

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: P674943

Luminaire Tested: **CCW-SA-2D-722-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674943
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-722-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

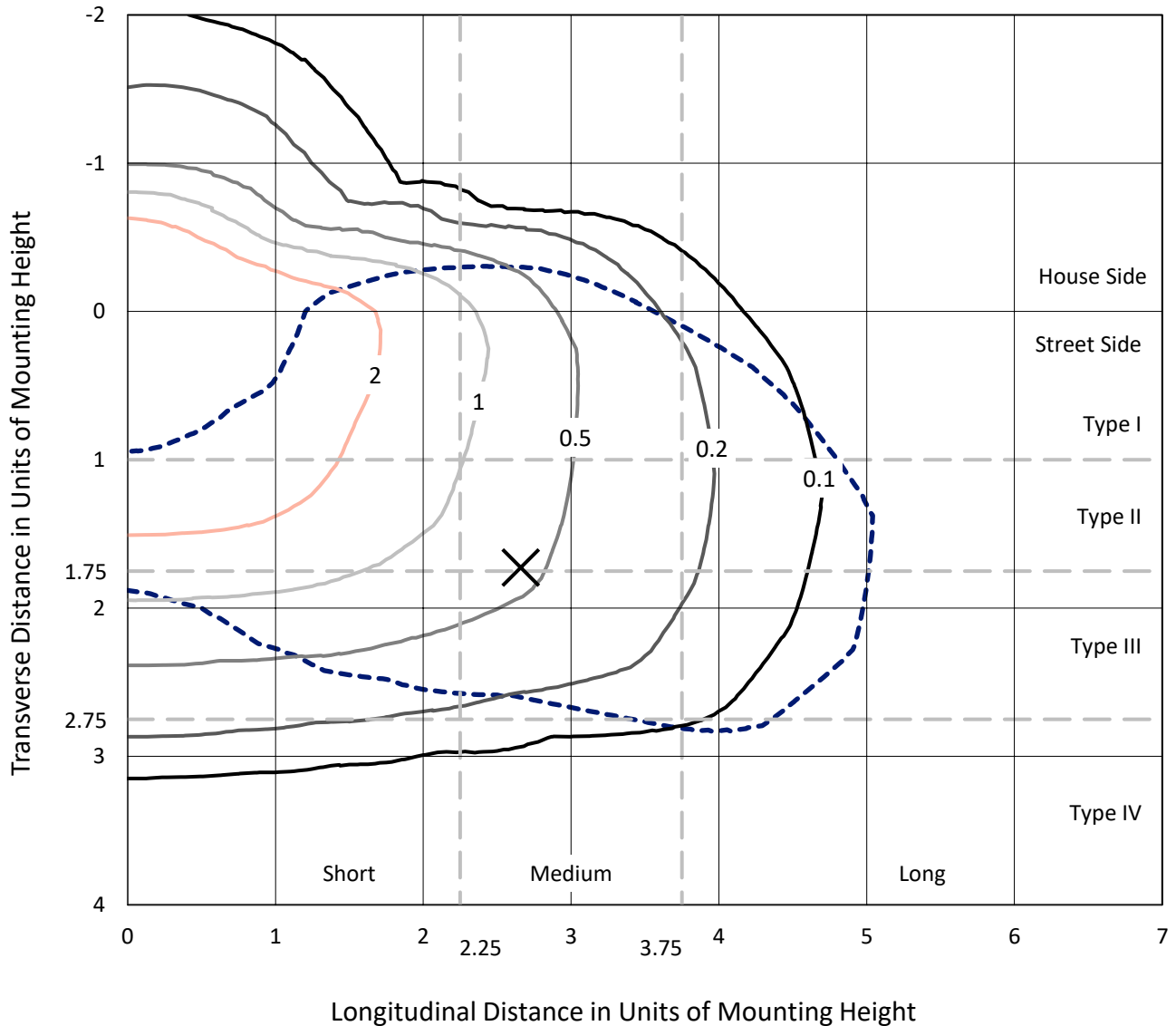
Lumens per Lamp: N/A
Luminaire Lumens: 8300.5 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

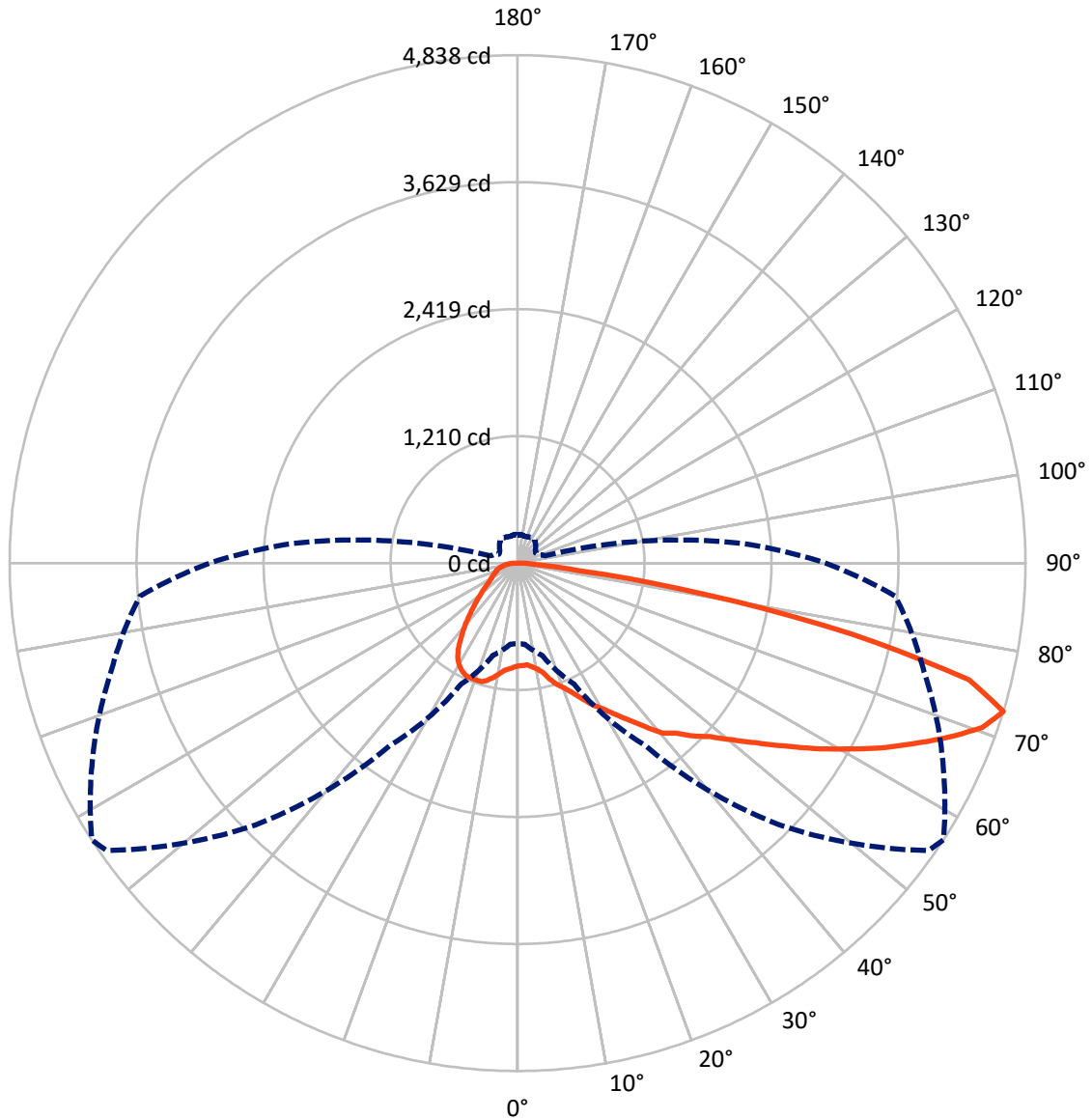
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1938.4	0.0	1938.4
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	6362.0	0.0	6362.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	8300.5	0.0	8300.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.2
10°-20°	327.7	3.9
20°-30°	599.1	7.2
30°-40°	879.0	10.6
40°-50°	1210.3	14.6
50°-60°	1659.7	20.0
60°-70°	2000.6	24.1
70°-80°	1332.7	16.1
80°-90°	194.1	2.3
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°	8300.5	100.0
0°-180°	8300.5	100.0



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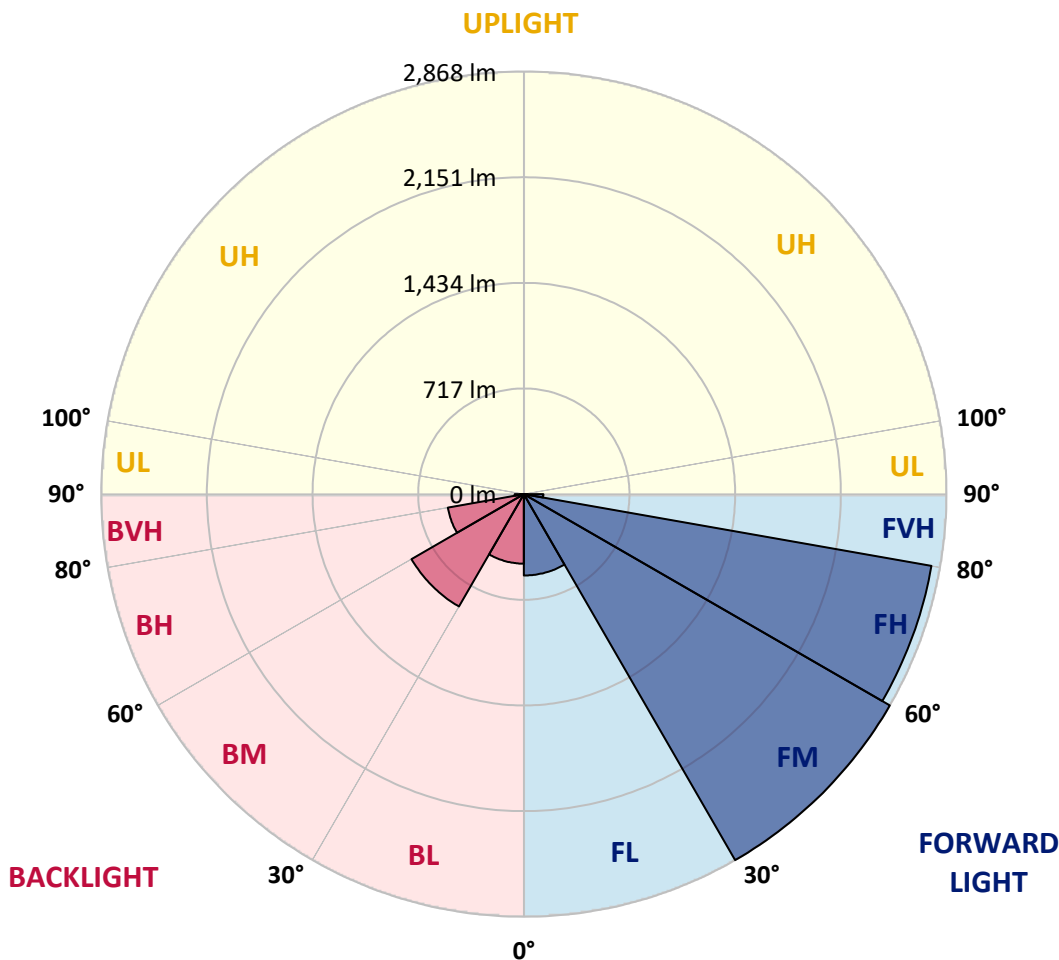
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.2	6.7			
FM (30°-60°)	2868.5	34.6			
FH (60°-80°)	2809.2	33.8			G2/5000
FVH (80°-90°)	132.2	1.6			G2/225
BL (0°-30°)	472.0	5.7	B1/500		
BM (30°-60°)	880.5	10.6	B1/1000		
BH (60°-80°)	524.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	61.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7
2.5°	961.6	964.6	970.6	967.6	967.6	958.6	973.7	976.7	970.6	973.7	979.7
5°	961.6	967.6	976.7	970.6	973.7	970.6	964.6	973.7	973.7	976.7	985.8
7.5°	1013.0	1010.0	1010.0	1000.9	997.9	994.8	997.9	997.9	991.8	994.8	994.8
10°	1070.4	1070.4	1064.4	1064.4	1058.3	1043.2	1028.1	1025.1	1016.0	1019.0	1019.0
12.5°	1130.9	1137.0	1143.0	1124.9	1118.8	1094.6	1085.6	1067.4	1067.4	1061.4	1058.3
15°	1206.5	1197.4	1203.5	1197.4	1182.3	1158.1	1143.0	1146.0	1124.9	1118.8	1109.7
17.5°	1273.0	1276.1	1267.0	1260.9	1233.7	1215.6	1218.6	1215.6	1188.4	1179.3	1164.2
20°	1351.6	1348.6	1348.6	1330.5	1306.3	1282.1	1273.0	1270.0	1276.1	1257.9	1221.6
22.5°	1433.3	1421.2	1421.2	1406.1	1372.8	1357.7	1351.6	1339.6	1345.6	1330.5	1276.1
25°	1499.8	1499.8	1521.0	1490.7	1472.6	1442.4	1430.3	1433.3	1436.3	1406.1	1342.6
27.5°	1587.5	1572.4	1593.6	1578.4	1569.4	1536.1	1521.0	1530.1	1524.0	1490.7	1403.1
30°	1699.4	1702.4	1690.3	1669.1	1657.1	1632.9	1623.8	1614.7	1623.8	1581.5	1469.6
32.5°	1838.5	1847.6	1817.3	1793.1	1772.0	1747.8	1729.6	1720.6	1729.6	1666.1	1521.0
35°	1998.7	2007.8	1983.6	1956.4	1932.2	1871.7	1856.6	1841.5	1808.2	1705.4	1569.4
37.5°	2146.9	2134.8	2128.8	2128.8	2083.4	1995.7	1986.6	1977.6	1914.1	1784.1	1635.9
40°	2246.7	2261.8	2255.8	2249.7	2243.7	2162.0	2143.9	2128.8	2022.9	1902.0	1729.6
42.5°	2358.6	2349.5	2373.7	2382.8	2361.6	2337.4	2264.8	2213.4	2119.7	2022.9	1868.7
45°	2491.6	2485.6	2494.7	2527.9	2497.7	2506.7	2385.8	2349.5	2231.6	2174.1	2044.1
47.5°	2609.6	2624.7	2670.0	2679.1	2654.9	2697.2	2527.9	2470.5	2394.9	2349.5	2225.5
50°	2661.0	2679.1	2781.9	2845.4	2848.4	2915.0	2670.0	2645.8	2543.0	2561.2	2452.3
52.5°	2618.6	2676.1	2800.1	2966.4	3069.2	3135.7	2857.5	2845.4	2751.7	2809.1	2700.3
55°	2657.9	2712.4	2794.0	3026.8	3286.9	3302.0	3117.6	3072.2	2978.5	3057.1	2957.3
57.5°	2676.1	2645.8	2800.1	3093.4	3447.2	3486.5	3365.5	3332.2	3259.7	3335.3	3277.8
60°	2534.0	2570.2	2715.4	3075.2	3456.2	3683.0	3643.7	3595.3	3528.8	3598.3	3565.1
62.5°	2373.7	2397.9	2555.1	2966.4	3507.6	3825.1	3912.8	3876.5	3782.8	3843.3	3900.7
65°	2171.1	2174.1	2349.5	2772.8	3407.8	3906.8	4148.7	4145.7	4079.1	4064.0	4154.7
67.5°	1923.1	1947.3	2086.4	2567.2	3271.8	3997.5	4381.5	4426.9	4293.8	4175.9	4209.2
70°	1475.6	1499.8	1632.9	2104.6	2993.6	3970.3	4668.8	4693.0	4432.9	4133.6	4048.9
72.5°	768.1	774.1	910.2	1270.0	2122.7	3525.8	4774.6	4838.1	4469.2	4009.6	3610.4
75°	254.0	254.0	311.5	483.8	1000.9	2255.8	4324.1	4439.0	4290.8	3701.2	2954.3
77.5°	151.2	154.2	184.5	241.9	399.1	901.1	3048.0	3250.6	3510.7	3147.8	2159.0
80°	108.9	111.9	139.1	166.3	238.9	290.3	1530.1	1811.3	2156.0	2026.0	1152.1
82.5°	81.6	81.6	108.9	124.0	163.3	172.4	426.4	583.6	931.3	725.7	317.5
85°	84.7	84.7	84.7	87.7	111.9	99.8	178.4	190.5	272.1	238.9	87.7
87.5°	30.2	33.3	84.7	57.5	57.5	42.3	69.5	75.6	96.8	99.8	33.3
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°	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7
2.5°	982.7	982.7	985.8	985.8	991.8	997.9	1006.9	1000.9	1000.9	1003.9	1000.9
5°	979.7	982.7	991.8	1006.9	1013.0	1016.0	1034.1	1034.1	1034.1	1040.2	1040.2
7.5°	991.8	997.9	1013.0	1028.1	1031.1	1040.2	1064.4	1070.4	1085.6	1091.6	1094.6
10°	1022.1	1031.1	1043.2	1061.4	1073.5	1085.6	1103.7	1124.9	1121.8	1140.0	1143.0
12.5°	1067.4	1064.4	1085.6	1103.7	1115.8	1133.9	1140.0	1140.0	1140.0	1140.0	1146.0
15°	1103.7	1109.7	1127.9	1140.0	1155.1	1152.1	1140.0	1127.9	1130.9	1127.9	1127.9
17.5°	1158.1	1158.1	1173.2	1176.3	1182.3	1152.1	1133.9	1133.9	1143.0	1143.0	1137.0
20°	1212.6	1209.5	1215.6	1212.6	1173.2	1137.0	1133.9	1137.0	1140.0	1137.0	1133.9
22.5°	1264.0	1257.9	1248.8	1236.7	1167.2	1133.9	1127.9	1112.8	1097.6	1097.6	1088.6
25°	1309.3	1303.3	1279.1	1242.8	1164.2	1115.8	1085.6	1049.3	1031.1	1022.1	1034.1
27.5°	1351.6	1339.6	1306.3	1242.8	1137.0	1067.4	1010.0	964.6	949.5	937.4	949.5
30°	1409.1	1387.9	1342.6	1233.7	1094.6	991.8	913.2	858.8	843.6	825.5	831.6
32.5°	1460.5	1412.1	1372.8	1206.5	1040.2	907.1	816.4	762.0	734.8	719.7	731.8
35°	1514.9	1466.6	1384.9	1164.2	955.5	804.3	713.6	662.2	641.0	619.9	619.9
37.5°	1569.4	1542.1	1403.1	1085.6	852.7	707.6	625.9	586.6	550.3	511.0	511.0
40°	1684.3	1648.0	1424.2	994.8	749.9	613.8	556.4	505.0	468.7	414.3	411.2
42.5°	1805.2	1726.6	1424.2	886.0	659.2	547.3	492.9	438.5	371.9	338.7	341.7
45°	1959.4	1868.7	1384.9	789.2	568.5	492.9	432.4	362.9	332.6	311.5	311.5
47.5°	2153.0	2010.8	1336.5	683.4	495.9	444.5	368.9	326.6	305.4	287.3	284.2
50°	2382.8	2140.9	1276.1	592.7	435.4	399.1	335.6	302.4	284.2	272.1	272.1
52.5°	2624.7	2331.4	1233.7	511.0	387.0	338.7	311.5	290.3	275.2	266.1	263.1
55°	2869.6	2521.9	1203.5	423.3	341.7	311.5	305.4	287.3	281.2	272.1	266.1
57.5°	3144.8	2679.1	1197.4	362.9	305.4	299.4	311.5	296.3	287.3	278.2	269.1
60°	3441.1	2890.8	1143.0	314.5	287.3	293.3	302.4	287.3	281.2	272.1	266.1
62.5°	3734.4	3048.0	994.8	278.2	269.1	275.2	287.3	275.2	266.1	269.1	272.1
65°	3855.4	3060.1	771.1	251.0	248.0	251.0	269.1	266.1	257.0	275.2	275.2
67.5°	3734.4	2951.2	544.3	226.8	226.8	241.9	272.1	278.2	269.1	293.3	290.3
70°	3459.3	2682.1	368.9	211.7	217.7	257.0	281.2	275.2	263.1	293.3	287.3
72.5°	2936.1	2146.9	269.1	196.5	205.6	244.9	278.2	272.1	263.1	275.2	263.1
75°	2204.4	1527.0	211.7	178.4	181.4	220.7	287.3	272.1	248.0	241.9	232.8
77.5°	1472.6	943.4	163.3	157.2	157.2	193.5	275.2	254.0	223.8	214.7	211.7
80°	701.5	378.0	130.0	133.0	136.1	166.3	251.0	226.8	202.6	190.5	190.5
82.5°	223.8	142.1	108.9	108.9	108.9	136.1	208.6	190.5	175.4	166.3	151.2
85°	78.6	78.6	93.7	96.8	87.7	99.8	172.4	163.3	145.1	121.0	117.9
87.5°	30.2	45.4	63.5	75.6	54.4	69.5	124.0	114.9	105.8	78.6	75.6
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)