

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: P676953

Luminaire Tested: **CCW-SA-1D-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676953
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-722-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) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

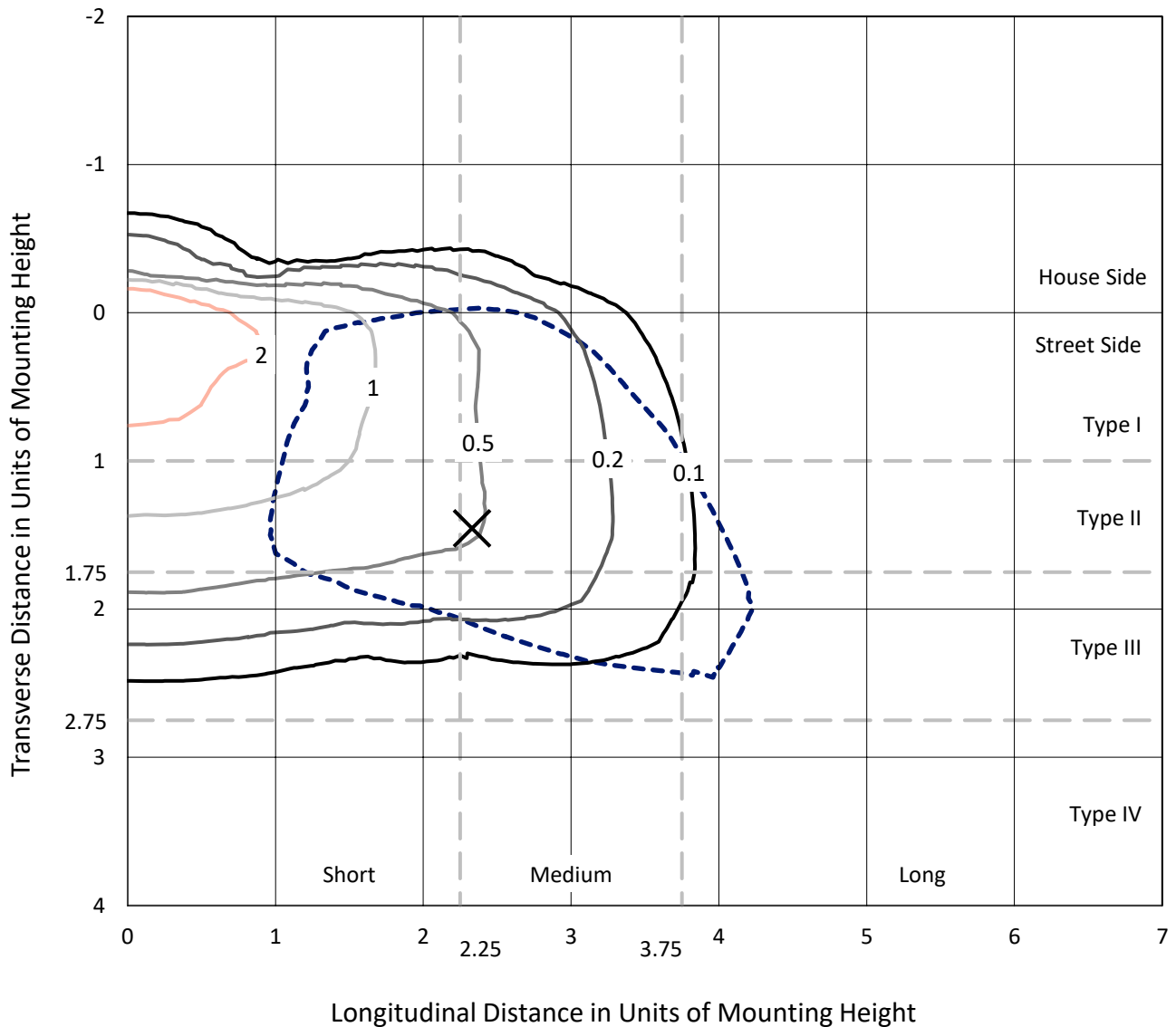
Lumens per Lamp: N/A
Luminaire Lumens: 3394.6 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

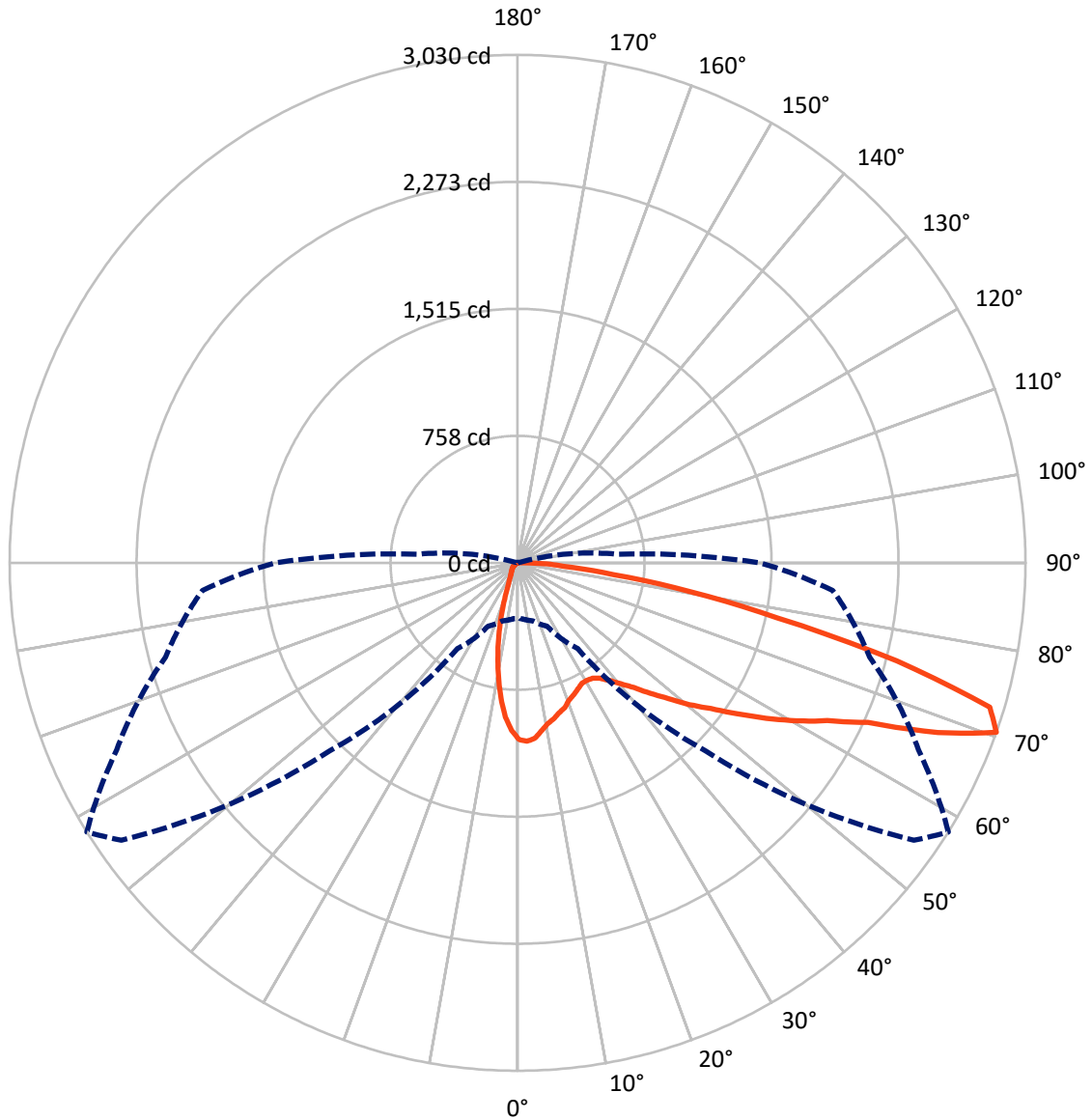
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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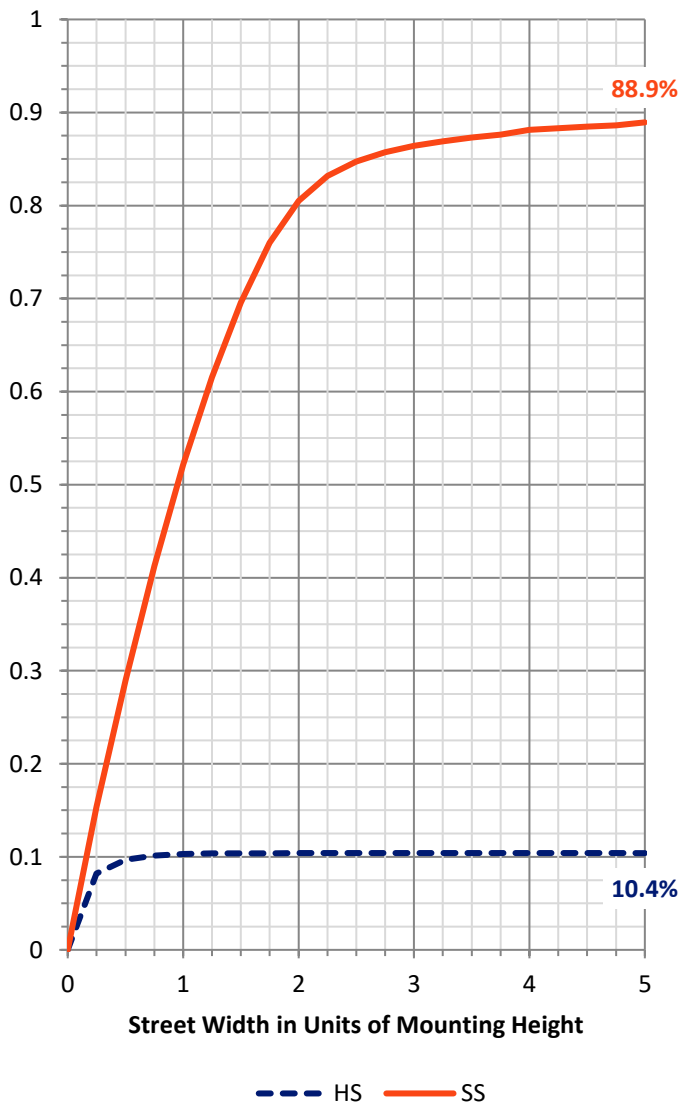
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.5	0.0	355.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3039.1	0.0	3039.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	3394.6	0.0	3394.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	2.5
10°-20°	179.0	5.3
20°-30°	239.7	7.1
30°-40°	324.0	9.5
40°-50°	465.0	13.7
50°-60°	685.3	20.2
60°-70°	835.9	24.6
70°-80°	510.4	15.0
80°-90°	69.3	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°	3394.6	100.0
0°-180°	3394.6	100.0

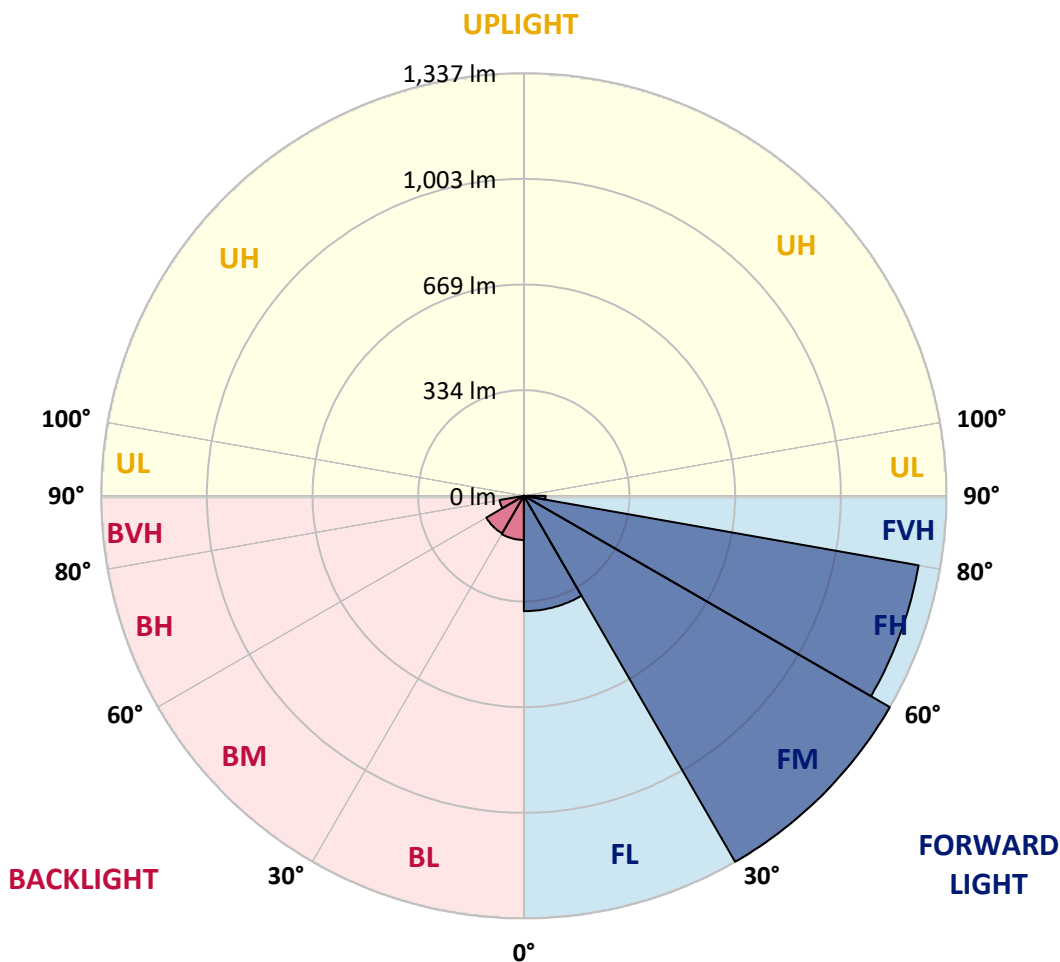


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.0	10.8			
FM (30°-60°)	1337.1	39.4			
FH (60°-80°)	1268.4	37.4			G1/1800
FVH (80°-90°)	68.7	2.0			G1/100
BL (0°-30°)	139.7	4.1	B1/500		
BM (30°-60°)	137.2	4.0	B0/220		
BH (60°-80°)	77.9	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°	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8
2.5°	1072.9	1076.9	1067.3	1078.5	1068.1	1072.9	1067.3	1065.7	1066.5	1067.3	1060.9
5°	1022.7	1032.3	1036.3	1029.9	1045.0	1042.6	1052.2	1053.0	1049.0	1045.0	1045.8
7.5°	956.7	966.2	970.2	974.2	989.3	1009.2	1021.9	1014.0	1020.4	1034.7	1013.2
10°	908.9	906.5	905.7	913.7	942.4	959.1	980.6	978.2	994.1	1007.6	990.1
12.5°	850.0	845.3	859.6	865.9	891.4	920.9	937.6	955.1	971.0	985.3	965.4
15°	806.3	810.2	815.8	829.3	847.6	886.6	911.3	928.0	956.7	963.8	955.9
17.5°	771.2	774.4	782.4	789.5	812.6	850.0	889.0	908.9	939.2	958.3	933.6
20°	772.0	762.5	762.5	769.6	782.4	826.9	868.3	874.7	916.1	948.7	932.0
22.5°	772.8	769.6	762.5	761.7	767.3	799.1	841.3	855.6	900.2	938.4	918.5
25°	784.0	772.0	772.8	761.7	764.1	780.0	813.4	834.9	885.8	943.9	911.3
27.5°	793.5	799.1	787.9	783.2	769.6	768.8	796.7	815.0	878.7	956.7	916.1
30°	815.0	819.0	819.0	815.8	803.1	784.8	791.1	814.2	864.4	954.3	908.1
32.5°	850.8	843.7	853.2	848.4	831.7	803.1	808.6	820.6	873.1	984.5	920.9
35°	862.8	868.3	881.1	870.7	865.1	848.4	837.3	846.0	885.8	1014.8	940.0
37.5°	899.4	891.4	900.2	923.3	928.8	898.6	877.1	889.8	933.6	1050.6	957.5
40°	902.6	908.9	924.8	970.2	975.8	963.0	945.5	948.7	981.4	1096.8	1001.2
42.5°	918.5	925.6	958.3	996.5	1026.7	1029.1	1016.4	1016.4	1044.2	1170.8	1049.8
45°	949.5	937.6	979.8	1044.2	1088.0	1096.8	1113.5	1109.5	1131.8	1248.8	1140.5
47.5°	961.5	965.4	1011.6	1089.6	1139.7	1180.3	1208.2	1209.0	1220.1	1348.3	1258.3
50°	1000.5	999.7	1055.4	1127.8	1201.8	1275.8	1330.0	1330.0	1329.2	1445.4	1359.4
52.5°	1052.2	1050.6	1093.6	1179.5	1275.8	1369.0	1440.6	1443.0	1461.3	1564.8	1475.6
55°	1136.6	1129.4	1170.8	1234.5	1349.9	1462.9	1587.0	1587.8	1573.5	1649.9	1559.2
57.5°	1207.4	1206.6	1240.8	1302.1	1432.6	1583.9	1727.9	1749.4	1704.0	1737.5	1626.0
60°	1189.1	1199.4	1270.3	1361.0	1520.2	1735.1	1879.9	1913.4	1840.9	1797.2	1676.2
62.5°	1075.3	1099.1	1176.3	1321.2	1594.2	1954.7	2089.3	2074.1	1912.6	1848.1	1737.5
65°	773.6	797.5	893.0	1110.3	1508.2	2109.9	2364.6	2296.2	2039.9	1923.7	1819.4
67.5°	455.3	464.8	524.5	708.4	1127.8	2025.6	2698.9	2704.5	2290.6	2039.9	1961.1
70°	328.7	335.9	359.0	417.9	624.8	1587.8	2885.2	3030.0	2638.4	2173.6	1886.3
72.5°	252.3	252.3	291.3	347.8	398.0	951.1	2655.1	2945.6	2714.0	2045.5	1520.2
75°	181.5	186.2	228.4	299.3	366.9	477.5	1956.3	2337.6	2300.2	1657.9	1061.7
77.5°	104.3	106.7	160.8	250.7	344.6	327.9	1209.0	1584.6	1629.2	1037.9	460.0
80°	53.3	54.9	89.9	198.2	312.0	285.7	721.1	1043.4	885.0	301.6	106.7
82.5°	26.3	26.3	40.6	126.5	265.0	253.1	424.2	576.2	313.6	69.2	44.6
85°	8.8	9.6	18.3	71.6	191.8	152.8	259.5	273.8	105.1	26.3	24.7
87.5°	2.4	3.2	4.8	26.3	83.6	100.3	154.4	175.1	43.0	10.3	11.9
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°	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8	1053.8
2.5°	1037.1	1031.5	1025.1	1009.2	996.5	979.8	968.6	959.9	943.1	946.3	939.2
5°	1026.7	1016.4	979.8	944.7	912.9	864.4	830.9	809.4	791.9	774.4	787.2
7.5°	1008.4	983.7	926.4	861.2	793.5	729.8	666.2	628.0	600.1	574.6	573.8
10°	977.4	937.6	847.6	762.5	658.2	574.6	493.5	429.8	388.4	358.2	357.4
12.5°	942.4	901.0	787.9	649.5	529.3	411.5	314.4	246.7	207.7	183.9	180.7
15°	920.1	859.6	713.1	549.2	400.3	268.2	174.3	132.1	117.0	111.4	111.4
17.5°	891.4	822.2	639.1	444.9	277.8	155.2	113.0	101.9	101.1	99.5	97.9
20°	879.5	793.5	573.1	355.0	175.9	109.8	97.1	94.7	94.7	93.1	91.5
22.5°	847.6	752.1	503.0	260.3	117.0	96.3	91.5	88.3	86.8	85.2	86.8
25°	833.3	722.7	437.0	179.9	95.5	86.0	83.6	80.4	78.0	77.2	77.2
27.5°	823.8	693.2	372.5	125.0	84.4	78.8	74.0	71.6	68.4	65.3	65.3
30°	816.6	670.2	310.4	92.3	75.6	70.0	66.1	60.5	56.5	53.3	53.3
32.5°	807.0	643.1	248.3	78.8	68.4	62.9	55.7	50.9	45.4	43.0	43.0
35°	810.2	624.8	195.0	70.0	61.3	54.1	47.8	41.4	35.8	33.4	32.6
37.5°	816.6	611.3	148.0	62.9	54.9	47.0	39.8	32.6	29.4	26.3	26.3
40°	843.7	607.3	109.0	58.1	50.1	41.4	33.4	27.1	23.9	21.5	20.7
42.5°	889.0	612.8	84.4	52.5	45.4	35.0	27.9	22.3	19.1	16.7	15.9
45°	947.1	634.3	69.2	49.3	39.8	29.4	22.3	18.3	14.3	12.7	12.7
47.5°	1031.5	667.8	60.5	45.4	35.0	24.7	19.1	14.3	11.1	9.6	9.6
50°	1127.0	706.0	53.3	40.6	30.2	20.7	15.1	11.1	8.0	7.2	7.2
52.5°	1222.5	754.5	49.3	37.4	26.3	16.7	11.9	8.0	5.6	4.8	4.8
55°	1322.8	797.5	44.6	35.0	21.5	13.5	8.8	4.8	3.2	2.4	2.4
57.5°	1392.8	814.2	39.0	30.2	16.7	10.3	6.4	3.2	1.6	0.8	0.8
60°	1443.0	816.6	33.4	24.7	12.7	8.0	4.0	1.6	0.8	0.0	0.0
62.5°	1485.2	821.4	28.7	19.1	9.6	5.6	2.4	0.8	0.0	0.0	0.0
65°	1568.7	817.4	23.1	15.1	6.4	3.2	1.6	0.0	0.0	0.0	0.0
67.5°	1634.8	777.6	18.3	10.3	4.0	1.6	0.8	0.0	0.0	0.0	0.0
70°	1446.2	593.0	14.3	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0
72.5°	1135.8	395.6	9.6	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	745.0	196.6	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	289.7	51.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	70.0	17.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.2	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.3	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	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)