

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: P675627

Luminaire Tested: **CCW-SA-2B-840-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675627
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-840-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL3 distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

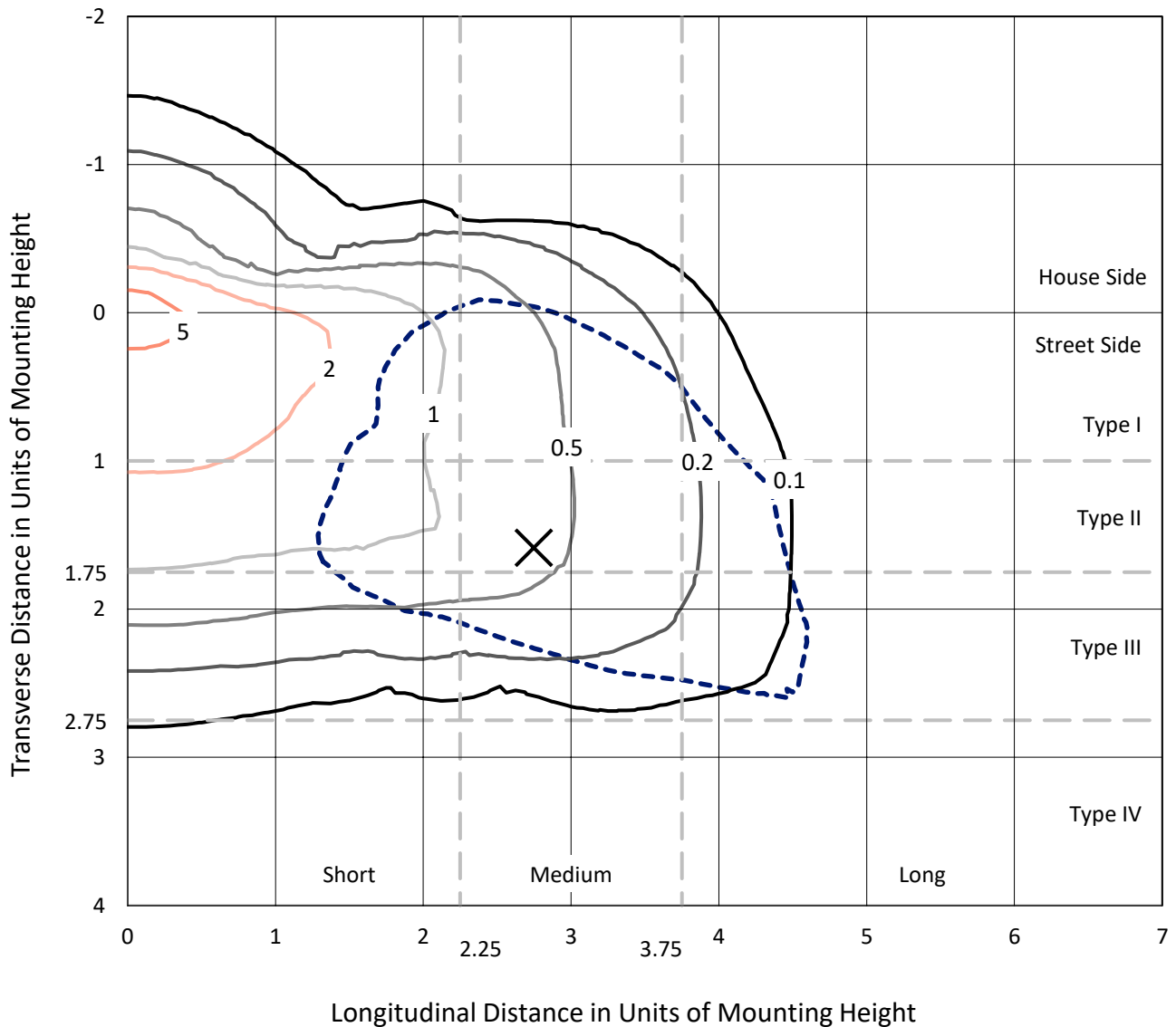
Lumens per Lamp: N/A
Luminaire Lumens: 5821.9 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

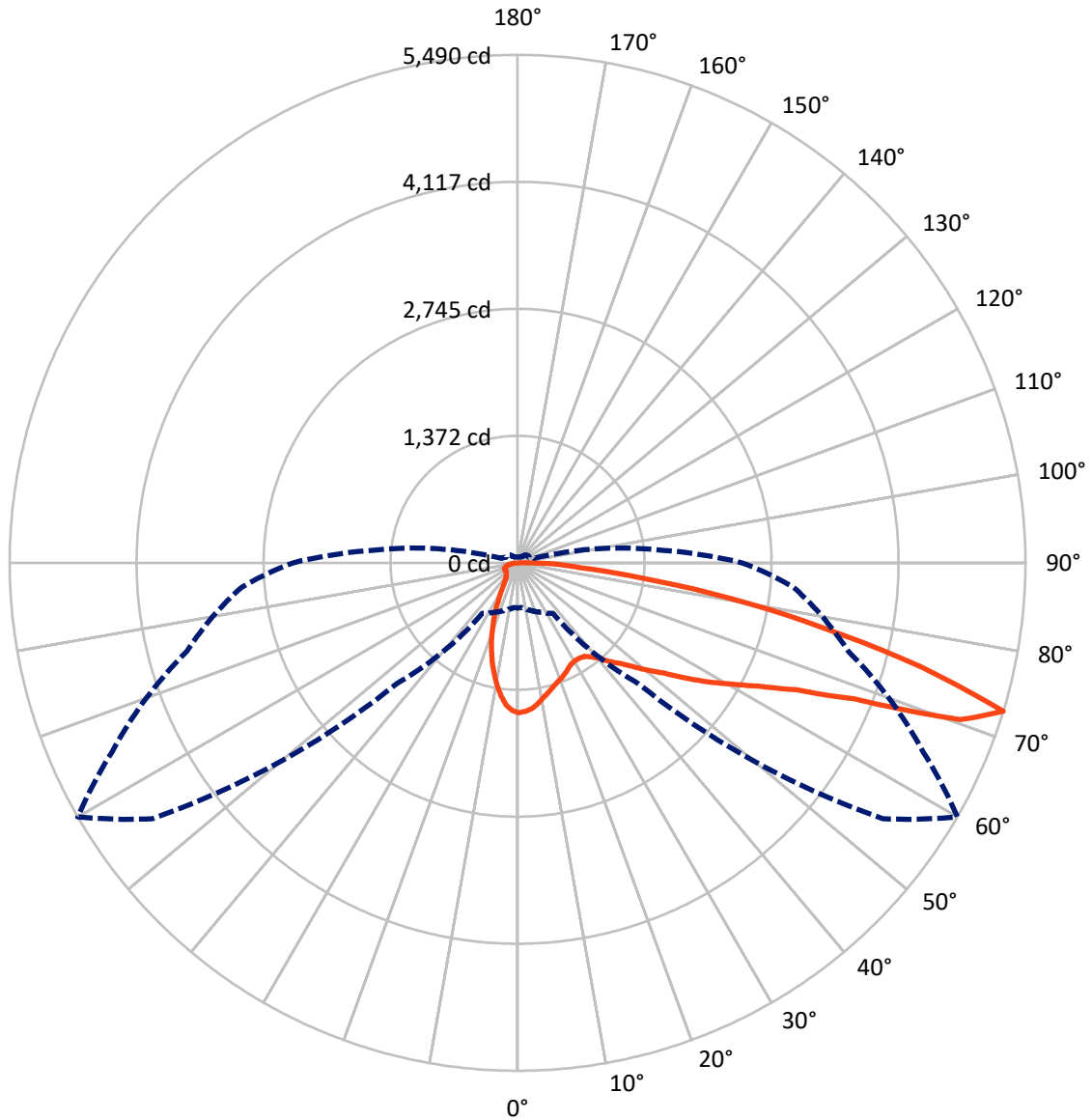
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1000.1	0.0	1000.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4821.8	0.0	4821.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	5821.9	0.0	5821.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	2.4
10°-20°	318.6	5.5
20°-30°	407.8	7.0
30°-40°	521.7	9.0
40°-50°	715.5	12.3
50°-60°	1034.9	17.8
60°-70°	1419.7	24.4
70°-80°	1065.3	18.3
80°-90°	198.0	3.4
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°	5821.9	100.0
0°-180°	5821.9	100.0

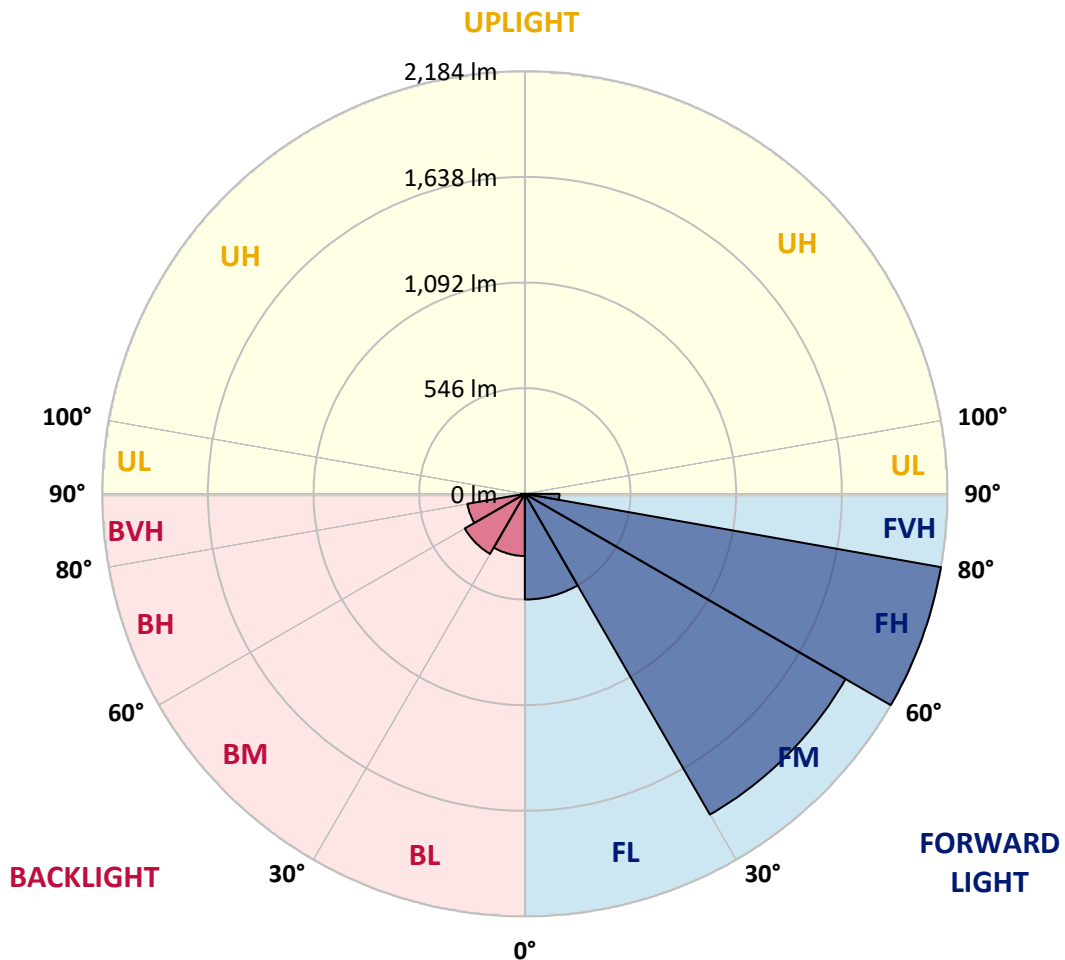


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.9	9.4			
FM (30°-60°)	1913.6	32.9			
FH (60°-80°)	2183.6	37.5			G2/5000
FVH (80°-90°)	178.7	3.1			G2/225
BL (0°-30°)	321.0	5.5	B1/500		
BM (30°-60°)	358.4	6.2	B1/1000		
BH (60°-80°)	301.4	5.2	B1/500		G1/500
BVH (80°-90°)	19.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1
2.5°	1586.4	1601.6	1605.9	1605.9	1619.0	1603.8	1625.5	1608.1	1612.4	1619.0	1614.6
5°	1510.6	1536.6	1521.4	1549.6	1538.8	1558.3	1584.3	1584.3	1577.8	1590.8	1579.9
7.5°	1436.9	1428.2	1454.2	1454.2	1471.6	1497.6	1519.3	1540.9	1543.1	1547.4	1545.3
10°	1337.2	1348.0	1361.0	1378.4	1400.1	1426.1	1471.6	1488.9	1493.2	1519.3	1512.8
12.5°	1254.8	1270.0	1278.7	1313.4	1332.9	1369.7	1421.7	1445.6	1447.7	1484.6	1484.6
15°	1194.2	1202.8	1222.3	1235.3	1278.7	1330.7	1380.6	1402.2	1426.1	1465.1	1454.2
17.5°	1153.0	1163.8	1172.5	1189.8	1231.0	1274.4	1352.4	1365.4	1393.6	1449.9	1436.9
20°	1129.1	1131.3	1144.3	1155.2	1192.0	1233.2	1302.5	1337.2	1374.0	1423.9	1410.9
22.5°	1133.5	1124.8	1122.6	1137.8	1144.3	1183.3	1267.9	1304.7	1356.7	1415.2	1393.6
25°	1142.2	1144.3	1140.0	1127.0	1129.1	1163.8	1220.2	1267.9	1326.4	1413.1	1369.7
27.5°	1163.8	1174.7	1157.3	1144.3	1131.3	1144.3	1202.8	1237.5	1302.5	1423.9	1367.5
30°	1185.5	1196.3	1192.0	1172.5	1146.5	1142.2	1183.3	1226.7	1289.5	1432.6	1367.5
32.5°	1218.0	1233.2	1218.0	1224.5	1194.2	1174.7	1189.8	1228.8	1302.5	1462.9	1369.7
35°	1254.8	1267.9	1272.2	1257.0	1250.5	1213.7	1222.3	1241.8	1315.5	1497.6	1391.4
37.5°	1296.0	1311.2	1324.2	1326.4	1304.7	1283.0	1278.7	1289.5	1348.0	1558.3	1415.2
40°	1324.2	1332.9	1358.9	1380.6	1387.1	1356.7	1354.5	1354.5	1406.6	1612.4	1458.6
42.5°	1371.9	1367.5	1404.4	1443.4	1454.2	1436.9	1441.2	1458.6	1488.9	1690.5	1527.9
45°	1395.7	1391.4	1434.7	1499.8	1549.6	1540.9	1545.3	1551.8	1579.9	1814.0	1645.0
47.5°	1428.2	1432.6	1495.4	1569.1	1621.1	1651.5	1675.3	1673.1	1694.8	1939.7	1775.0
50°	1460.7	1469.4	1545.3	1623.3	1714.3	1766.3	1801.0	1824.8	1846.5	2071.9	1924.5
52.5°	1523.6	1532.3	1616.8	1701.3	1818.3	1894.2	1980.9	1978.7	1980.9	2204.1	2074.1
55°	1614.6	1616.8	1666.6	1764.2	1922.4	2061.1	2180.3	2193.3	2156.4	2368.8	2245.3
57.5°	1718.6	1727.3	1770.7	1844.3	2004.7	2221.5	2403.5	2429.5	2329.8	2503.2	2401.3
60°	1816.2	1822.7	1889.9	1974.4	2147.8	2423.0	2628.9	2659.2	2550.9	2667.9	2563.9
62.5°	1705.6	1738.2	1857.4	2050.2	2399.2	2728.6	2915.0	2934.5	2765.4	2834.8	2737.3
65°	1365.4	1387.1	1558.3	1870.4	2416.5	3283.4	3357.1	3305.1	3060.2	3049.3	2999.5
67.5°	760.7	778.0	895.1	1222.3	2035.1	3491.5	4308.5	3927.1	3517.5	3372.3	3354.9
70°	600.3	604.7	619.8	687.0	1129.1	3077.5	5058.4	5075.7	4265.2	3816.6	3430.8
72.5°	487.6	485.5	531.0	589.5	667.5	1846.5	4822.2	5489.7	4837.3	3699.5	2988.7
75°	372.8	379.3	437.8	522.3	611.2	869.1	3597.7	4516.6	4531.8	3448.1	2520.5
77.5°	283.9	286.1	351.1	461.6	598.2	613.3	2347.2	3365.8	3380.9	2670.1	1389.2
80°	212.4	212.4	266.6	390.1	583.0	565.7	1445.6	2334.1	2113.1	938.4	303.4
82.5°	121.4	130.0	177.7	296.9	528.8	544.0	814.9	1337.2	892.9	255.7	140.9
85°	65.0	67.2	108.4	199.4	435.6	520.1	622.0	665.4	355.4	136.5	65.0
87.5°	23.8	23.8	49.8	101.9	275.2	385.8	494.1	424.8	203.7	62.9	32.5
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°	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1	1621.1
2.5°	1619.0	1610.3	1603.8	1610.3	1586.4	1575.6	1588.6	1582.1	1569.1	1562.6	1558.3
5°	1586.4	1575.6	1564.8	1558.3	1532.3	1506.3	1493.2	1467.2	1445.6	1452.1	1439.1
7.5°	1551.8	1540.9	1508.4	1478.1	1426.1	1374.0	1350.2	1313.4	1300.4	1289.5	1283.0
10°	1508.4	1488.9	1439.1	1378.4	1302.5	1244.0	1183.3	1140.0	1094.5	1075.0	1081.5
12.5°	1454.2	1443.4	1365.4	1272.2	1166.0	1068.5	996.9	927.6	866.9	834.4	825.7
15°	1430.4	1397.9	1285.2	1161.7	1027.3	905.9	799.7	678.4	606.8	572.2	572.2
17.5°	1404.4	1343.7	1209.3	1040.3	886.4	730.4	580.8	470.3	413.9	394.4	394.4
20°	1363.2	1296.0	1120.5	925.4	739.0	550.5	416.1	355.4	338.1	325.1	327.3
22.5°	1332.9	1250.5	1038.1	812.7	585.2	409.6	327.3	307.8	301.3	296.9	299.1
25°	1298.2	1196.3	951.4	691.4	459.5	322.9	283.9	275.2	279.6	281.7	281.7
27.5°	1270.0	1150.8	862.6	561.3	346.8	273.1	255.7	253.6	262.2	266.6	268.7
30°	1250.5	1109.6	775.9	442.1	277.4	242.7	234.1	234.1	244.9	249.2	251.4
32.5°	1231.0	1075.0	682.7	338.1	236.2	216.7	214.6	216.7	223.2	223.2	225.4
35°	1237.5	1042.5	593.8	273.1	212.4	199.4	199.4	199.4	201.6	203.7	203.7
37.5°	1250.5	1033.8	498.5	229.7	195.1	186.4	186.4	184.2	186.4	184.2	186.4
40°	1263.5	1020.8	411.8	203.7	184.2	177.7	175.5	171.2	169.0	169.0	171.2
42.5°	1317.7	1038.1	338.1	186.4	175.5	171.2	164.7	160.4	158.2	158.2	158.2
45°	1387.1	1070.6	279.6	177.7	169.0	158.2	153.9	151.7	147.4	149.5	151.7
47.5°	1491.1	1120.5	244.9	171.2	162.5	149.5	145.2	140.9	140.9	145.2	145.2
50°	1627.6	1202.8	223.2	164.7	156.0	143.0	136.5	134.4	134.4	140.9	140.9
52.5°	1775.0	1298.2	214.6	162.5	149.5	136.5	130.0	127.9	127.9	136.5	136.5
55°	1922.4	1415.2	221.1	162.5	145.2	130.0	123.5	119.2	121.4	127.9	127.9
57.5°	2084.9	1540.9	253.6	162.5	140.9	127.9	119.2	112.7	114.9	117.0	117.0
60°	2262.6	1705.6	309.9	162.5	138.7	123.5	112.7	104.0	104.0	106.2	106.2
62.5°	2442.5	1868.2	390.1	164.7	140.9	121.4	104.0	95.4	93.2	95.4	95.4
65°	2678.7	2128.3	470.3	164.7	147.4	117.0	97.5	86.7	84.5	84.5	86.7
67.5°	3010.3	2314.6	364.1	158.2	151.7	117.0	91.0	80.2	75.9	75.9	75.9
70°	2834.8	1952.7	231.9	147.4	145.2	121.4	86.7	73.7	69.4	67.2	67.2
72.5°	2427.3	1562.6	186.4	138.7	134.4	119.2	82.4	69.4	62.9	60.7	60.7
75°	1946.2	1233.2	162.5	125.7	117.0	99.7	75.9	62.9	58.5	54.2	54.2
77.5°	953.6	515.8	123.5	110.5	99.7	75.9	67.2	58.5	52.0	47.7	47.7
80°	238.4	179.9	91.0	86.7	73.7	58.5	54.2	49.8	45.5	41.2	41.2
82.5°	127.9	106.2	65.0	58.5	49.8	41.2	41.2	39.0	36.8	32.5	30.3
85°	65.0	62.9	43.3	39.0	32.5	26.0	28.2	28.2	26.0	19.5	19.5
87.5°	34.7	34.7	21.7	17.3	15.2	13.0	13.0	13.0	10.8	8.7	8.7
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)