

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: P675438

Luminaire Tested: **CCW-SA-2A-760-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675438
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

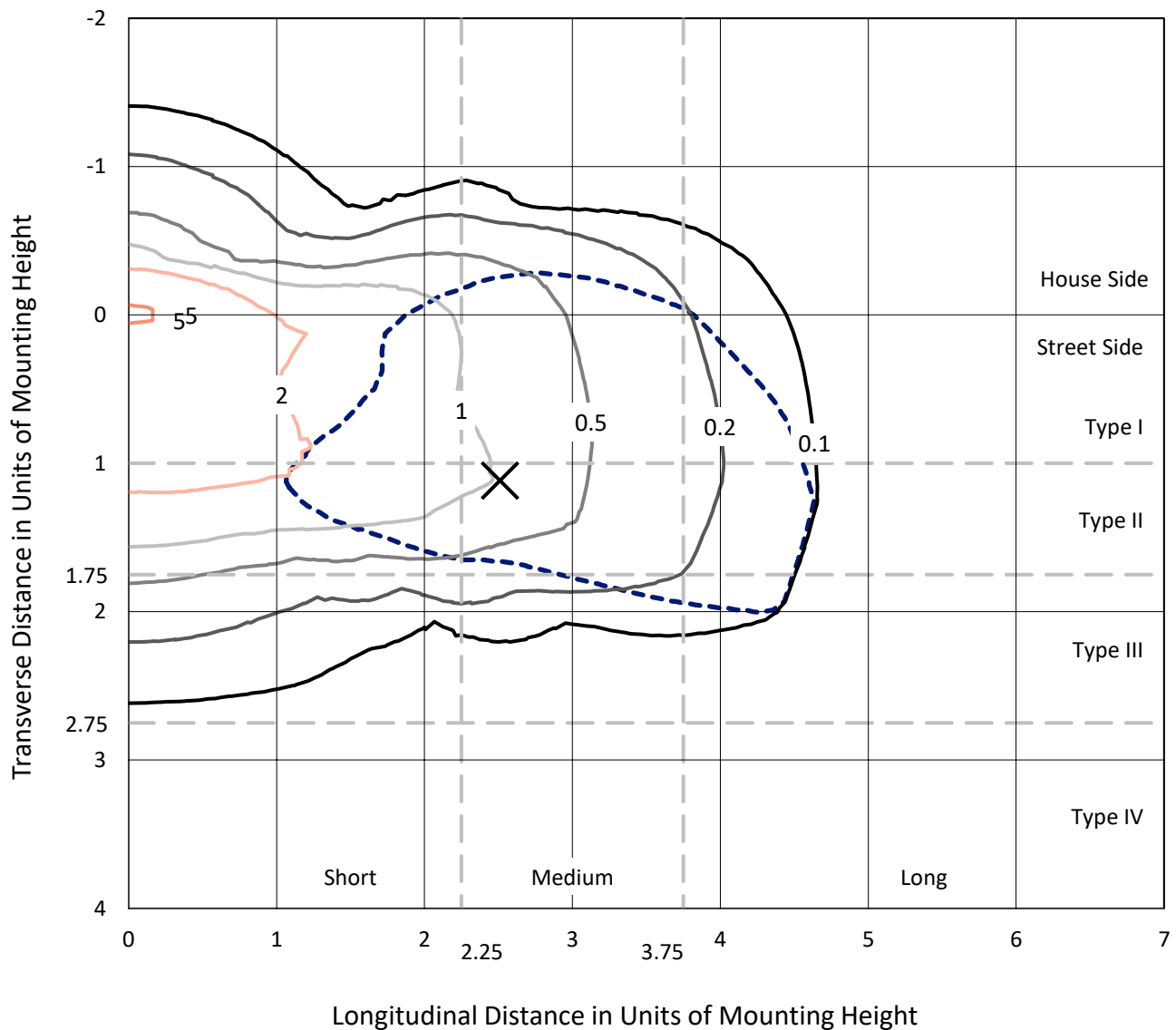
Lumens per Lamp: N/A
Luminaire Lumens: 5539.2 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

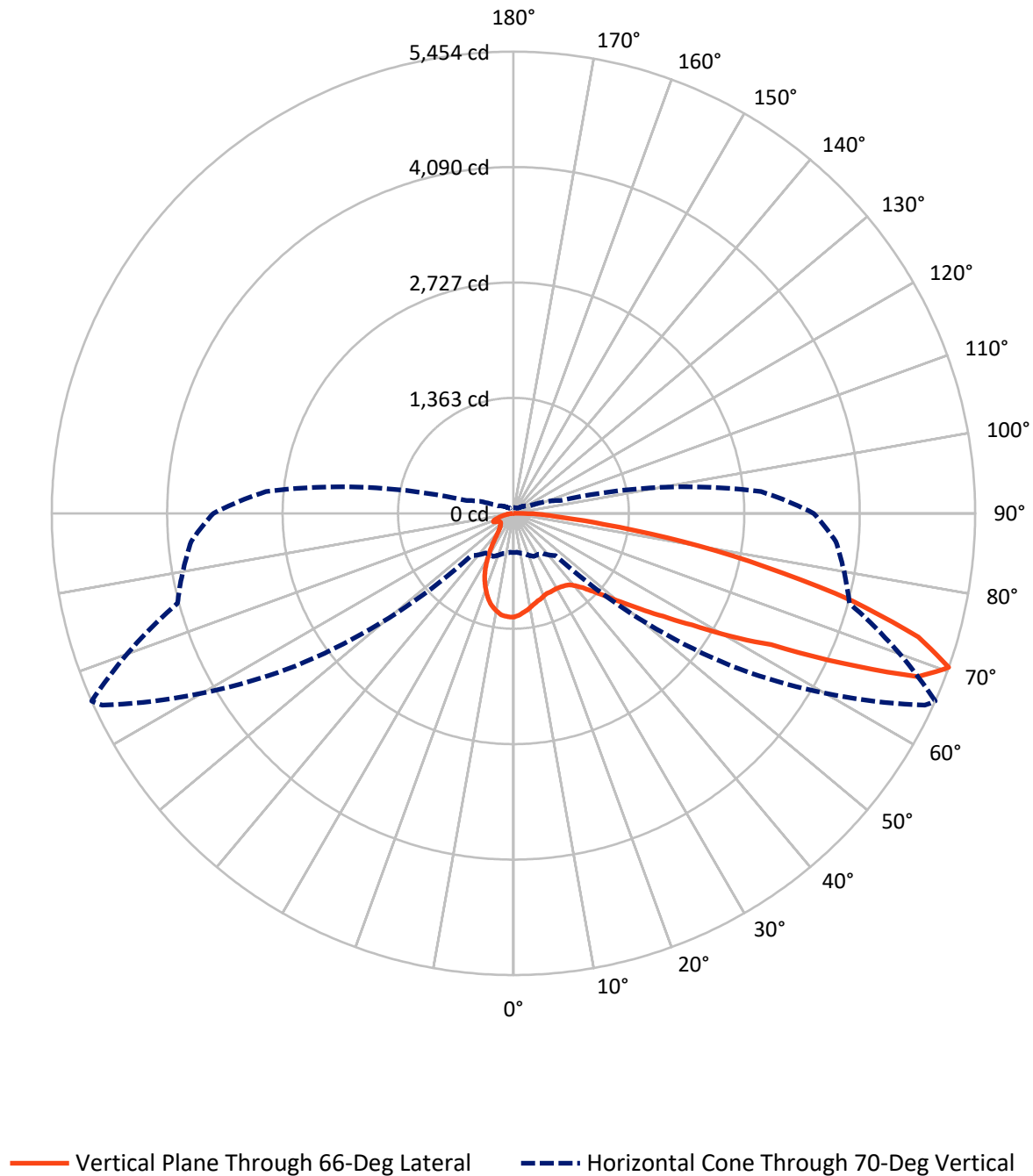
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.8	0.0	1133.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4405.4	0.0	4405.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	5539.2	0.0	5539.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	2.0
10°-20°	266.4	4.8
20°-30°	365.8	6.6
30°-40°	490.5	8.9
40°-50°	711.7	12.8
50°-60°	1081.8	19.5
60°-70°	1336.0	24.1
70°-80°	993.5	17.9
80°-90°	185.3	3.3
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°	5539.2	100.0
0°-180°	5539.2	100.0

Coefficient of Utilization



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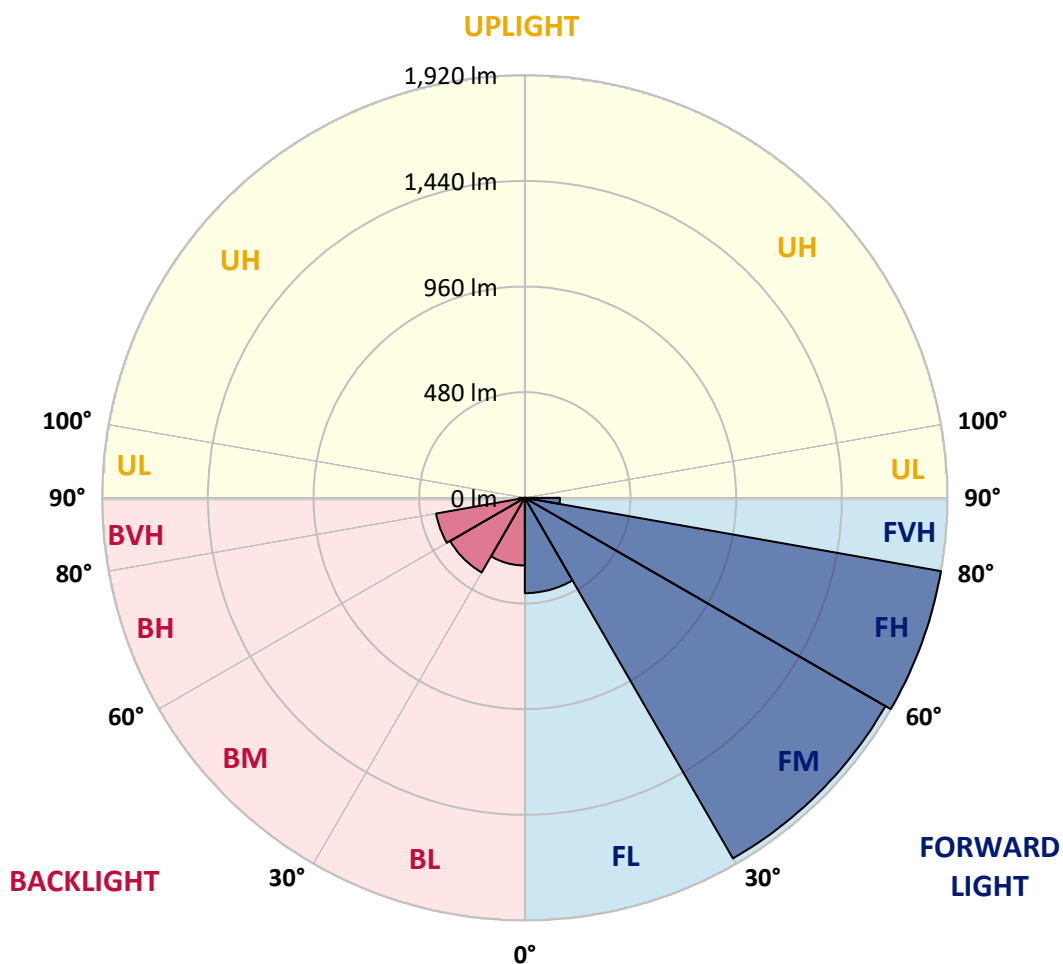
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.1	7.8			
FM	(30°-60°)	1892.3	34.2			
FH	(60°-80°)	1920.3	34.7			G2/5000
FVH	(80°-90°)	159.7	2.9			G2/225
BL	(0°-30°)	307.3	5.5	B1/500		
BM	(30°-60°)	391.7	7.1	B1/1000		
BH	(60°-80°)	409.3	7.4	B1/500		G1/500
BVH	(80°-90°)	25.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8
2.5°	1164.0	1170.2	1172.3	1176.4	1186.7	1194.9	1207.3	1213.5	1207.3	1215.5	1215.5
5°	1083.7	1075.4	1096.1	1104.3	1116.7	1133.1	1162.0	1184.6	1178.5	1203.2	1223.8
7.5°	1015.7	1015.7	1021.9	1040.4	1054.8	1079.6	1110.5	1145.5	1155.8	1188.8	1219.7
10°	953.9	962.1	962.1	991.0	999.2	1028.1	1079.6	1122.8	1124.9	1180.5	1223.8
12.5°	920.9	916.8	937.4	945.7	970.4	999.2	1040.4	1094.0	1096.1	1155.8	1215.5
15°	894.1	898.3	908.6	929.2	951.8	974.5	1013.6	1063.1	1073.4	1143.4	1211.4
17.5°	896.2	898.3	898.3	912.7	931.2	958.0	995.1	1052.8	1059.0	1127.0	1205.2
20°	908.6	900.3	906.5	912.7	925.1	949.8	980.7	1030.1	1036.3	1124.9	1219.7
22.5°	935.4	929.2	927.1	925.1	923.0	937.4	976.6	1017.8	1023.9	1114.6	1225.8
25°	978.6	976.6	962.1	947.7	937.4	937.4	968.3	1028.1	1026.0	1114.6	1230.0
27.5°	1030.1	1030.1	1028.1	1001.3	970.4	953.9	974.5	1023.9	1021.9	1114.6	1240.3
30°	1100.2	1100.2	1094.0	1069.3	1013.6	966.3	978.6	1019.8	1026.0	1106.4	1232.0
32.5°	1176.4	1174.3	1180.5	1157.9	1100.2	1023.9	1003.3	1028.1	1034.2	1114.6	1234.1
35°	1232.0	1244.4	1265.0	1244.4	1186.7	1083.7	1038.4	1044.5	1048.7	1116.7	1242.3
37.5°	1295.9	1310.3	1339.2	1355.6	1293.8	1174.3	1094.0	1071.3	1071.3	1143.4	1244.4
40°	1388.6	1374.2	1423.6	1452.5	1427.7	1285.6	1180.5	1120.8	1122.8	1178.5	1271.2
42.5°	1456.6	1471.0	1522.5	1574.0	1543.1	1421.6	1275.3	1201.1	1201.1	1230.0	1312.4
45°	1532.8	1549.3	1621.4	1683.2	1705.9	1584.3	1405.1	1316.5	1312.4	1330.9	1386.5
47.5°	1617.3	1640.0	1722.4	1794.5	1854.2	1753.3	1572.0	1456.6	1454.5	1469.0	1510.2
50°	1714.1	1722.4	1790.4	1922.2	2041.7	1977.8	1775.9	1654.4	1644.1	1650.3	1705.9
52.5°	1743.0	1736.8	1815.1	1957.2	2175.6	2251.8	2054.1	1878.9	1874.8	1860.4	1932.5
55°	1637.9	1658.5	1734.7	1916.0	2284.8	2575.3	2359.0	2185.9	2148.8	2109.7	2196.2
57.5°	1427.7	1429.8	1516.3	1730.6	2200.3	2843.1	2876.1	2486.7	2488.8	2383.7	2482.6
60°	1110.5	1104.3	1172.3	1365.9	1959.3	2925.5	3440.6	2966.8	2946.2	2657.7	2748.4
62.5°	801.4	789.1	803.5	916.8	1464.8	2799.9	3994.8	3504.5	3417.9	2937.9	3008.0
65°	659.3	665.5	671.6	677.8	822.0	2309.5	4165.8	4382.1	4266.8	3265.5	3294.3
67.5°	546.0	550.1	576.9	614.0	609.8	1363.9	3968.0	5193.9	5150.6	3671.4	3541.6
70°	463.6	461.5	492.4	560.4	570.7	708.7	3141.9	5360.8	5453.5	4108.1	3821.8
72.5°	370.8	375.0	401.7	492.4	560.4	597.5	1808.9	5002.3	5000.2	4443.9	3671.4
75°	265.8	265.8	302.9	407.9	541.8	591.3	1001.3	4060.7	4137.0	4176.1	3185.1
77.5°	175.1	183.4	212.2	304.9	508.9	578.9	634.6	2952.3	3047.1	3123.3	2437.3
80°	119.5	123.6	142.2	212.2	430.6	583.0	519.2	1986.1	2023.2	1724.4	988.9
82.5°	72.1	74.2	94.8	148.3	309.0	554.2	488.3	1096.1	1073.4	521.2	284.3
85°	39.1	41.2	59.7	98.9	204.0	484.2	480.0	537.7	500.6	191.6	119.5
87.5°	14.4	14.4	26.8	49.4	117.4	331.7	418.2	319.3	298.7	96.8	55.6
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°	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8	1223.8
2.5°	1225.8	1225.8	1225.8	1225.8	1223.8	1215.5	1221.7	1219.7	1207.3	1209.4	1201.1
5°	1221.7	1232.0	1225.8	1217.6	1207.3	1182.6	1174.3	1168.2	1151.7	1145.5	1151.7
7.5°	1232.0	1223.8	1219.7	1205.2	1164.0	1141.4	1112.5	1077.5	1052.8	1046.6	1052.8
10°	1230.0	1230.0	1211.4	1170.2	1131.1	1065.1	1028.1	966.3	931.2	920.9	923.0
12.5°	1221.7	1227.9	1199.1	1133.1	1059.0	978.6	910.6	844.7	782.9	758.2	754.0
15°	1230.0	1223.8	1172.3	1087.8	984.8	873.5	774.7	677.8	620.1	583.0	574.8
17.5°	1217.6	1211.4	1137.3	1026.0	888.0	745.8	622.2	517.1	459.4	445.0	445.0
20°	1232.0	1192.9	1096.1	951.8	787.0	605.7	465.6	387.3	372.9	372.9	377.0
22.5°	1230.0	1188.8	1061.0	879.7	665.5	457.4	346.1	323.5	325.5	342.0	339.9
25°	1217.6	1180.5	1011.6	799.4	537.7	344.1	286.4	280.2	294.6	313.2	311.1
27.5°	1215.5	1157.9	966.3	704.6	410.0	272.0	249.3	249.3	263.7	280.2	278.1
30°	1203.2	1139.3	910.6	597.5	309.0	236.9	228.7	228.7	234.9	243.1	243.1
32.5°	1201.1	1114.6	848.8	486.2	247.2	214.3	210.1	212.2	212.2	216.3	214.3
35°	1184.6	1081.6	785.0	377.0	214.3	201.9	197.8	195.7	195.7	193.7	193.7
37.5°	1178.5	1061.0	719.0	292.6	199.8	191.6	187.5	181.3	179.2	179.2	177.2
40°	1184.6	1040.4	655.2	236.9	187.5	183.4	177.2	168.9	166.9	166.9	166.9
42.5°	1207.3	1038.4	589.2	206.0	181.3	175.1	166.9	158.6	156.6	158.6	156.6
45°	1258.8	1054.8	525.4	191.6	173.1	166.9	156.6	150.4	148.3	150.4	150.4
47.5°	1343.3	1100.2	467.7	183.4	166.9	158.6	148.3	142.2	142.2	142.2	142.2
50°	1483.4	1186.7	412.0	177.2	162.8	152.5	142.2	133.9	131.9	131.9	133.9
52.5°	1693.5	1335.0	366.7	173.1	156.6	144.2	133.9	127.7	123.6	121.6	123.6
55°	1946.9	1551.4	352.3	168.9	148.3	138.0	127.7	119.5	115.4	115.4	113.3
57.5°	2218.9	1790.4	377.0	164.8	142.2	129.8	119.5	111.3	107.1	105.1	105.1
60°	2513.5	2072.6	467.7	162.8	136.0	121.6	111.3	105.1	98.9	96.8	96.8
62.5°	2781.3	2328.1	630.4	160.7	131.9	113.3	103.0	94.8	90.7	88.6	88.6
65°	3086.2	2612.4	789.1	168.9	129.8	107.1	94.8	86.5	82.4	80.3	80.3
67.5°	3352.0	2859.6	881.8	189.5	136.0	98.9	84.5	78.3	76.2	74.2	74.2
70°	3545.7	2935.8	591.3	208.1	146.3	92.7	76.2	72.1	68.0	68.0	68.0
72.5°	3286.1	2620.6	350.2	195.7	138.0	86.5	68.0	63.9	61.8	61.8	59.7
75°	2810.2	2231.2	269.9	158.6	111.3	74.2	59.7	55.6	53.6	53.6	51.5
77.5°	2074.7	1598.8	199.8	125.7	86.5	59.7	51.5	49.4	47.4	45.3	45.3
80°	811.7	700.5	136.0	92.7	63.9	47.4	43.3	41.2	39.1	37.1	37.1
82.5°	251.3	212.2	78.3	61.8	45.3	37.1	35.0	33.0	30.9	28.8	28.8
85°	109.2	105.1	51.5	39.1	30.9	24.7	24.7	22.7	20.6	18.5	18.5
87.5°	53.6	51.5	28.8	18.5	16.5	12.4	12.4	10.3	8.2	8.2	8.2
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)