0	1479.6	1702.7	1739.5	1787.3	1762.8	1740.7	1597.3	1186.6
67.5°	1290.8	1298.2	1382.8	1586.3	1867.0	1922.2	1963.8	1867.0	1702.7	1446.5	999.1
70°	1303.1	1322.7	1433.0	1697.8	2036.2	2092.6	2095.0	1831.4	1564.2	1176.8	724.5
72.5°	1249.2	1262.6	1418.3	1744.4	2133.0	2174.7	2048.4	1656.2	1239.4	741.7	394.7
75°	1050.6	1088.6	1234.5	1601.0	1955.3	1939.3	1735.8	1263.9	744.1	328.5	166.7
77.5°	731.8	733.1	885.1	1164.6	1463.7	1460.0	1238.1	733.1	318.7	132.4	98.1
80°	324.9	348.1	440.1	627.6	888.8	888.8	722.0	364.1	159.4	85.8	67.4
82.5°	191.2	198.6	235.4	293.0	432.7	456.0	345.7	242.7	109.1	53.9	41.7
85°	141.0	153.2	175.3	176.5	204.7	208.4	191.2	210.8	74.8	29.4	34.3
87.5°	105.4	112.8	139.7	116.5	109.1	103.0	117.7	215.8	28.2	14.7	11.0
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°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	565.1	565.1	562.7	557.8	557.8	548.0	550.4	552.9	546.7	546.7	548.0
5°	556.5	551.6	545.5	538.2	533.3	519.8	517.3	508.7	507.5	505.1	501.4
7.5°	539.4	532.0	521.0	510.0	494.0	481.8	467.1	454.8	449.9	446.2	445.0
10°	523.4	522.2	503.8	481.8	457.2	434.0	411.9	396.0	386.1	380.0	378.8
12.5°	523.4	513.6	487.9	457.2	421.7	387.4	359.2	337.1	323.6	313.8	310.1
15°	521.0	511.2	476.9	430.3	389.8	343.2	304.0	280.7	261.1	251.3	252.5
17.5°	523.4	508.7	460.9	410.7	354.3	304.0	257.4	229.2	209.6	202.3	201.0
20°	524.7	506.3	448.7	383.7	317.5	261.1	217.0	190.0	175.3	170.4	170.4
22.5°	522.2	498.9	430.3	351.8	285.6	225.6	188.8	165.5	155.7	149.6	152.0
25°	533.3	497.7	413.1	324.9	248.9	196.1	167.9	150.8	144.7	141.0	142.2
27.5°	535.7	497.7	399.6	294.2	217.0	174.1	152.0	141.0	136.1	133.6	132.4
30°	545.5	500.2	383.7	263.6	191.2	156.9	139.7	133.6	129.9	128.7	128.7
32.5°	572.5	507.5	366.5	237.8	169.2	142.2	131.2	126.3	123.8	122.6	123.8
35°	604.4	527.1	348.1	210.8	153.2	132.4	123.8	120.1	118.9	118.9	118.9
37.5°	653.4	556.5	332.2	188.8	139.7	122.6	116.5	115.2	114.0	115.2	115.2
40°	709.8	588.4	317.5	171.6	129.9	116.5	110.3	110.3	109.1	110.3	111.6
42.5°	774.7	627.6	302.8	154.5	121.4	111.6	106.7	105.4	104.2	106.7	107.9
45°	864.2	681.6	293.0	144.7	115.2	106.7	101.7	101.7	100.5	100.5	103.0
47.5°	939.0	733.1	293.0	134.8	111.6	103.0	98.1	98.1	95.6	96.8	96.8
50°	1001.5	777.2	299.1	132.4	106.7	99.3	95.6	93.2	91.9	91.9	91.9
52.5°	1043.2	804.2	304.0	129.9	104.2	94.4	91.9	90.7	88.3	87.0	88.3
55°	1084.9	822.6	305.2	129.9	100.5	89.5	87.0	87.0	84.6	83.4	83.4
57.5°	1100.8	815.2	288.1	127.5	98.1	85.8	83.4	82.1	80.9	79.7	79.7
60°	1093.5	788.2	250.1	121.4	95.6	83.4	78.5	78.5	78.5	76.0	77.2
62.5°	1043.2	696.3	201.0	111.6	91.9	78.5	73.6	76.0	76.0	74.8	74.8
65°	910.8	574.9	163.0	103.0	87.0	74.8	69.9	73.6	74.8	73.6	72.3
67.5°	728.2	442.5	134.8	93.2	80.9	68.6	65.0	68.6	69.9	68.6	68.6
70°	500.2	285.6	109.1	83.4	72.3	62.5	58.8	61.3	61.3	62.5	62.5
72.5°	258.7	154.5	89.5	71.1	62.5	56.4	52.7	52.7	51.5	51.5	51.5
75°	128.7	105.4	74.8	60.1	52.7	47.8	45.4	42.9	42.9	42.9	42.9
77.5°	89.5	80.9	61.3	47.8	42.9	39.2	39.2	35.6	35.6	35.6	35.6
80°	67.4	63.7	46.6	36.8	33.1	30.6	30.6	29.4	29.4	28.2	28.2
82.5°	47.8	51.5	35.6	27.0	24.5	23.3	23.3	22.1	22.1	19.6	19.6
85°	38.0	42.9	27.0	19.6	18.4	15.9	15.9	14.7	14.7	13.5	12.3
87.5°	11.0	23.3	11.0	7.4	7.4	7.4	7.4	6.1	6.1	4.9	4.9
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)