

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: P676964

Luminaire Tested: **CCW-SA-1D-727-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676964
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-727-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

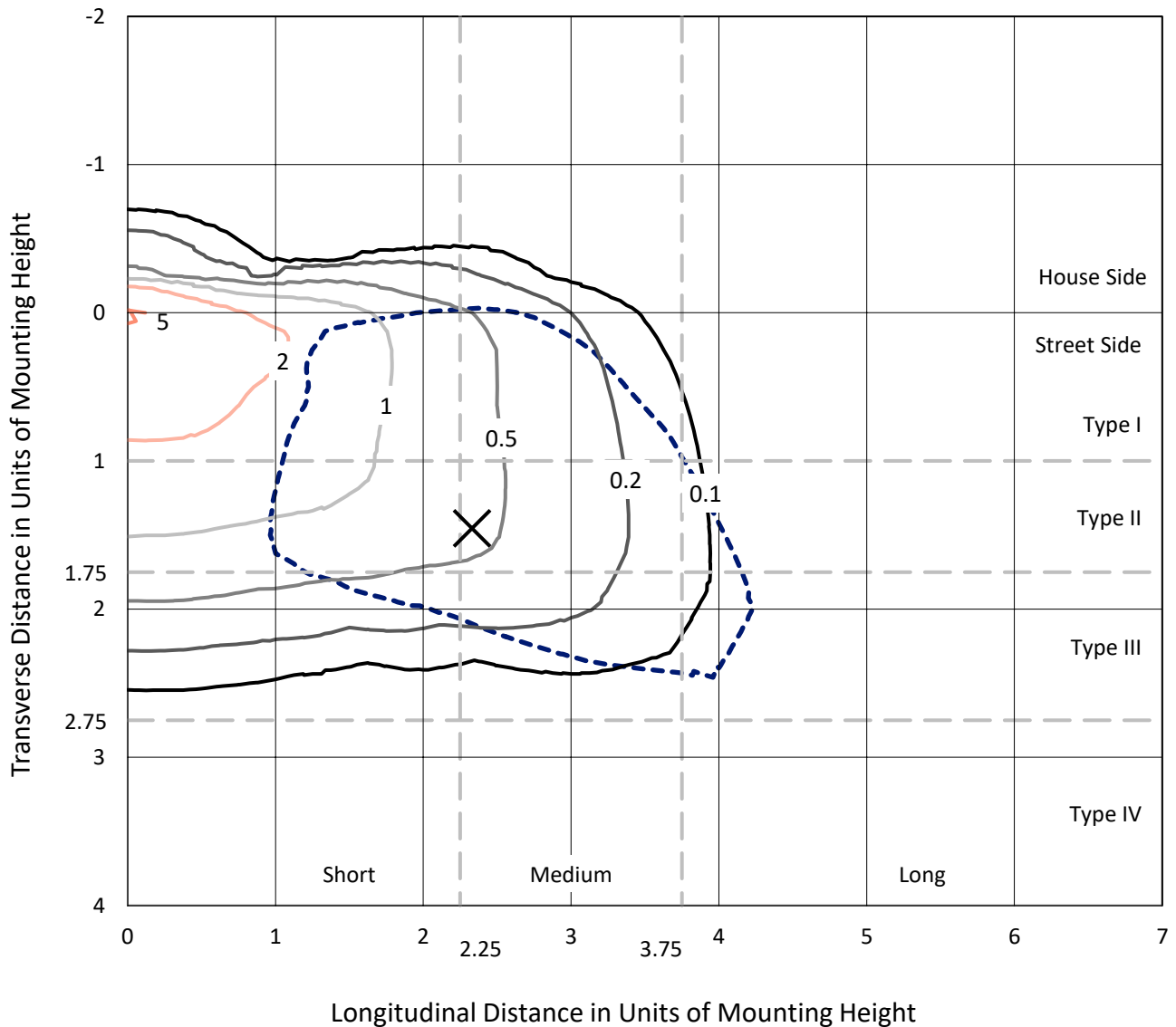
Lumens per Lamp: N/A
Luminaire Lumens: 3854 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

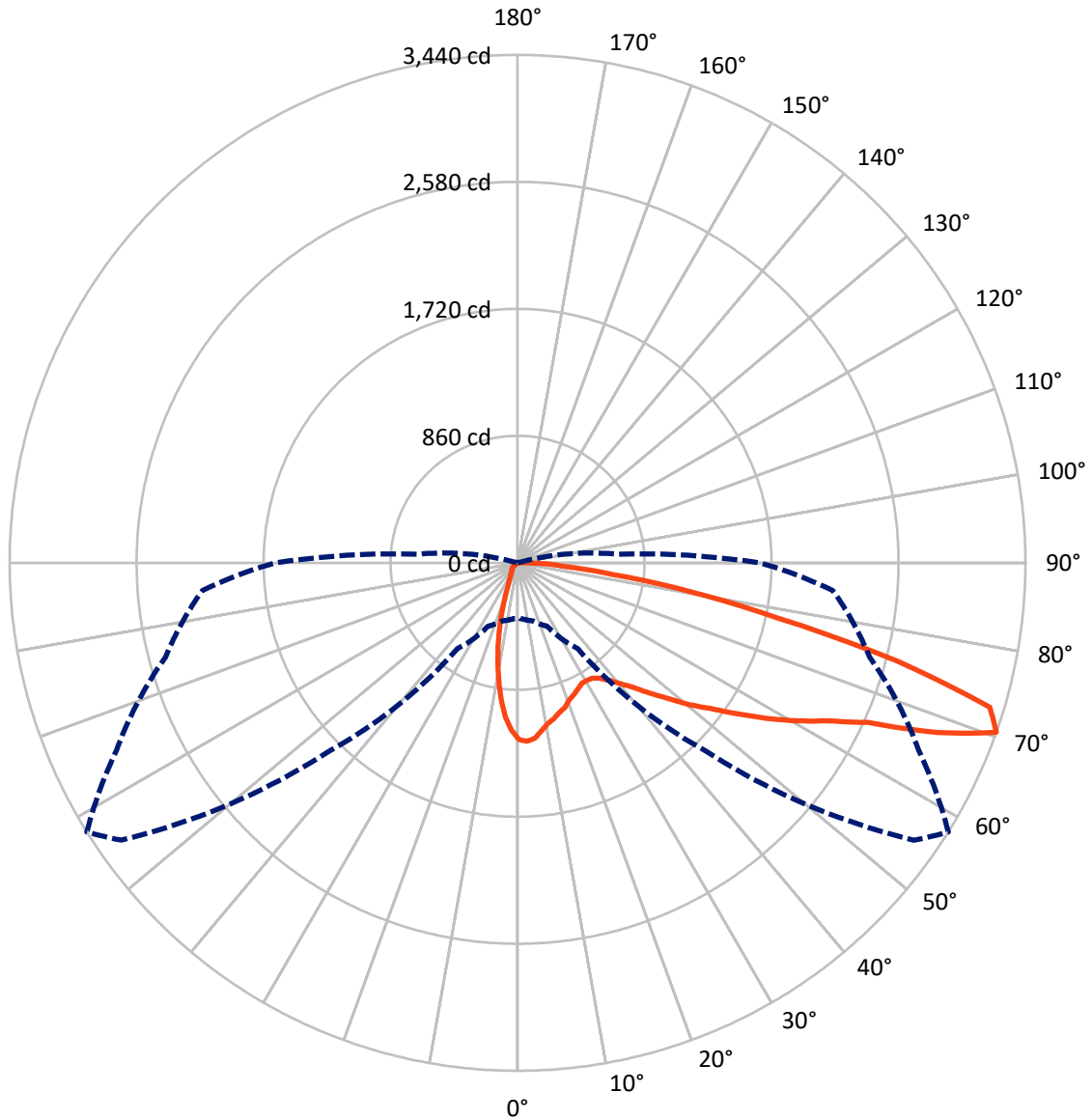
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 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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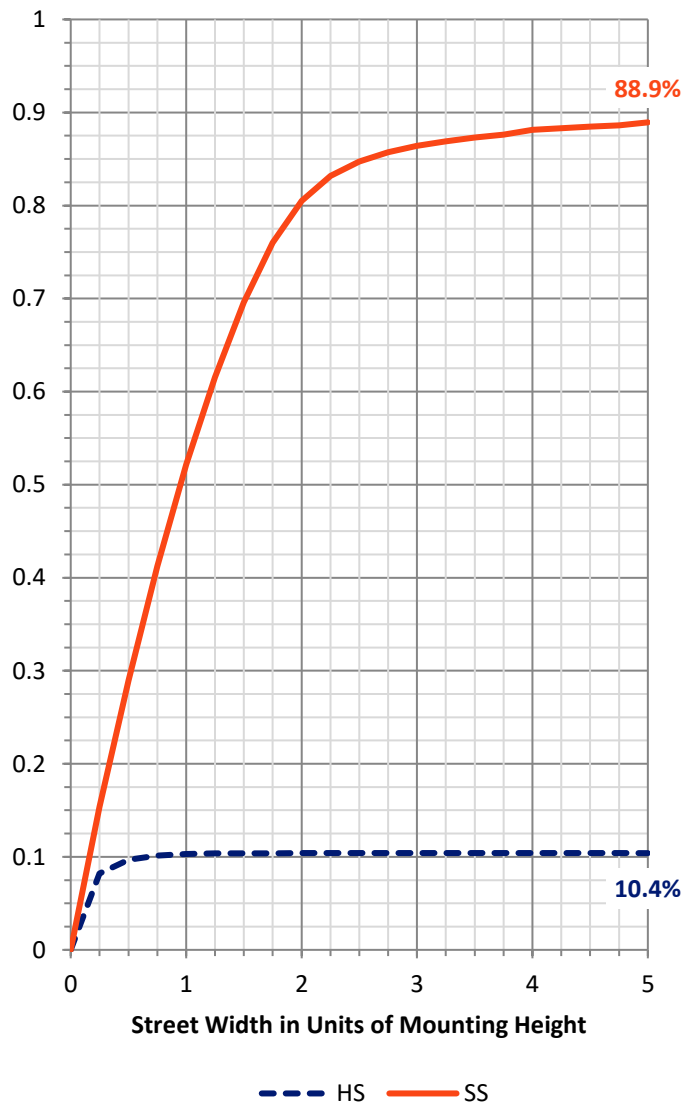
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	403.6	0.0	403.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3450.4	0.0	3450.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	3854.0	0.0	3854.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	2.5
10°-20°	203.2	5.3
20°-30°	272.1	7.1
30°-40°	367.9	9.5
40°-50°	528.0	13.7
50°-60°	778.0	20.2
60°-70°	949.0	24.6
70°-80°	579.5	15.0
80°-90°	78.7	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°	3854.0	100.0
0°-180°	3854.0	100.0

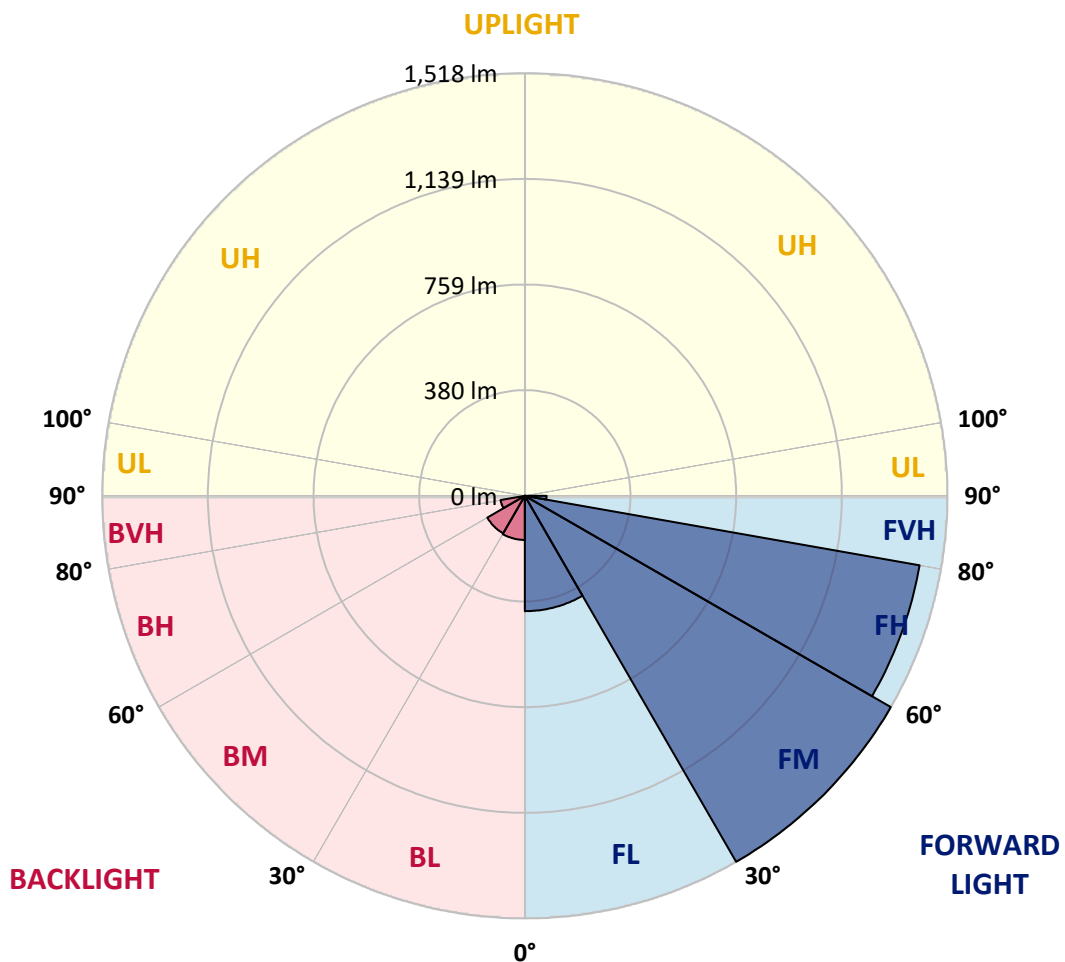


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.4	10.8			
FM (30°-60°)	1518.1	39.4			
FH (60°-80°)	1440.0	37.4			G1/1800
FVH (80°-90°)	78.0	2.0			G1/100
BL (0°-30°)	158.6	4.1	B1/500		
BM (30°-60°)	155.8	4.0	B0/220		
BH (60°-80°)	88.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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°	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4
2.5°	1218.1	1222.6	1211.8	1224.4	1212.7	1218.1	1211.8	1210.0	1210.9	1211.8	1204.5
5°	1161.2	1172.0	1176.5	1169.3	1186.5	1183.8	1194.6	1195.5	1191.0	1186.5	1187.4
7.5°	1086.2	1097.0	1101.5	1106.0	1123.2	1145.8	1160.3	1151.2	1158.5	1174.7	1150.3
10°	1031.9	1029.2	1028.3	1037.4	1069.9	1088.9	1113.3	1110.6	1128.6	1144.0	1124.1
12.5°	965.1	959.7	975.9	983.2	1012.1	1045.5	1064.5	1084.4	1102.4	1118.7	1096.1
15°	915.4	919.9	926.2	941.6	962.4	1006.6	1034.7	1053.6	1086.2	1094.3	1085.3
17.5°	875.6	879.2	888.3	896.4	922.6	965.1	1009.4	1031.9	1066.3	1088.0	1060.0
20°	876.5	865.7	865.7	873.8	888.3	938.9	985.9	993.1	1040.1	1077.1	1058.2
22.5°	877.4	873.8	865.7	864.8	871.1	907.2	955.1	971.4	1022.0	1065.4	1042.8
25°	890.1	876.5	877.4	864.8	867.5	885.6	923.5	947.9	1005.7	1071.7	1034.7
27.5°	900.9	907.2	894.6	889.2	873.8	872.9	904.5	925.3	997.6	1086.2	1040.1
30°	925.3	929.8	929.8	926.2	911.8	891.0	898.2	924.4	981.3	1083.5	1031.0
32.5°	966.0	957.9	968.7	963.3	944.3	911.8	918.1	931.6	991.3	1117.8	1045.5
35°	979.5	985.9	1000.3	988.6	982.2	963.3	950.6	960.6	1005.7	1152.1	1067.2
37.5°	1021.1	1012.1	1022.0	1048.2	1054.5	1020.2	995.8	1010.3	1060.0	1192.8	1087.1
40°	1024.7	1031.9	1050.0	1101.5	1107.9	1093.4	1073.5	1077.1	1114.2	1245.2	1136.8
42.5°	1042.8	1050.9	1088.0	1131.3	1165.7	1168.4	1153.9	1153.9	1185.6	1329.2	1191.9
45°	1078.0	1064.5	1112.4	1185.6	1235.3	1245.2	1264.2	1259.7	1285.0	1417.8	1294.9
47.5°	1091.6	1096.1	1148.5	1237.1	1294.0	1340.1	1371.7	1372.6	1385.3	1530.8	1428.6
50°	1135.9	1135.0	1198.2	1280.4	1364.5	1448.5	1510.0	1510.0	1509.1	1641.0	1543.4
52.5°	1194.6	1192.8	1241.6	1339.2	1448.5	1554.2	1635.6	1638.3	1659.1	1776.5	1675.3
55°	1290.4	1282.3	1329.2	1401.5	1532.6	1660.9	1801.8	1802.7	1786.5	1873.2	1770.2
57.5°	1370.8	1369.9	1408.8	1478.3	1626.5	1798.2	1961.8	1986.2	1934.7	1972.6	1846.1
60°	1350.0	1361.8	1442.2	1545.2	1725.9	1969.9	2134.4	2172.3	2090.1	2040.4	1903.1
62.5°	1220.8	1247.9	1335.6	1500.0	1810.0	2219.3	2372.0	2354.9	2171.4	2098.2	1972.6
65°	878.3	905.4	1013.9	1260.6	1712.4	2395.5	2684.7	2607.0	2316.0	2184.1	2065.7
67.5°	516.9	527.7	595.5	804.2	1280.4	2299.7	3064.2	3070.5	2600.7	2316.0	2226.6
70°	373.2	381.3	407.5	474.4	709.4	1802.7	3275.7	3440.1	2995.5	2467.8	2141.6
72.5°	286.5	286.5	330.7	394.9	451.8	1079.8	3014.5	3344.3	3081.4	2322.3	1725.9
75°	206.0	211.5	259.3	339.8	416.6	542.2	2221.1	2654.0	2611.5	1882.3	1205.4
77.5°	118.4	121.1	182.5	284.6	391.3	372.3	1372.6	1799.1	1849.7	1178.3	522.3
80°	60.5	62.4	102.1	225.0	354.2	324.4	818.7	1184.7	1004.8	342.5	121.1
82.5°	29.8	29.8	46.1	143.7	300.9	287.4	481.6	654.2	356.0	78.6	50.6
85°	9.9	10.8	20.8	81.3	217.8	173.5	294.6	310.8	119.3	29.8	28.0
87.5°	2.7	3.6	5.4	29.8	94.9	113.9	175.3	198.8	48.8	11.7	13.6
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°	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4	1196.4
2.5°	1177.4	1171.1	1163.9	1145.8	1131.3	1112.4	1099.7	1089.8	1070.8	1074.4	1066.3
5°	1165.7	1153.9	1112.4	1072.6	1036.5	981.3	943.4	919.0	899.1	879.2	893.7
7.5°	1144.9	1116.9	1051.8	977.7	900.9	828.6	756.3	713.0	681.3	652.4	651.5
10°	1109.7	1064.5	962.4	865.7	747.3	652.4	560.3	488.0	441.0	406.6	405.7
12.5°	1069.9	1022.9	894.6	737.4	600.9	467.2	356.9	280.1	235.8	208.7	205.1
15°	1044.6	975.9	809.7	623.5	454.5	304.5	197.9	150.0	132.8	126.5	126.5
17.5°	1012.1	933.5	725.6	505.1	315.4	176.2	128.3	115.7	114.8	113.0	111.1
20°	998.5	900.9	650.6	403.0	199.7	124.7	110.2	107.5	107.5	105.7	103.9
22.5°	962.4	853.9	571.1	295.5	132.8	109.3	103.9	100.3	98.5	96.7	98.5
25°	946.1	820.5	496.1	204.2	108.4	97.6	94.9	91.3	88.6	87.7	87.7
27.5°	935.3	787.1	422.9	141.9	95.8	89.5	84.0	81.3	77.7	74.1	74.1
30°	927.1	760.9	352.4	104.8	85.8	79.5	75.0	68.7	64.2	60.5	60.5
32.5°	916.3	730.1	281.9	89.5	77.7	71.4	63.3	57.8	51.5	48.8	48.8
35°	919.9	709.4	221.4	79.5	69.6	61.4	54.2	47.0	40.7	38.0	37.0
37.5°	927.1	694.0	168.1	71.4	62.4	53.3	45.2	37.0	33.4	29.8	29.8
40°	957.9	689.5	123.8	66.0	56.9	47.0	38.0	30.7	27.1	24.4	23.5
42.5°	1009.4	695.8	95.8	59.6	51.5	39.8	31.6	25.3	21.7	19.0	18.1
45°	1075.3	720.2	78.6	56.0	45.2	33.4	25.3	20.8	16.3	14.5	14.5
47.5°	1171.1	758.1	68.7	51.5	39.8	28.0	21.7	16.3	12.7	10.8	10.8
50°	1279.5	801.5	60.5	46.1	34.3	23.5	17.2	12.7	9.0	8.1	8.1
52.5°	1388.0	856.6	56.0	42.5	29.8	19.0	13.6	9.0	6.3	5.4	5.4
55°	1501.8	905.4	50.6	39.8	24.4	15.4	9.9	5.4	3.6	2.7	2.7
57.5°	1581.4	924.4	44.3	34.3	19.0	11.7	7.2	3.6	1.8	0.9	0.9
60°	1638.3	927.1	38.0	28.0	14.5	9.0	4.5	1.8	0.9	0.0	0.0
62.5°	1686.2	932.5	32.5	21.7	10.8	6.3	2.7	0.9	0.0	0.0	0.0
65°	1781.1	928.0	26.2	17.2	7.2	3.6	1.8	0.0	0.0	0.0	0.0
67.5°	1856.1	882.8	20.8	11.7	4.5	1.8	0.9	0.0	0.0	0.0	0.0
70°	1641.9	673.2	16.3	8.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	1289.5	449.1	10.8	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	845.8	223.2	8.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	328.9	58.7	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	79.5	19.9	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.3	7.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.8	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	1.8	0.9	0.9	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)