

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: P671308

Luminaire Tested: **CCP-SA-2B-835-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671308
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5632 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

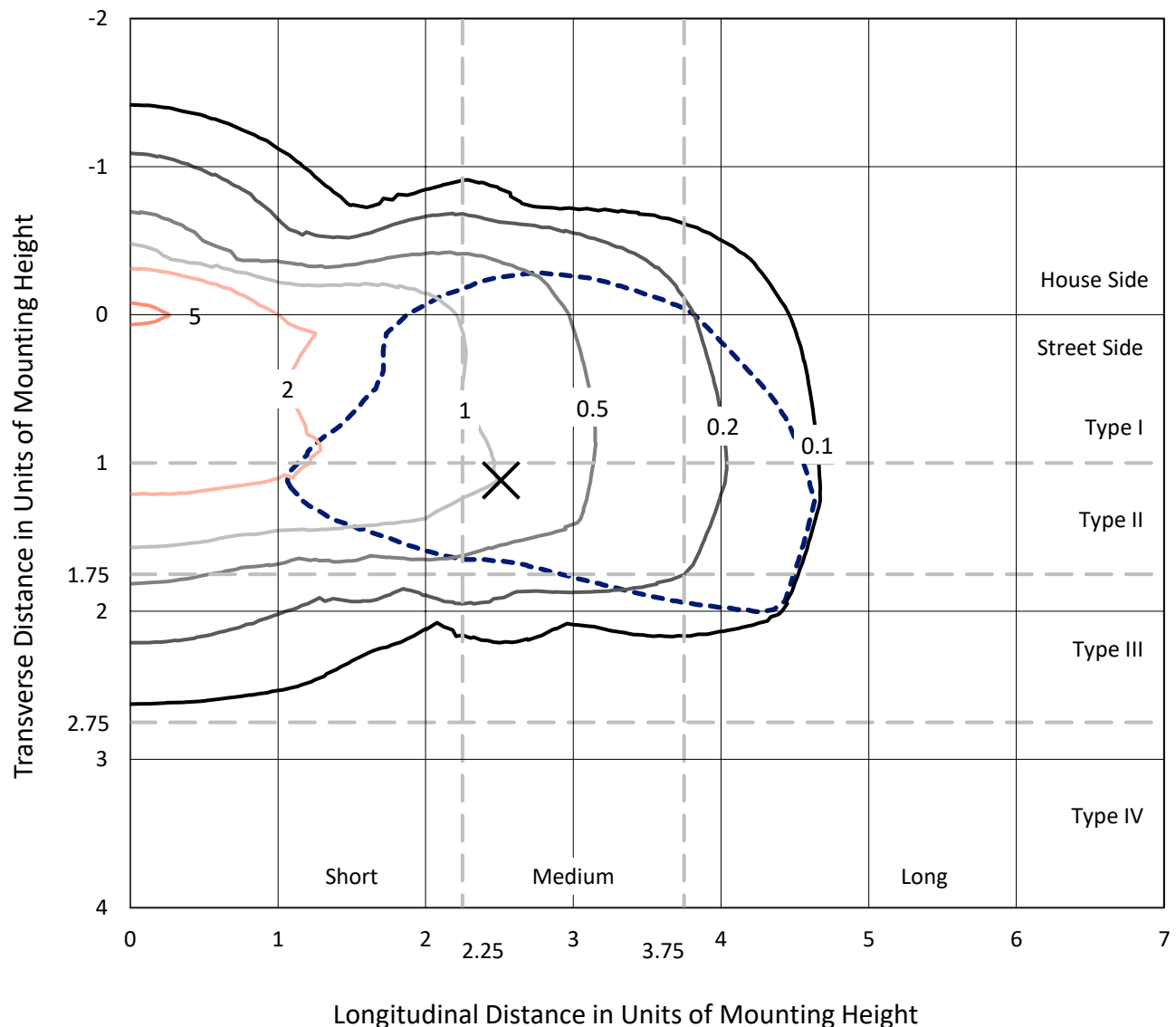
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

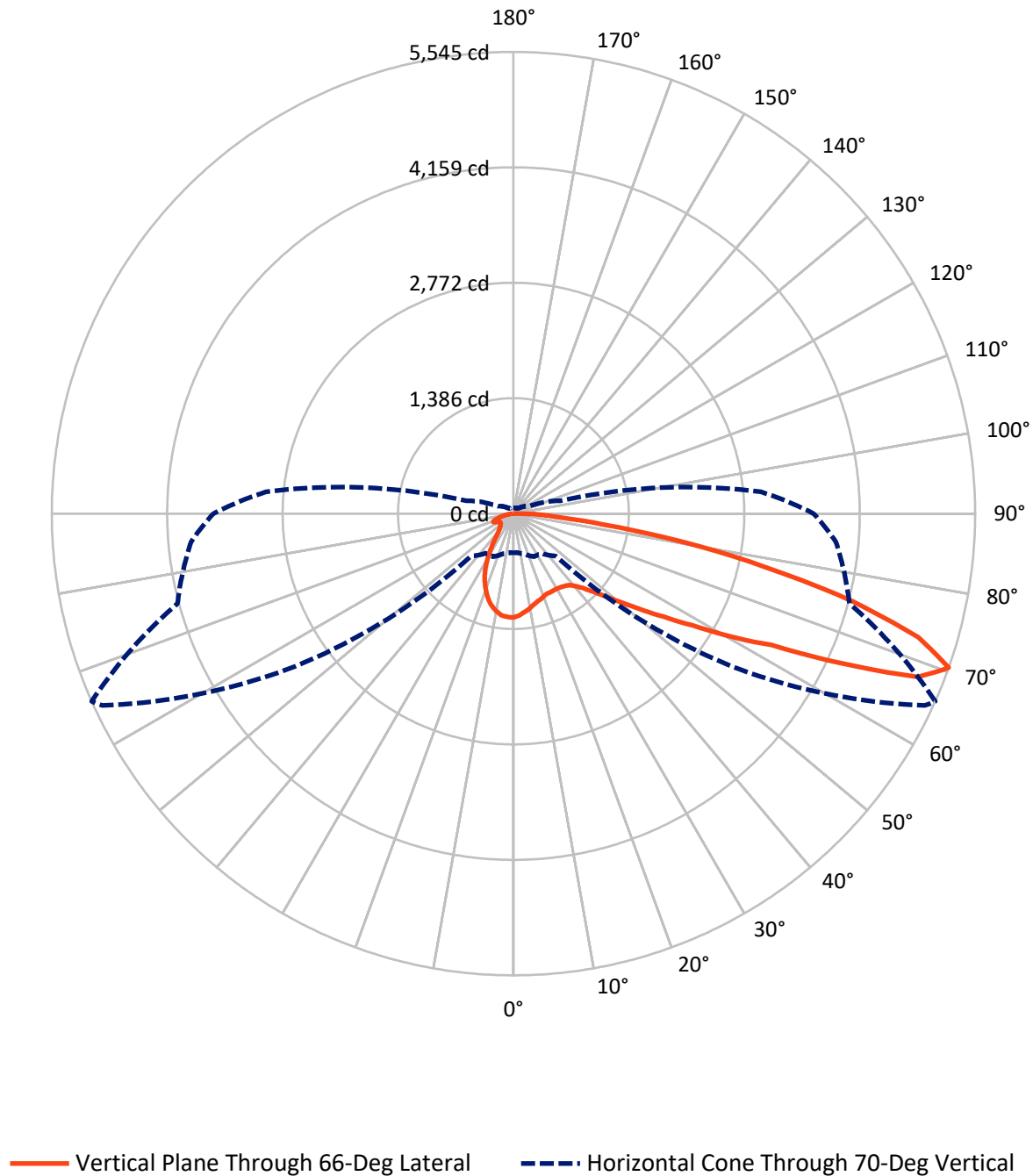
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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	1152.8	0.0	1152.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4479.2	0.0	4479.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	5632.0	0.0	5632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	2.0
10°-20°	270.8	4.8
20°-30°	372.0	6.6
30°-40°	498.7	8.9
40°-50°	723.6	12.8
50°-60°	1099.9	19.5
60°-70°	1358.4	24.1
70°-80°	1010.2	17.9
80°-90°	188.4	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°	5632.0	100.0
0°-180°	5632.0	100.0

Coefficient of Utilization



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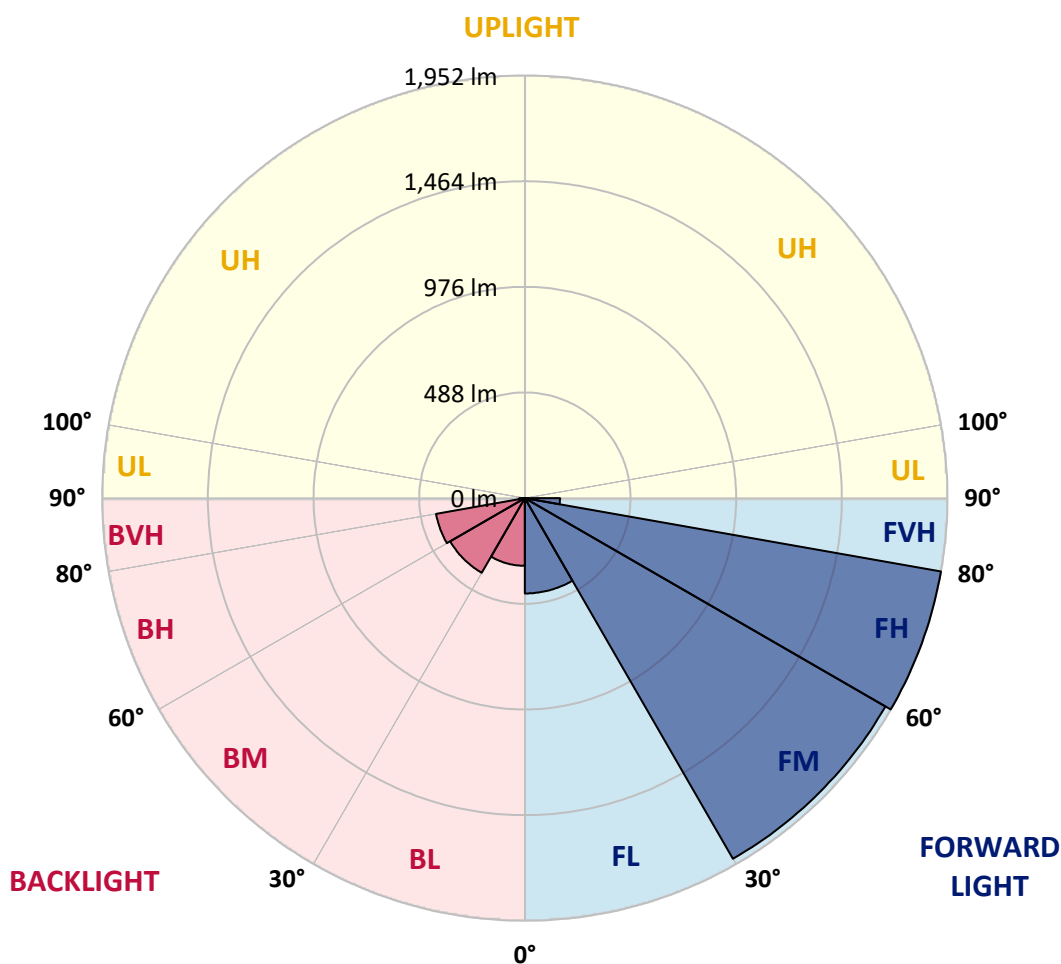
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.4	7.8			
FM	(30°-60°)	1924.0	34.2			
FH	(60°-80°)	1952.4	34.7			G2/5000
FVH	(80°-90°)	162.4	2.9			G2/225
BL	(0°-30°)	312.4	5.5	B1/500		
BM	(30°-60°)	398.2	7.1	B1/1000		
BH	(60°-80°)	416.1	7.4	B1/500		G1/500
BVH	(80°-90°)	26.0	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1183.5	1189.8	1191.9	1196.1	1206.6	1215.0	1227.5	1233.8	1227.5	1235.9	1235.9
5°	1101.8	1093.5	1114.4	1122.8	1135.4	1152.1	1181.4	1204.5	1198.2	1223.3	1244.3
7.5°	1032.7	1032.7	1039.0	1057.9	1072.5	1097.7	1129.1	1164.7	1175.2	1208.7	1240.1
10°	969.9	978.3	978.3	1007.6	1016.0	1045.3	1097.7	1141.6	1143.7	1200.3	1244.3
12.5°	936.4	932.2	953.1	961.5	986.6	1016.0	1057.9	1112.3	1114.4	1175.2	1235.9
15°	909.1	913.3	923.8	944.7	967.8	990.8	1030.6	1080.9	1091.4	1162.6	1231.7
17.5°	911.2	913.3	913.3	928.0	946.8	974.1	1011.8	1070.4	1076.7	1145.8	1225.4
20°	923.8	915.4	921.7	928.0	940.6	965.7	997.1	1047.4	1053.7	1143.7	1240.1
22.5°	951.0	944.7	942.6	940.6	938.5	953.1	992.9	1034.8	1041.1	1133.3	1246.4
25°	995.0	992.9	978.3	963.6	953.1	953.1	984.5	1045.3	1043.2	1133.3	1250.6
27.5°	1047.4	1047.4	1045.3	1018.1	986.6	969.9	990.8	1041.1	1039.0	1133.3	1261.0
30°	1118.6	1118.6	1112.3	1087.2	1030.6	982.4	995.0	1036.9	1043.2	1124.9	1252.7
32.5°	1196.1	1194.0	1200.3	1177.3	1118.6	1041.1	1020.2	1045.3	1051.6	1133.3	1254.8
35°	1252.7	1265.2	1286.2	1265.2	1206.6	1101.8	1055.8	1062.0	1066.2	1135.4	1263.1
37.5°	1317.6	1332.3	1361.6	1378.4	1315.5	1194.0	1112.3	1089.3	1089.3	1162.6	1265.2
40°	1411.9	1397.2	1447.5	1476.8	1451.7	1307.1	1200.3	1139.6	1141.6	1198.2	1292.5
42.5°	1481.0	1495.7	1548.0	1600.4	1569.0	1445.4	1296.7	1221.2	1221.2	1250.6	1334.4
45°	1558.5	1575.3	1648.6	1711.4	1734.5	1610.9	1428.6	1338.6	1334.4	1353.2	1409.8
47.5°	1644.4	1667.4	1751.2	1824.5	1885.3	1782.6	1598.3	1481.0	1478.9	1493.6	1535.5
50°	1742.8	1751.2	1820.4	1954.4	2075.9	2011.0	1805.7	1682.1	1671.6	1677.9	1734.5
52.5°	1772.2	1765.9	1845.5	1990.0	2212.1	2289.6	2088.5	1910.4	1906.2	1891.6	1964.9
55°	1665.3	1686.3	1763.8	1948.1	2323.1	2618.5	2398.5	2222.5	2184.8	2145.0	2233.0
57.5°	1451.7	1453.8	1541.7	1759.6	2237.2	2890.8	2924.3	2528.4	2530.5	2423.6	2524.2
60°	1129.1	1122.8	1191.9	1388.8	1992.1	2974.6	3498.3	3016.5	2995.5	2702.2	2794.4
62.5°	814.9	802.3	817.0	932.2	1489.4	2846.8	4061.8	3563.2	3475.2	2987.1	3058.4
65°	670.3	676.6	682.9	689.2	835.8	2348.2	4235.6	4455.6	4338.3	3320.2	3349.5
67.5°	555.1	559.3	586.5	624.2	620.1	1386.7	4034.5	5280.9	5236.9	3732.9	3600.9
70°	471.3	469.2	500.6	569.8	580.3	720.6	3194.5	5450.6	5544.8	4177.0	3885.8
72.5°	377.1	381.2	408.5	500.6	569.8	607.5	1839.2	5086.1	5084.0	4518.4	3732.9
75°	270.2	270.2	307.9	414.8	550.9	601.2	1018.1	4128.8	4206.3	4246.1	3238.5
77.5°	178.1	186.4	215.8	310.0	517.4	588.6	645.2	3001.8	3098.2	3175.7	2478.1
80°	121.5	125.7	144.5	215.8	437.8	592.8	527.9	2019.4	2057.1	1753.3	1005.5
82.5°	73.3	75.4	96.4	150.8	314.2	563.5	496.5	1114.4	1091.4	530.0	289.1
85°	39.8	41.9	60.7	100.5	207.4	492.3	488.1	546.7	509.0	194.8	121.5
87.5°	14.7	14.7	27.2	50.3	119.4	337.3	425.2	324.7	303.7	98.5	56.6
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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1246.4	1246.4	1246.4	1246.4	1244.3	1235.9	1242.2	1240.1	1227.5	1229.6	1221.2
5°	1242.2	1252.7	1246.4	1238.0	1227.5	1202.4	1194.0	1187.7	1171.0	1164.7	1171.0
7.5°	1252.7	1244.3	1240.1	1225.4	1183.5	1160.5	1131.2	1095.6	1070.4	1064.1	1070.4
10°	1250.6	1250.6	1231.7	1189.8	1150.0	1083.0	1045.3	982.4	946.8	936.4	938.5
12.5°	1242.2	1248.5	1219.2	1152.1	1076.7	995.0	925.9	858.9	796.0	770.9	766.7
15°	1250.6	1244.3	1191.9	1106.0	1001.3	888.2	787.6	689.2	630.5	592.8	584.4
17.5°	1238.0	1231.7	1156.3	1043.2	902.8	758.3	632.6	525.8	467.1	452.5	452.5
20°	1252.7	1212.9	1114.4	967.8	800.2	615.9	473.4	393.8	379.2	379.2	383.3
22.5°	1250.6	1208.7	1078.8	894.5	676.6	465.0	351.9	328.9	331.0	347.7	345.6
25°	1238.0	1200.3	1028.5	812.8	546.7	349.8	291.2	284.9	299.6	318.4	316.3
27.5°	1235.9	1177.3	982.4	716.4	416.9	276.5	253.5	253.5	268.1	284.9	282.8
30°	1223.3	1158.4	925.9	607.5	314.2	240.9	232.5	232.5	238.8	247.2	247.2
32.5°	1221.2	1133.3	863.0	494.4	251.4	217.9	213.7	215.8	215.8	220.0	217.9
35°	1204.5	1099.8	798.1	383.3	217.9	205.3	201.1	199.0	199.0	196.9	196.9
37.5°	1198.2	1078.8	731.1	297.5	203.2	194.8	190.6	184.3	182.2	182.2	180.1
40°	1204.5	1057.9	666.1	240.9	190.6	186.4	180.1	171.8	169.7	169.7	169.7
42.5°	1227.5	1055.8	599.1	209.5	184.3	178.1	169.7	161.3	159.2	161.3	159.2
45°	1279.9	1072.5	534.2	194.8	176.0	169.7	159.2	152.9	150.8	152.9	152.9
47.5°	1365.8	1118.6	475.5	186.4	169.7	161.3	150.8	144.5	144.5	144.5	144.5
50°	1508.2	1206.6	419.0	180.1	165.5	155.0	144.5	136.2	134.1	134.1	136.2
52.5°	1721.9	1357.4	372.9	176.0	159.2	146.6	136.2	129.9	125.7	123.6	125.7
55°	1979.6	1577.4	358.2	171.8	150.8	140.3	129.9	121.5	117.3	117.3	115.2
57.5°	2256.1	1820.4	383.3	167.6	144.5	132.0	121.5	113.1	108.9	106.8	106.8
60°	2555.6	2107.3	475.5	165.5	138.3	123.6	113.1	106.8	100.5	98.5	98.5
62.5°	2827.9	2367.1	641.0	163.4	134.1	115.2	104.7	96.4	92.2	90.1	90.1
65°	3138.0	2656.2	802.3	171.8	132.0	108.9	96.4	88.0	83.8	81.7	81.7
67.5°	3408.2	2907.5	896.6	192.7	138.3	100.5	85.9	79.6	77.5	75.4	75.4
70°	3605.1	2985.0	601.2	211.6	148.7	94.3	77.5	73.3	69.1	69.1	69.1
72.5°	3341.2	2664.5	356.1	199.0	140.3	88.0	69.1	64.9	62.8	62.8	60.7
75°	2857.3	2268.6	274.4	161.3	113.1	75.4	60.7	56.6	54.5	54.5	52.4
77.5°	2109.4	1625.5	203.2	127.8	88.0	60.7	52.4	50.3	48.2	46.1	46.1
80°	825.3	712.2	138.3	94.3	64.9	48.2	44.0	41.9	39.8	37.7	37.7
82.5°	255.6	215.8	79.6	62.8	46.1	37.7	35.6	33.5	31.4	29.3	29.3
85°	111.0	106.8	52.4	39.8	31.4	25.1	25.1	23.0	20.9	18.9	18.9
87.5°	54.5	52.4	29.3	18.9	16.8	12.6	12.6	10.5	8.4	8.4	8.4
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)