

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: P676863

Luminaire Tested: **CCW-SA-1C-750-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676863  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-750-U-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

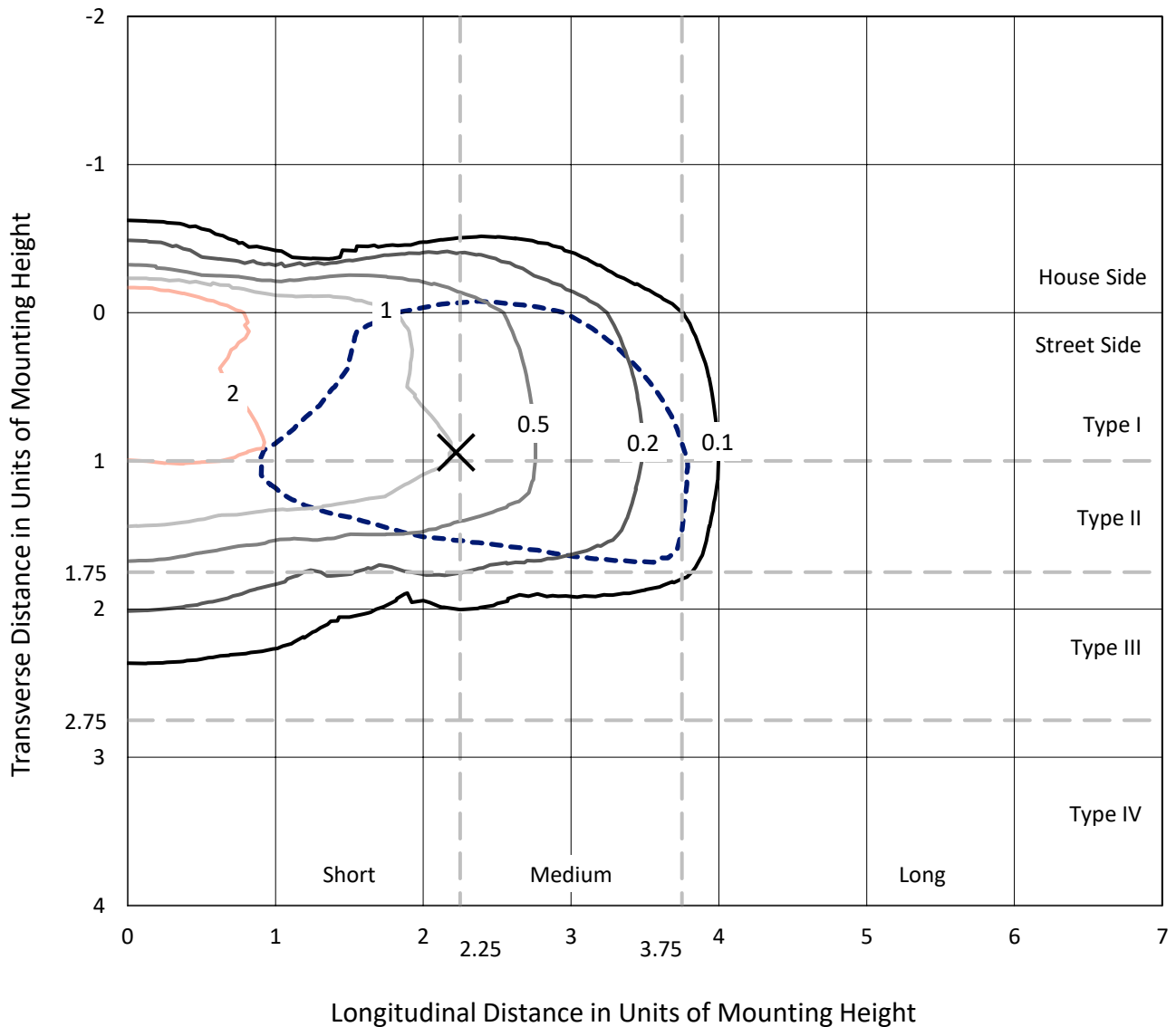
Lumens per Lamp: N/A  
Luminaire Lumens: 3719.1 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

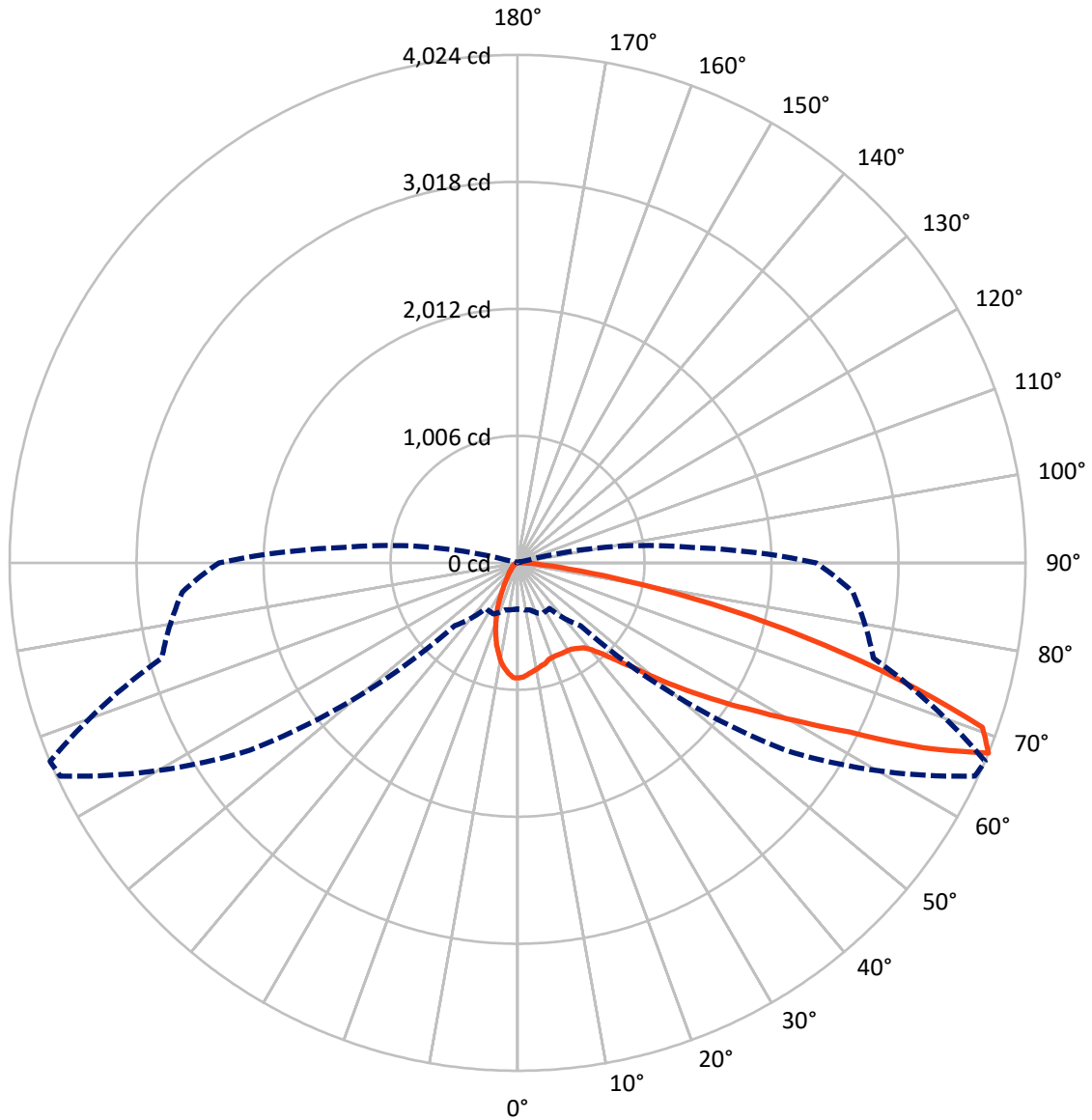
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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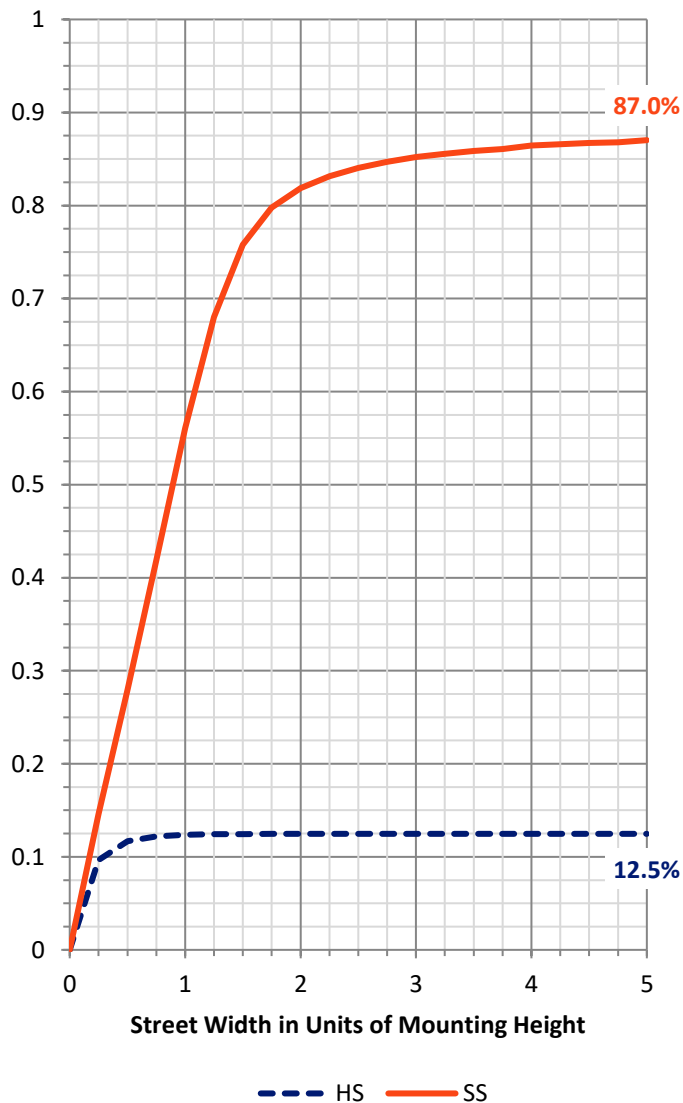
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	468.1	0.0	468.1
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	3251.0	0.0	3251.0
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	3719.1	0.0	3719.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	2.1
10°-20°	170.7	4.6
20°-30°	242.8	6.5
30°-40°	353.5	9.5
40°-50°	547.2	14.7
50°-60°	839.7	22.6
60°-70°	910.3	24.5
70°-80°	513.5	13.8
80°-90°	64.5	1.7
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°	3719.1	100.0
0°-180°	3719.1	100.0

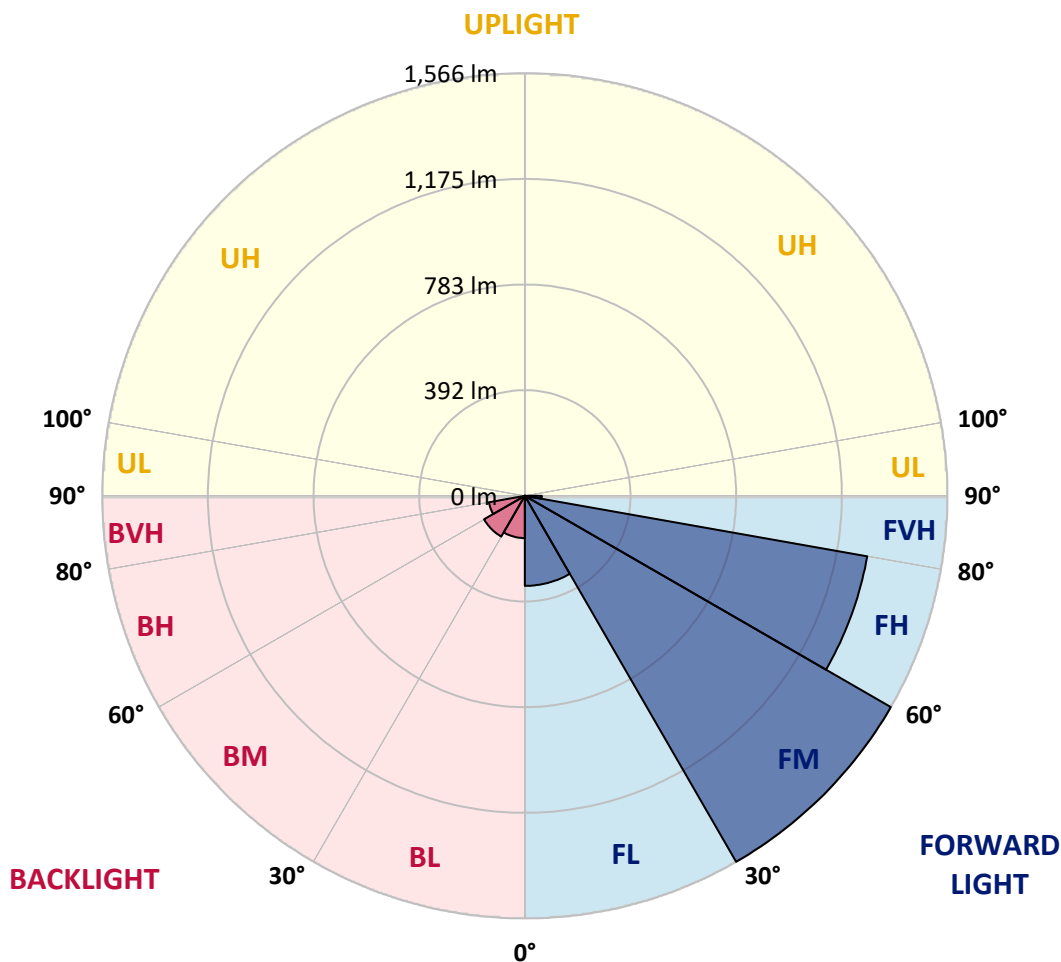


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.7	9.0			
FM (30°-60°)	1566.1	42.1			
FH (60°-80°)	1288.6	34.6			G1/1800
FVH (80°-90°)	62.7	1.7			G1/100
BL (0°-30°)	156.7	4.2	B1/500		
BM (30°-60°)	174.3	4.7	B0/220		
BH (60°-80°)	135.2	3.6	B1/500		G1/500
BVH (80°-90°)	1.9	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2
2.5°	872.8	877.3	883.5	892.5	898.8	895.2	897.9	913.1	905.0	912.2	908.6
5°	824.4	828.9	837.8	836.9	844.1	857.6	875.5	895.2	886.2	907.7	915.8
7.5°	774.2	772.4	772.4	791.2	806.5	825.3	835.2	867.4	868.3	887.1	906.8
10°	728.5	733.9	742.9	750.0	764.4	791.2	819.9	845.0	854.9	892.5	897.9
12.5°	700.7	703.4	714.2	720.5	739.3	765.3	795.7	828.0	836.0	874.6	900.6
15°	689.1	695.4	698.9	710.6	720.5	744.6	767.1	803.8	827.1	857.6	889.8
17.5°	698.1	695.4	697.2	700.7	712.4	733.9	758.1	794.8	802.9	854.0	902.4
20°	709.7	710.6	705.2	703.4	700.7	721.4	741.1	788.6	797.5	854.0	910.4
22.5°	741.1	731.2	741.1	726.7	712.4	721.4	740.2	789.5	795.7	853.1	918.5
25°	779.6	781.4	784.1	753.6	733.0	726.7	746.4	792.1	797.5	860.2	922.1
27.5°	834.3	842.3	828.9	813.6	772.4	741.1	745.5	790.3	800.2	856.7	931.0
30°	907.7	901.5	903.3	868.3	828.0	778.7	766.2	794.8	802.0	861.1	948.1
32.5°	971.4	964.2	976.7	964.2	900.6	832.5	790.3	803.8	811.9	871.9	962.4
35°	1010.8	1019.7	1039.5	1052.9	999.1	902.4	830.7	828.0	831.6	877.3	973.2
37.5°	1071.7	1087.9	1104.0	1138.0	1091.4	988.4	894.3	859.3	853.1	903.3	978.5
40°	1138.0	1133.6	1181.0	1221.4	1219.6	1109.4	983.0	914.9	905.9	944.5	1014.4
42.5°	1193.6	1189.1	1242.0	1308.3	1315.5	1225.8	1084.3	993.8	985.7	1008.1	1058.3
45°	1266.2	1269.8	1332.5	1411.3	1437.3	1380.0	1221.4	1106.7	1102.2	1095.0	1141.6
47.5°	1330.7	1350.4	1404.2	1497.4	1591.5	1539.5	1382.7	1271.5	1240.2	1224.1	1270.7
50°	1375.5	1393.4	1458.8	1558.3	1730.3	1763.5	1563.7	1447.2	1448.1	1408.6	1433.7
52.5°	1375.5	1374.6	1427.5	1558.3	1827.1	1997.4	1805.6	1668.5	1675.7	1634.5	1636.3
55°	1242.9	1240.2	1304.7	1443.6	1816.4	2222.3	2172.1	1949.0	1931.1	1851.3	1859.4
57.5°	1000.9	1007.2	1056.5	1223.2	1676.6	2327.1	2608.5	2264.4	2203.5	2038.6	2038.6
60°	730.3	724.9	761.7	878.2	1343.2	2287.7	2966.9	2636.3	2540.4	2193.6	2170.3
62.5°	555.6	554.7	564.5	604.0	852.2	1994.7	3121.1	3109.4	2953.5	2346.0	2312.8
65°	448.9	450.7	464.2	492.0	520.6	1360.3	3039.5	3674.0	3531.5	2572.7	2464.2
67.5°	366.5	371.0	387.1	447.1	440.9	704.3	2588.8	3997.4	4024.3	2918.6	2667.7
70°	282.3	289.4	308.3	393.4	424.7	468.7	1794.9	3836.2	3907.8	3133.6	2544.9
72.5°	191.8	190.9	231.2	319.0	429.2	429.2	999.1	3089.7	3157.8	2889.0	2210.6
75°	103.9	110.2	153.2	241.0	393.4	414.9	569.0	2260.8	2356.7	2246.5	1709.7
77.5°	56.5	57.3	85.1	157.7	327.1	396.1	379.9	1537.7	1575.3	1354.9	936.4
80°	29.6	30.5	44.8	103.1	225.8	367.4	316.3	916.7	880.9	519.7	309.2
82.5°	13.4	14.3	22.4	64.5	144.3	289.4	273.3	442.7	408.6	145.2	94.1
85°	5.4	5.4	9.9	38.5	84.2	142.5	233.9	222.2	185.5	43.9	46.6
87.5°	1.8	1.8	2.7	15.2	34.1	85.1	124.6	117.4	80.6	16.1	25.1
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°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2
2.5°	905.0	914.9	912.2	910.4	893.4	891.6	889.8	873.7	879.1	865.6	874.6
5°	910.4	915.8	901.5	874.6	850.4	823.5	802.9	788.6	762.6	752.7	750.9
7.5°	905.0	905.0	875.5	832.5	785.0	741.1	685.5	646.1	616.5	594.1	602.2
10°	897.9	887.1	856.7	780.5	694.5	628.2	548.4	490.2	446.3	431.9	423.0
12.5°	897.9	879.1	811.0	707.0	595.9	495.5	400.6	324.4	282.3	257.2	253.6
15°	889.8	862.0	777.8	638.0	500.0	363.8	255.4	190.0	154.1	144.3	140.7
17.5°	891.6	858.5	728.5	556.5	388.0	241.9	155.9	120.1	111.1	106.6	107.5
20°	895.2	858.5	684.6	476.7	279.6	150.5	107.5	101.3	96.8	95.0	95.9
22.5°	906.8	841.4	639.8	395.2	189.1	108.4	95.0	88.7	85.1	82.4	81.5
25°	908.6	838.7	596.8	314.5	129.9	91.4	83.3	76.2	71.7	68.1	67.2
27.5°	905.9	827.1	536.8	233.9	97.7	81.5	70.8	63.6	57.3	54.7	53.8
30°	915.8	805.6	485.7	168.5	82.4	70.8	60.0	52.0	46.6	43.0	43.0
32.5°	916.7	786.8	429.2	120.1	75.3	62.7	51.1	42.1	36.7	34.9	34.9
35°	917.6	769.7	366.5	91.4	67.2	53.8	42.1	34.9	31.4	28.7	28.7
37.5°	920.3	757.2	309.2	77.1	60.0	45.7	34.9	28.7	25.1	24.2	24.2
40°	925.7	740.2	249.1	68.1	52.0	38.5	29.6	24.2	20.6	19.7	18.8
42.5°	940.0	735.7	198.9	60.9	46.6	32.3	24.2	19.7	17.0	15.2	14.3
45°	999.1	747.3	154.1	56.5	39.4	26.9	20.6	16.1	12.5	11.6	10.8
47.5°	1095.9	785.9	121.9	50.2	33.2	22.4	17.0	12.5	9.9	9.0	8.1
50°	1242.9	873.7	99.5	44.8	27.8	18.8	13.4	9.9	7.2	6.3	6.3
52.5°	1435.5	992.0	86.0	39.4	22.4	16.1	10.8	7.2	5.4	4.5	4.5
55°	1632.7	1131.8	80.6	34.1	18.8	13.4	8.1	5.4	3.6	2.7	2.7
57.5°	1813.7	1222.3	78.0	27.8	16.1	9.9	6.3	3.6	1.8	0.9	0.9
60°	1926.6	1288.6	69.9	22.4	12.5	8.1	4.5	1.8	0.9	0.0	0.0
62.5°	2075.3	1355.8	57.3	17.0	9.0	5.4	2.7	0.9	0.0	0.0	0.0
65°	2271.6	1431.1	44.8	13.4	7.2	3.6	1.8	0.9	0.0	0.0	0.0
67.5°	2365.7	1391.6	30.5	9.9	4.5	1.8	0.9	0.0	0.0	0.0	0.0
70°	2177.5	1172.1	21.5	7.2	2.7	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	1830.7	918.5	16.1	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	1349.5	574.4	12.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	716.0	214.2	9.0	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	211.5	62.7	6.3	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	69.9	18.8	3.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.8	7.2	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.6	2.7	1.8	1.8	0.9	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)