

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: P676956

Luminaire Tested: **CCW-SA-2A-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676956
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

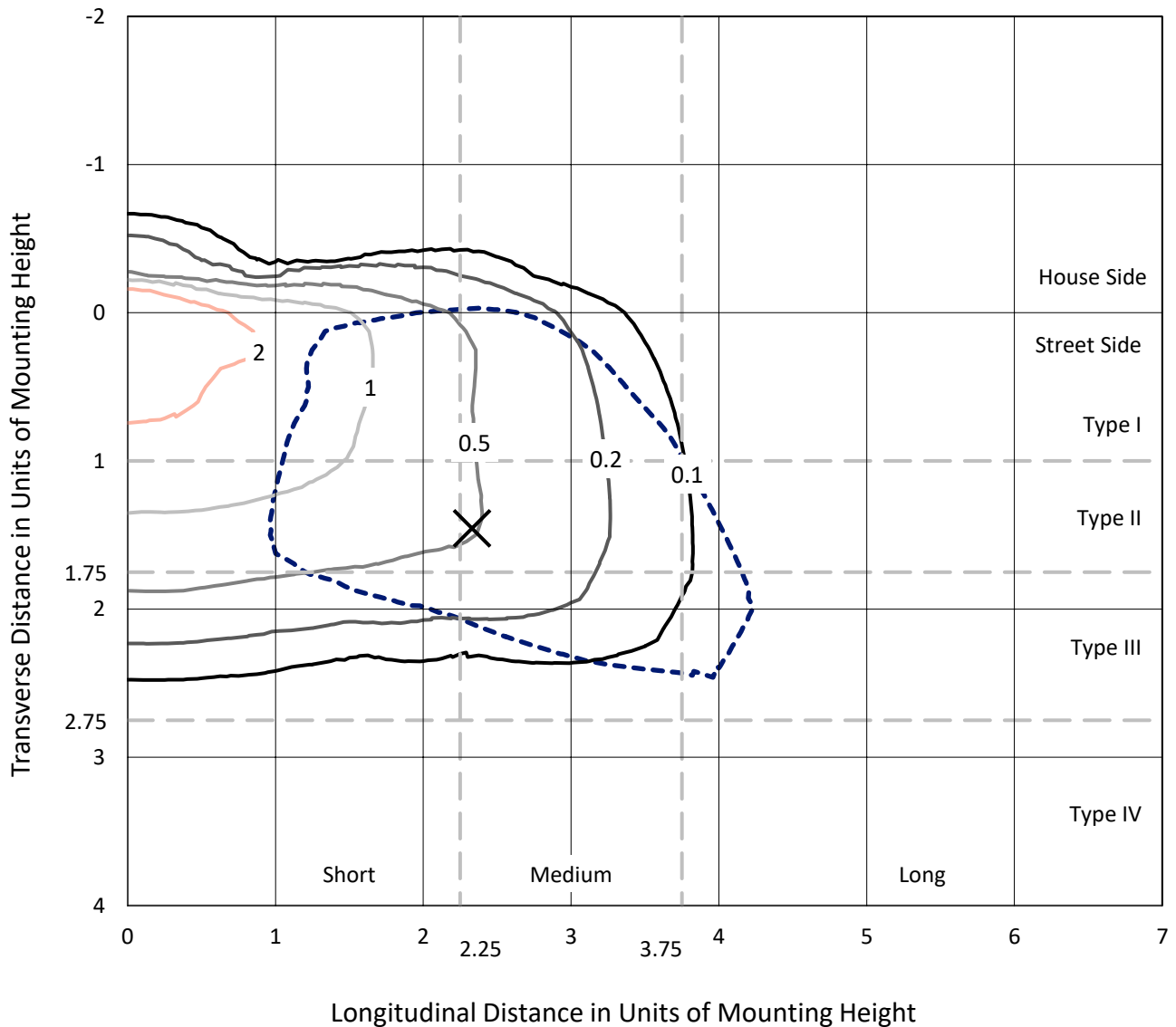
Lumens per Lamp: N/A
Luminaire Lumens: 3330.5 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): 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

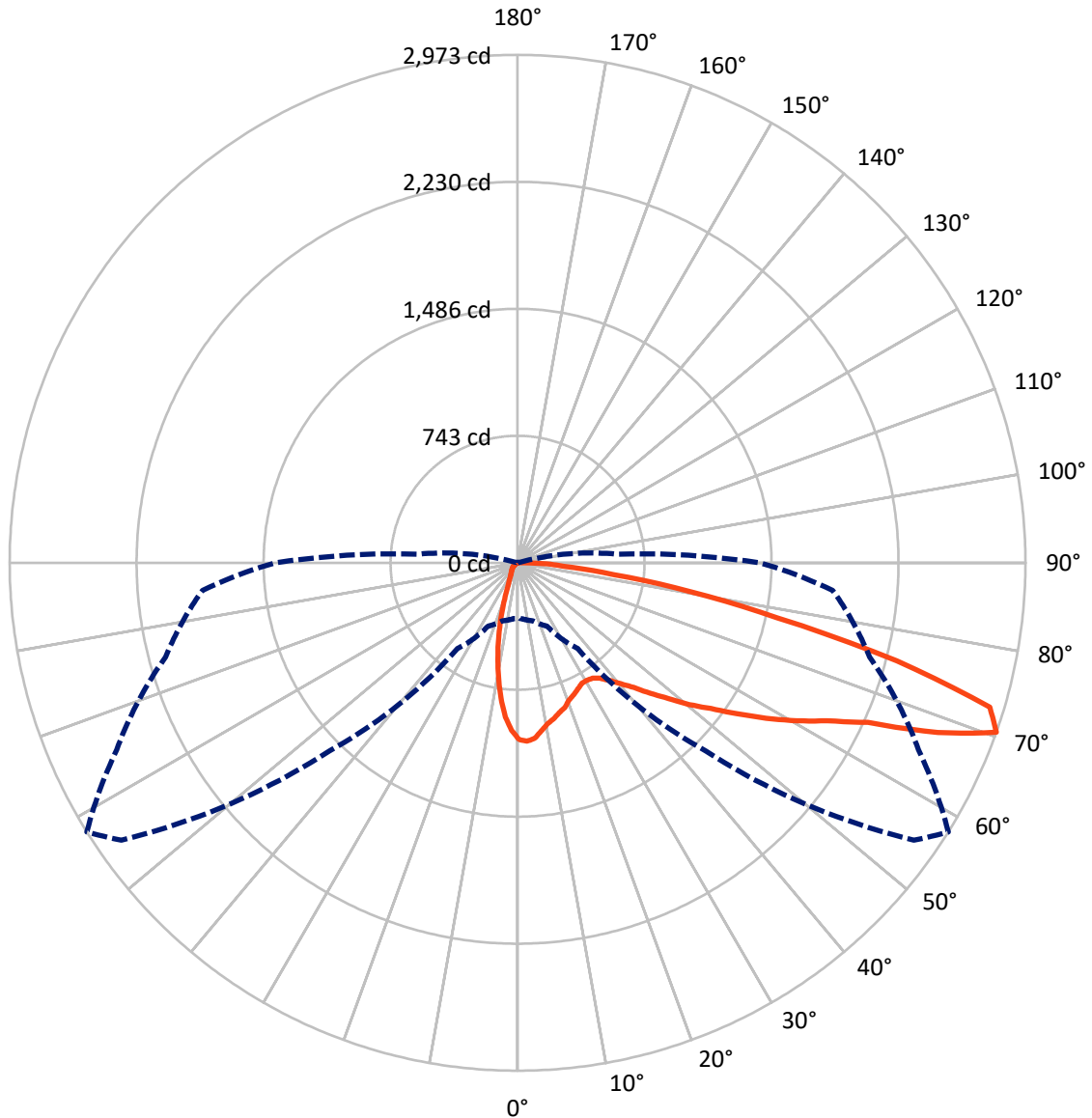
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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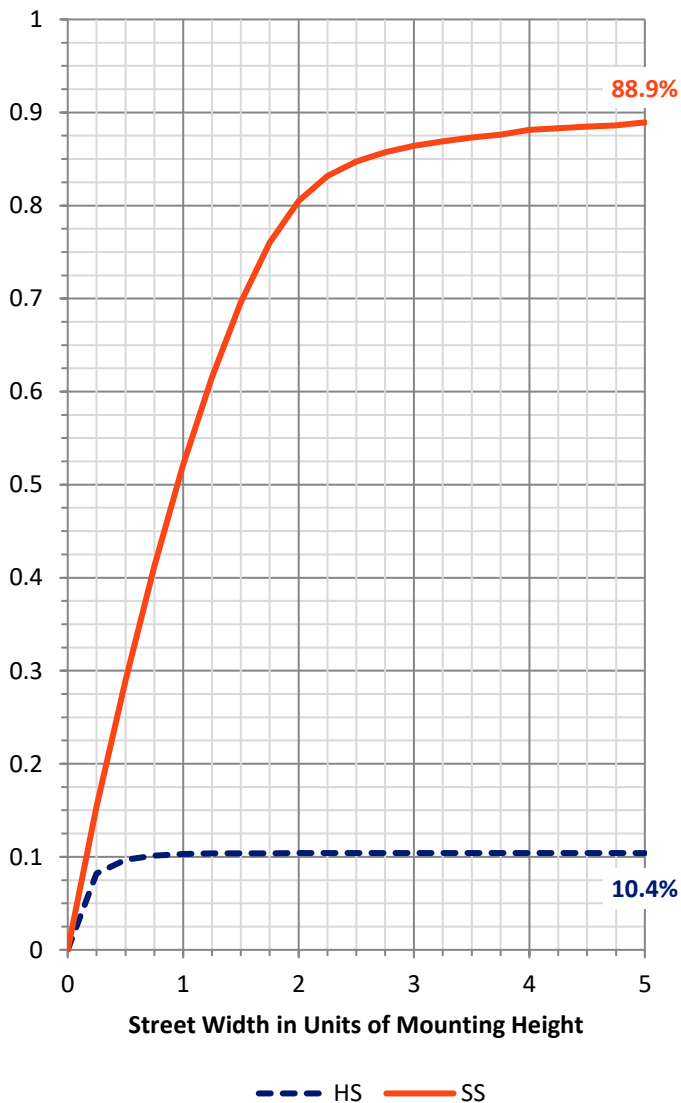
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	348.8	0.0	348.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2981.7	0.0	2981.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	3330.5	0.0	3330.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	2.5
10°-20°	175.6	5.3
20°-30°	235.2	7.1
30°-40°	317.9	9.5
40°-50°	456.2	13.7
50°-60°	672.3	20.2
60°-70°	820.1	24.6
70°-80°	500.8	15.0
80°-90°	68.0	2.0
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°	3330.5	100.0
0°-180°	3330.5	100.0

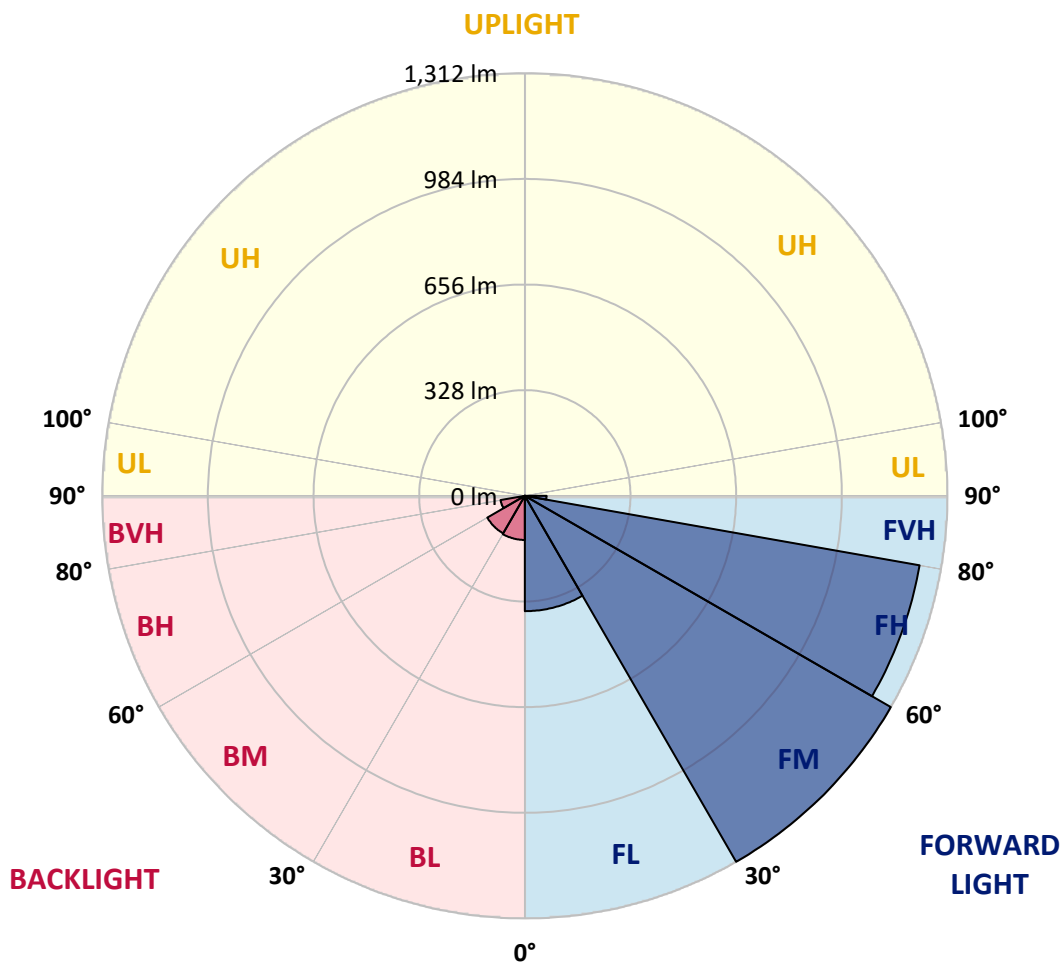


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.1	10.8			
FM (30°-60°)	1311.9	39.4			
FH (60°-80°)	1244.4	37.4			G1/1800
FVH (80°-90°)	67.4	2.0			G1/100
BL (0°-30°)	137.1	4.1	B1/500		
BM (30°-60°)	134.6	4.0	B0/220		
BH (60°-80°)	76.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9
2.5°	1052.6	1056.5	1047.2	1058.1	1047.9	1052.6	1047.2	1045.6	1046.4	1047.2	1040.9
5°	1003.4	1012.8	1016.7	1010.5	1025.3	1023.0	1032.3	1033.1	1029.2	1025.3	1026.1
7.5°	938.6	948.0	951.9	955.8	970.6	990.2	1002.7	994.8	1001.1	1015.1	994.1
10°	891.8	889.4	888.6	896.5	924.6	941.0	962.0	959.7	975.3	988.6	971.4
12.5°	834.0	829.3	843.4	849.6	874.6	903.5	919.9	937.1	952.7	966.7	947.2
15°	791.0	794.9	800.4	813.7	831.6	869.9	894.1	910.5	938.6	945.7	937.8
17.5°	756.7	759.8	767.6	774.6	797.3	834.0	872.2	891.8	921.4	940.2	916.0
20°	757.5	748.1	748.1	755.1	767.6	811.3	851.9	858.2	898.8	930.8	914.4
22.5°	758.2	755.1	748.1	747.3	752.8	784.0	825.4	839.4	883.2	920.7	901.1
25°	769.2	757.5	758.2	747.3	749.6	765.3	798.1	819.1	869.1	926.1	894.1
27.5°	778.5	784.0	773.1	768.4	755.1	754.3	781.7	799.6	862.1	938.6	898.8
30°	799.6	803.5	803.5	800.4	787.9	770.0	776.2	798.8	848.0	936.3	891.0
32.5°	834.8	827.7	837.1	832.4	816.0	787.9	793.4	805.1	856.6	966.0	903.5
35°	846.5	851.9	864.4	854.3	848.8	832.4	821.5	830.1	869.1	995.6	922.2
37.5°	882.4	874.6	883.2	905.8	911.3	881.6	860.5	873.0	916.0	1030.8	939.4
40°	885.5	891.8	907.4	951.9	957.4	944.9	927.7	930.8	962.8	1076.1	982.4
42.5°	901.1	908.2	940.2	977.7	1007.3	1009.7	997.2	997.2	1024.5	1148.7	1030.0
45°	931.6	919.9	961.3	1024.5	1067.5	1076.1	1092.5	1088.6	1110.4	1225.2	1119.0
47.5°	943.3	947.2	992.5	1069.0	1118.2	1158.1	1185.4	1186.2	1197.1	1322.8	1234.6
50°	981.6	980.8	1035.5	1106.5	1179.1	1251.8	1304.9	1304.9	1304.1	1418.1	1333.7
52.5°	1032.3	1030.8	1072.9	1157.3	1251.8	1343.1	1413.4	1415.7	1433.7	1535.2	1447.8
55°	1115.1	1108.1	1148.7	1211.2	1324.4	1435.3	1557.1	1557.9	1543.8	1618.8	1529.8
57.5°	1184.6	1183.8	1217.4	1277.5	1405.6	1554.0	1695.3	1716.4	1671.9	1704.7	1595.3
60°	1166.6	1176.8	1246.3	1335.3	1491.5	1702.3	1844.4	1877.2	1806.2	1763.2	1644.5
62.5°	1055.0	1078.4	1154.1	1296.3	1564.1	1917.9	2049.8	2035.0	1876.5	1813.2	1704.7
65°	759.0	782.4	876.2	1089.3	1479.8	2070.1	2320.0	2252.8	2001.4	1887.4	1785.1
67.5°	446.7	456.0	514.6	695.0	1106.5	1987.3	2648.0	2653.4	2247.4	2001.4	1924.1
70°	322.5	329.5	352.2	410.0	613.0	1557.9	2830.7	2972.8	2588.6	2132.6	1850.7
72.5°	247.5	247.5	285.8	341.2	390.4	933.2	2605.0	2890.1	2662.8	2006.9	1491.5
75°	178.0	182.7	224.1	293.6	360.0	468.5	1919.4	2293.5	2256.8	1626.6	1041.7
77.5°	102.3	104.6	157.7	246.0	338.1	321.7	1186.2	1554.7	1598.5	1018.3	451.4
80°	52.3	53.9	88.2	194.4	306.1	280.3	707.5	1023.7	868.3	296.0	104.6
82.5°	25.8	25.8	39.8	124.2	260.0	248.3	416.2	565.4	307.7	67.9	43.7
85°	8.6	9.4	18.0	70.3	188.2	149.9	254.6	268.6	103.1	25.8	24.2
87.5°	2.3	3.1	4.7	25.8	82.0	98.4	151.5	171.8	42.2	10.2	11.7
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°	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9
2.5°	1017.5	1012.0	1005.8	990.2	977.7	961.3	950.3	941.7	925.3	928.5	921.4
5°	1007.3	997.2	961.3	926.9	895.7	848.0	815.2	794.2	777.0	759.8	772.3
7.5°	989.4	965.2	908.9	844.9	778.5	716.1	653.6	616.1	588.8	563.8	563.0
10°	958.9	919.9	831.6	748.1	645.8	563.8	484.1	421.7	381.1	351.4	350.6
12.5°	924.6	884.0	773.1	637.2	519.3	403.7	308.4	242.1	203.8	180.4	177.3
15°	902.7	843.4	699.7	538.8	392.8	263.2	171.0	129.6	114.8	109.3	109.3
17.5°	874.6	806.7	627.0	436.5	272.5	152.3	110.9	100.0	99.2	97.6	96.0
20°	862.9	778.5	562.2	348.3	172.6	107.8	95.3	92.9	92.9	91.4	89.8
22.5°	831.6	737.9	493.5	255.3	114.8	94.5	89.8	86.7	85.1	83.6	85.1
25°	817.6	709.0	428.7	176.5	93.7	84.3	82.0	78.9	76.5	75.7	75.7
27.5°	808.2	680.1	365.5	122.6	82.8	77.3	72.6	70.3	67.2	64.0	64.0
30°	801.2	657.5	304.5	90.6	74.2	68.7	64.8	59.3	55.4	52.3	52.3
32.5°	791.8	631.0	243.6	77.3	67.2	61.7	54.7	50.0	44.5	42.2	42.2
35°	794.9	613.0	191.3	68.7	60.1	53.1	46.9	40.6	35.1	32.8	32.0
37.5°	801.2	599.7	145.2	61.7	53.9	46.1	39.0	32.0	28.9	25.8	25.8
40°	827.7	595.8	107.0	57.0	49.2	40.6	32.8	26.6	23.4	21.1	20.3
42.5°	872.2	601.3	82.8	51.5	44.5	34.4	27.3	21.9	18.7	16.4	15.6
45°	929.3	622.4	67.9	48.4	39.0	28.9	21.9	18.0	14.1	12.5	12.5
47.5°	1012.0	655.2	59.3	44.5	34.4	24.2	18.7	14.1	10.9	9.4	9.4
50°	1105.7	692.6	52.3	39.8	29.7	20.3	14.8	10.9	7.8	7.0	7.0
52.5°	1199.4	740.3	48.4	36.7	25.8	16.4	11.7	7.8	5.5	4.7	4.7
55°	1297.8	782.4	43.7	34.4	21.1	13.3	8.6	4.7	3.1	2.3	2.3
57.5°	1366.5	798.8	38.3	29.7	16.4	10.2	6.2	3.1	1.6	0.8	0.8
60°	1415.7	801.2	32.8	24.2	12.5	7.8	3.9	1.6	0.8	0.0	0.0
62.5°	1457.1	805.9	28.1	18.7	9.4	5.5	2.3	0.8	0.0	0.0	0.0
65°	1539.1	802.0	22.6	14.8	6.2	3.1	1.6	0.0	0.0	0.0	0.0
67.5°	1603.9	762.9	18.0	10.2	3.9	1.6	0.8	0.0	0.0	0.0	0.0
70°	1418.9	581.8	14.1	7.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0
72.5°	1114.3	388.1	9.4	3.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	730.9	192.9	7.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	284.2	50.8	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	68.7	17.2	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.7	6.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.0	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	1.6	0.8	0.8	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)