

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: P675739

Luminaire Tested: **CCW-SA-2C-827-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675739
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

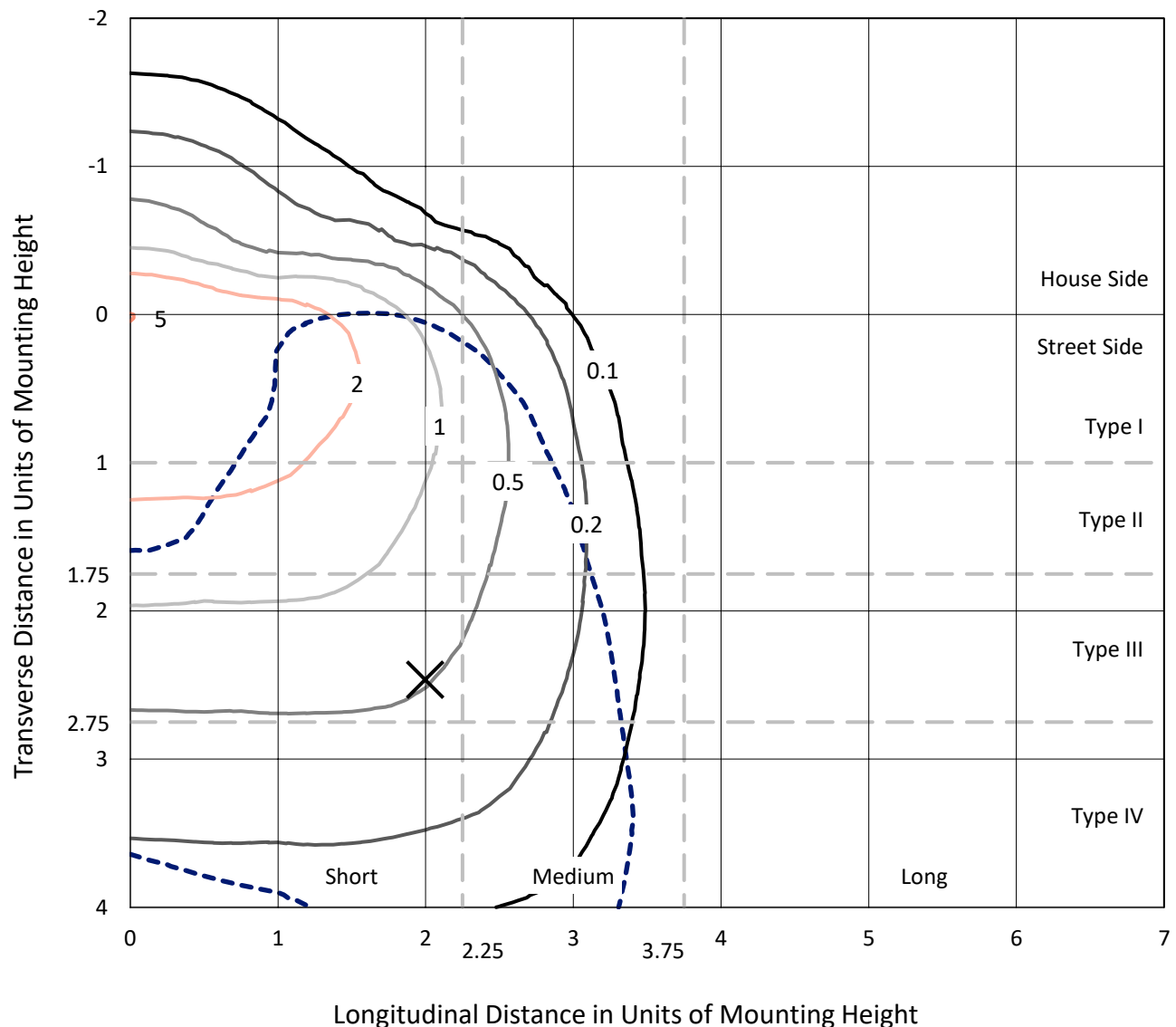
Lumens per Lamp: N/A
Luminaire Lumens: 6513 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

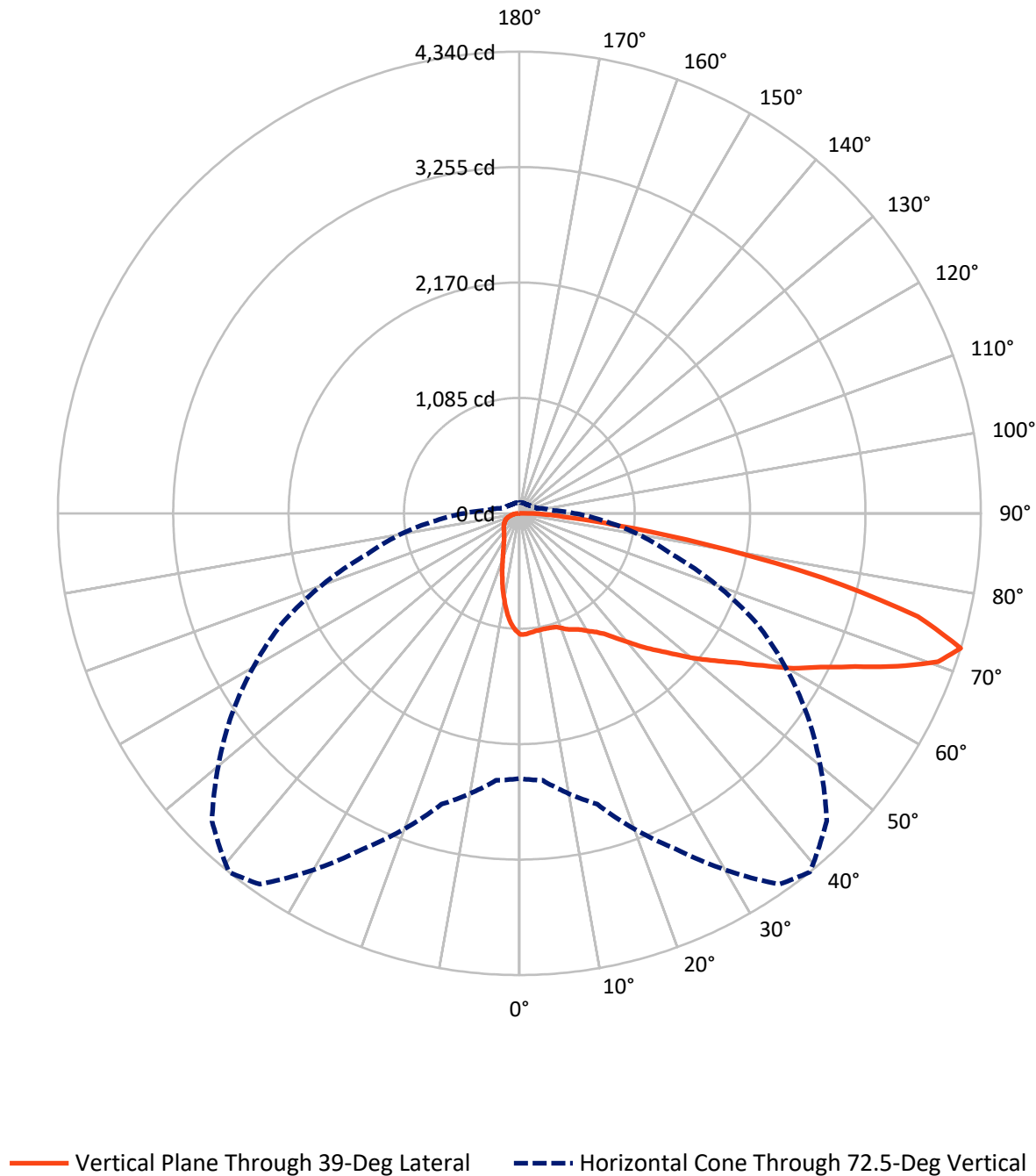
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.9	0.0	967.9
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	5545.0	0.0	5545.0
	% Fixture	85.1	0.0	85.1
Total	Lumens	6513.0	0.0	6513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.5
10°-20°	257.1	3.9
20°-30°	391.7	6.0
30°-40°	573.0	8.8
40°-50°	877.3	13.5
50°-60°	1286.6	19.8
60°-70°	1640.9	25.2
70°-80°	1185.6	18.2
80°-90°	200.0	3.1
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°	6513.0	100.0
0°-180°	6513.0	100.0

Coefficient of Utilization



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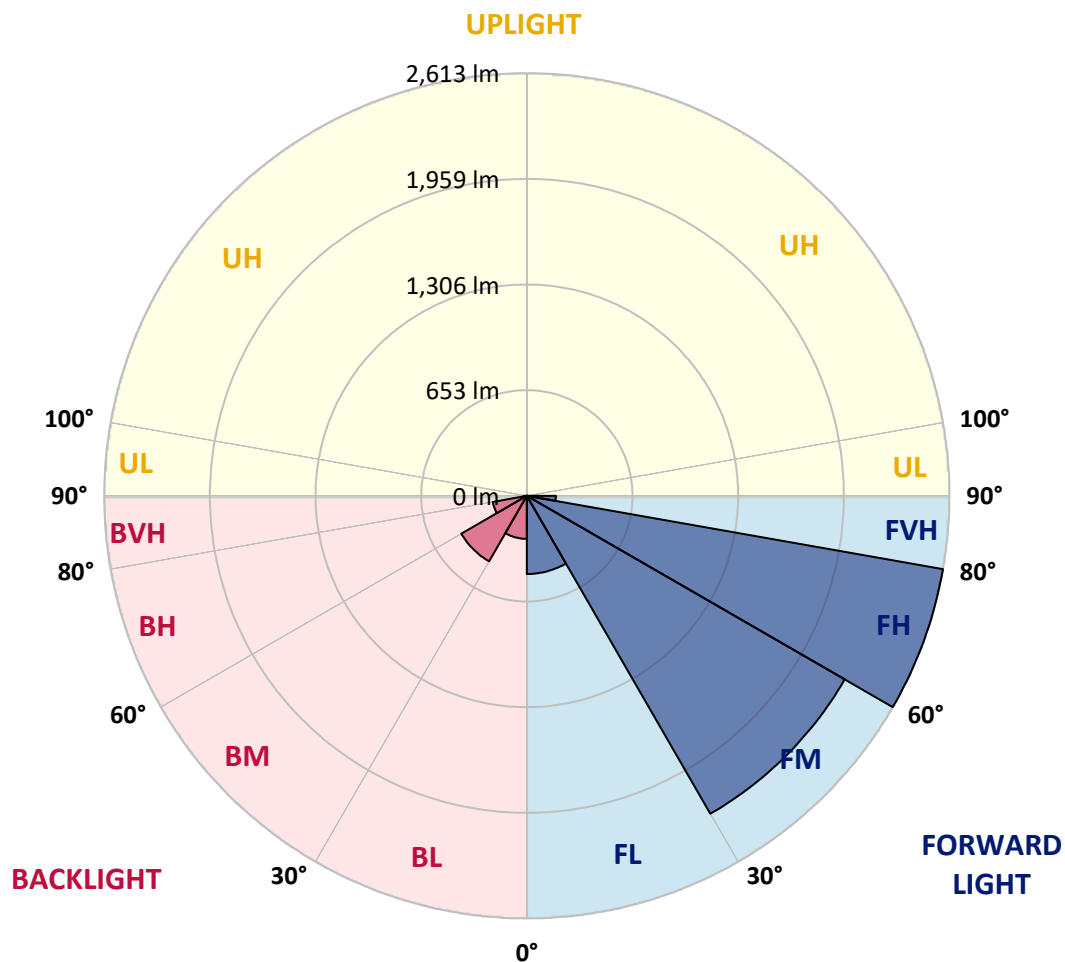
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.4	7.4			
FM	(30°-60°)	2269.3	34.8			
FH	(60°-80°)	2612.6	40.1			G2/5000
FVH	(80°-90°)	179.7	2.8			G2/225
BL	(0°-30°)	266.2	4.1	B1/500		
BM	(30°-60°)	467.6	7.2	B1/1000		
BH	(60°-80°)	213.9	3.3	B1/500		G1/500
BVH	(80°-90°)	20.3	0.3			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
2.5°	1157.2	1159.6	1154.7	1149.8	1147.4	1137.6	1147.4	1142.5	1137.6	1137.6	1137.6
5°	1142.5	1145.0	1145.0	1140.1	1142.5	1125.4	1122.9	1125.4	1118.0	1113.1	1110.7
7.5°	1120.5	1125.4	1135.2	1132.7	1122.9	1115.6	1118.0	1115.6	1103.4	1096.0	1076.4
10°	1103.4	1108.3	1113.1	1118.0	1115.6	1113.1	1110.7	1100.9	1098.5	1081.3	1061.8
12.5°	1086.2	1086.2	1088.7	1108.3	1110.7	1110.7	1096.0	1096.0	1088.7	1086.2	1056.9
15°	1069.1	1076.4	1096.0	1100.9	1110.7	1115.6	1108.3	1108.3	1096.0	1078.9	1056.9
17.5°	1074.0	1086.2	1105.8	1118.0	1122.9	1122.9	1132.7	1125.4	1108.3	1098.5	1076.4
20°	1098.5	1100.9	1125.4	1147.4	1152.3	1152.3	1142.5	1135.2	1122.9	1105.8	1076.4
22.5°	1113.1	1130.3	1159.6	1171.9	1186.5	1186.5	1174.3	1157.2	1140.1	1122.9	1091.1
25°	1176.8	1179.2	1191.4	1211.0	1218.3	1208.6	1196.3	1176.8	1154.7	1137.6	1108.3
27.5°	1220.8	1233.0	1247.7	1257.5	1245.3	1237.9	1228.1	1206.1	1189.0	1174.3	1132.7
30°	1301.5	1286.8	1296.6	1301.5	1279.5	1284.4	1257.5	1237.9	1218.3	1218.3	1171.9
32.5°	1350.5	1362.7	1352.9	1350.5	1333.3	1330.9	1313.8	1291.7	1279.5	1294.2	1230.6
35°	1436.1	1428.7	1428.7	1426.3	1406.7	1394.5	1394.5	1355.3	1367.6	1399.4	1321.1
37.5°	1480.1	1477.7	1492.4	1504.6	1485.0	1492.4	1485.0	1467.9	1472.8	1529.0	1433.6
40°	1524.2	1541.3	1570.6	1575.5	1587.8	1597.5	1592.7	1590.2	1609.8	1700.3	1585.3
42.5°	1565.7	1580.4	1624.5	1663.6	1693.0	1724.8	1727.2	1727.2	1790.8	1920.5	1768.8
45°	1619.6	1631.8	1693.0	1771.2	1820.2	1842.2	1861.8	1883.8	1969.4	2123.5	1964.5
47.5°	1693.0	1702.7	1776.1	1874.0	1969.4	1981.6	2020.8	2045.3	2174.9	2331.5	2165.1
50°	1798.2	1790.8	1849.5	1991.4	2084.4	2143.1	2199.4	2243.4	2370.6	2541.9	2321.7
52.5°	1883.8	1883.8	1927.8	2116.2	2243.4	2299.7	2358.4	2419.6	2566.4	2752.3	2448.9
55°	2030.6	2015.9	2042.8	2238.5	2422.0	2475.8	2588.4	2639.7	2781.6	2908.9	2556.6
57.5°	2130.9	2138.2	2170.0	2400.0	2632.4	2698.5	2811.0	2847.7	2972.5	3072.8	2634.9
60°	2263.0	2238.5	2307.0	2578.6	2864.8	2957.8	3050.8	3072.8	3165.7	3178.0	2671.6
62.5°	2390.2	2385.3	2444.0	2757.2	3114.4	3180.4	3275.8	3300.3	3339.4	3261.2	2620.2
65°	2468.5	2500.3	2610.4	2952.9	3398.2	3471.5	3567.0	3518.0	3474.0	3187.8	2368.2
67.5°	2576.1	2590.8	2759.6	3165.7	3726.0	3836.1	3919.3	3726.0	3398.2	2886.8	1993.9
70°	2600.6	2639.7	2859.9	3388.4	4063.6	4176.1	4181.0	3655.0	3121.7	2348.6	1445.9
72.5°	2493.0	2519.9	2830.6	3481.3	4256.9	4340.0	4088.1	3305.2	2473.4	1480.1	787.8
75°	2096.6	2172.5	2463.6	3195.1	3902.1	3870.3	3464.2	2522.3	1485.0	655.7	332.7
77.5°	1460.5	1463.0	1766.4	2324.2	2921.1	2913.8	2470.9	1463.0	636.1	264.2	195.7
80°	648.3	694.8	878.3	1252.6	1773.7	1773.7	1441.0	726.6	318.0	171.3	134.6
82.5°	381.7	396.3	469.7	584.7	863.6	910.1	689.9	484.4	217.7	107.6	83.2
85°	281.3	305.8	349.8	352.3	408.6	415.9	381.7	420.8	149.2	58.7	68.5
87.5°	210.4	225.1	278.9	232.4	217.7	205.5	234.9	430.6	56.3	29.4	22.0
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°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
2.5°	1127.8	1127.8	1122.9	1113.1	1113.1	1093.6	1098.5	1103.4	1091.1	1091.1	1093.6
5°	1110.7	1100.9	1088.7	1074.0	1064.2	1037.3	1032.4	1015.3	1012.8	1007.9	1000.6
7.5°	1076.4	1061.8	1039.8	1017.7	985.9	961.5	932.1	907.6	897.9	890.5	888.1
10°	1044.6	1042.2	1005.5	961.5	912.5	866.1	822.0	790.2	770.6	758.4	756.0
12.5°	1044.6	1025.1	973.7	912.5	841.6	773.1	716.8	672.8	645.9	626.3	619.0
15°	1039.8	1020.2	951.7	858.7	778.0	685.0	606.7	560.2	521.1	501.5	504.0
17.5°	1044.6	1015.3	919.9	819.6	707.0	606.7	513.8	457.5	418.3	403.7	401.2
20°	1047.1	1010.4	895.4	765.7	633.6	521.1	433.0	379.2	349.8	340.1	340.1
22.5°	1042.2	995.7	858.7	702.1	570.0	450.2	376.8	330.3	310.7	298.5	303.4
25°	1064.2	993.3	824.5	648.3	496.6	391.4	335.2	300.9	288.7	281.3	283.8
27.5°	1069.1	993.3	797.6	587.2	433.0	347.4	303.4	281.3	271.6	266.7	264.2
30°	1088.7	998.2	765.7	526.0	381.7	313.1	278.9	266.7	259.3	256.9	256.9
32.5°	1142.5	1012.8	731.5	474.6	337.6	283.8	261.8	252.0	247.1	244.6	247.1
35°	1206.1	1052.0	694.8	420.8	305.8	264.2	247.1	239.8	237.3	237.3	237.3
37.5°	1304.0	1110.7	663.0	376.8	278.9	244.6	232.4	230.0	227.5	230.0	230.0
40°	1416.5	1174.3	633.6	342.5	259.3	232.4	220.2	220.2	217.7	220.2	222.6
42.5°	1546.2	1252.6	604.3	308.3	242.2	222.6	212.8	210.4	208.0	212.8	215.3
45°	1724.8	1360.2	584.7	288.7	230.0	212.8	203.1	203.1	200.6	200.6	205.5
47.5°	1874.0	1463.0	584.7	269.1	222.6	205.5	195.7	195.7	190.8	193.3	193.3
50°	1998.8	1551.1	596.9	264.2	212.8	198.2	190.8	185.9	183.5	183.5	183.5
52.5°	2082.0	1604.9	606.7	259.3	208.0	188.4	183.5	181.0	176.1	173.7	176.1
55°	2165.1	1641.6	609.2	259.3	200.6	178.6	173.7	173.7	168.8	166.4	166.4
57.5°	2196.9	1626.9	574.9	254.4	195.7	171.3	166.4	163.9	161.5	159.0	159.0
60°	2182.3	1573.1	499.1	242.2	190.8	166.4	156.6	156.6	156.6	151.7	154.1
62.5°	2082.0	1389.6	401.2	222.6	183.5	156.6	146.8	151.7	151.7	149.2	149.2
65°	1817.7	1147.4	325.4	205.5	173.7	149.2	139.4	146.8	149.2	146.8	144.3
67.5°	1453.2	883.2	269.1	185.9	161.5	137.0	129.7	137.0	139.4	137.0	137.0
70°	998.2	570.0	217.7	166.4	144.3	124.8	117.4	122.3	122.3	124.8	124.8
72.5°	516.2	308.3	178.6	141.9	124.8	112.5	105.2	105.2	102.8	102.8	102.8
75°	256.9	210.4	149.2	119.9	105.2	95.4	90.5	85.6	85.6	85.6	85.6
77.5°	178.6	161.5	122.3	95.4	85.6	78.3	78.3	70.9	70.9	70.9	70.9
80°	134.6	127.2	93.0	73.4	66.1	61.2	61.2	58.7	58.7	56.3	56.3
82.5°	95.4	102.8	70.9	53.8	48.9	46.5	46.5	44.0	44.0	39.1	39.1
85°	75.8	85.6	53.8	39.1	36.7	31.8	31.8	29.4	29.4	26.9	24.5
87.5°	22.0	46.5	22.0	14.7	14.7	14.7	14.7	12.2	12.2	9.8	9.8
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)