

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: P671441

Luminaire Tested: **CCP-SA-2B-830-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671441
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-830-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL3 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

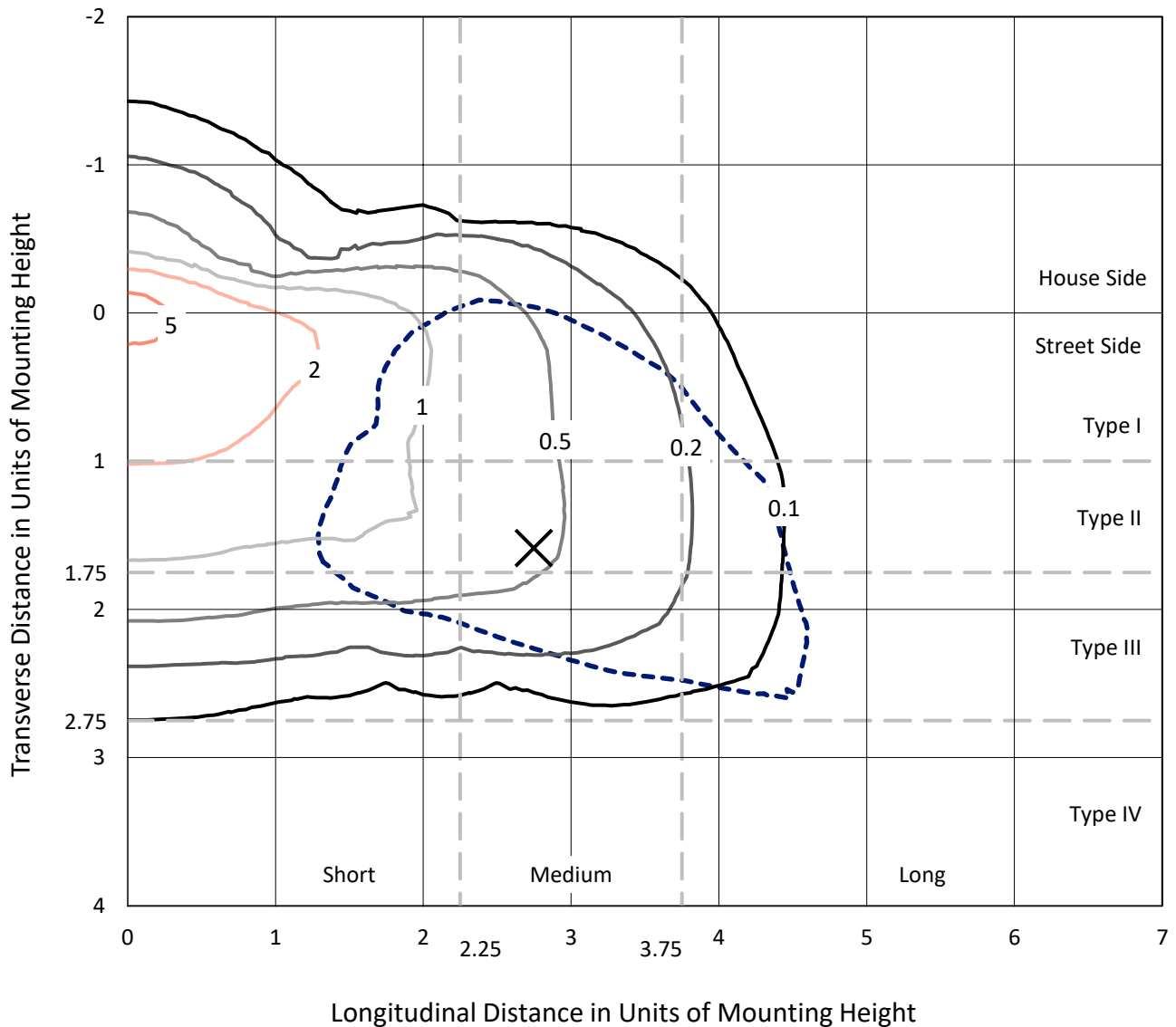
Lumens per Lamp: N/A
Luminaire Lumens: 5425.9 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

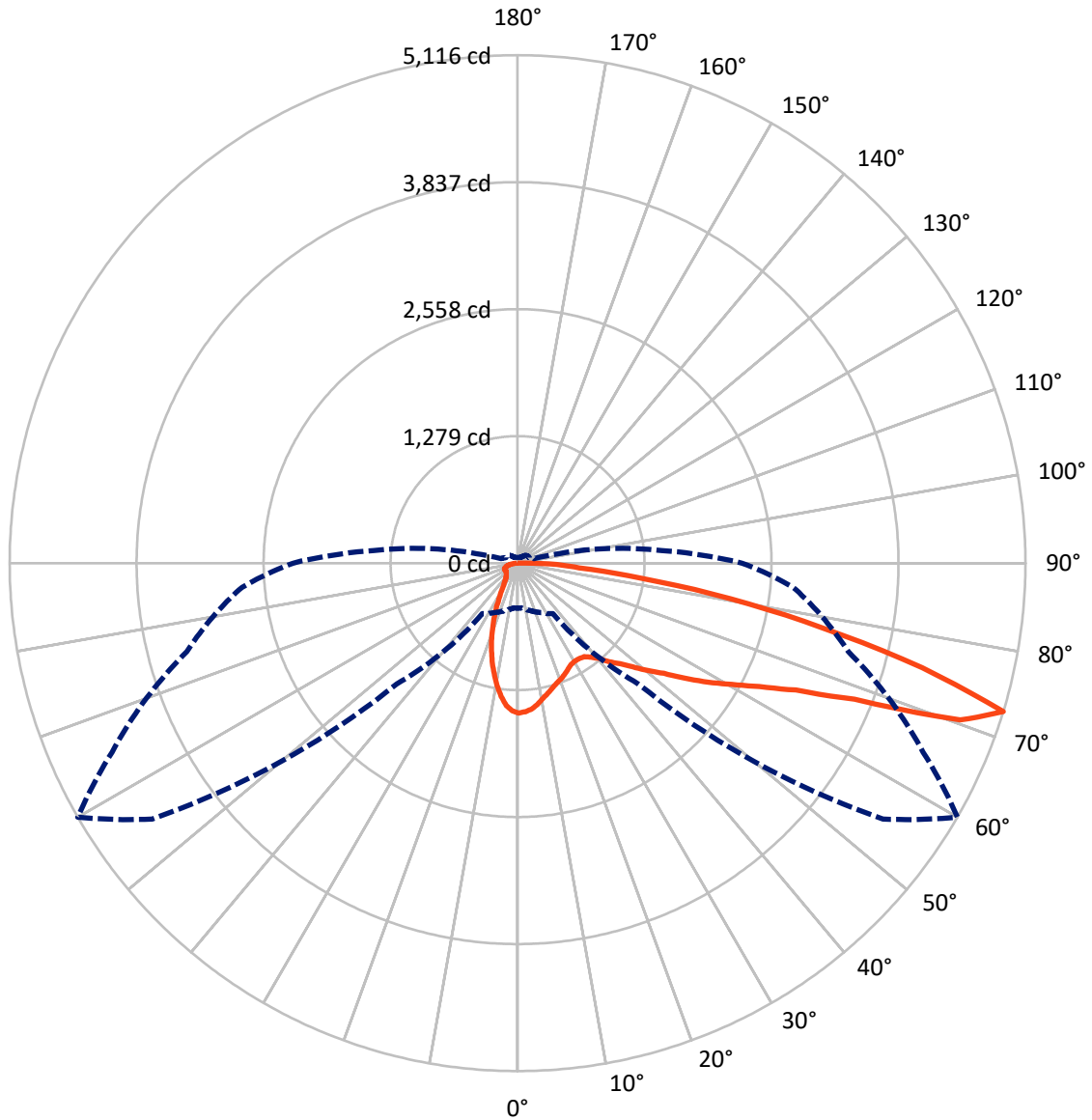
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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	932.1	0.0	932.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4493.8	0.0	4493.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	5425.9	0.0	5425.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	2.4
10°-20°	297.0	5.5
20°-30°	380.0	7.0
30°-40°	486.2	9.0
40°-50°	666.8	12.3
50°-60°	964.5	17.8
60°-70°	1323.1	24.4
70°-80°	992.8	18.3
80°-90°	184.5	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°	5425.9	100.0
0°-180°	5425.9	100.0



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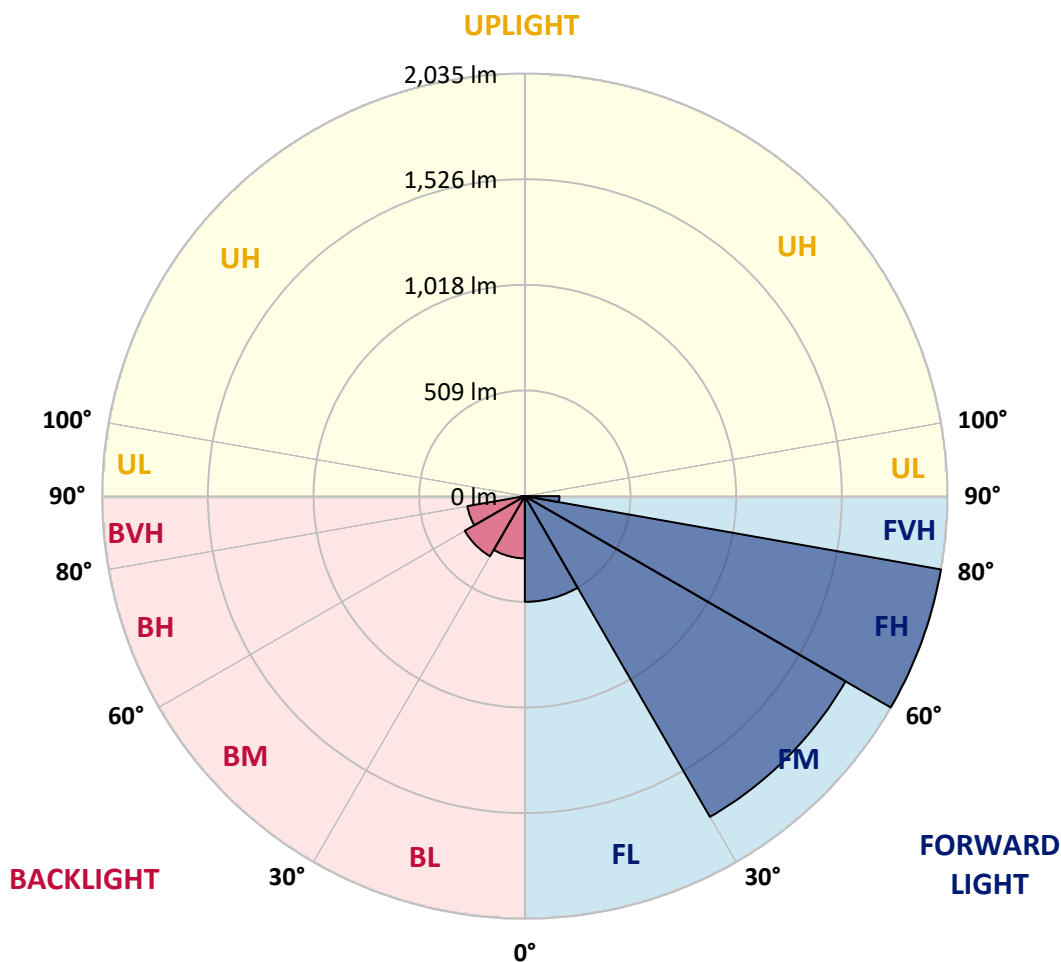
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.8	9.4			
FM (30°-60°)	1783.4	32.9			
FH (60°-80°)	2035.0	37.5			G2/5000
FVH (80°-90°)	166.6	3.1			G2/225
BL (0°-30°)	299.2	5.5	B1/500		
BM (30°-60°)	334.0	6.2	B1/1000		
BH (60°-80°)	280.9	5.2	B1/500		G1/500
BVH (80°-90°)	18.0	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°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	1478.5	1492.7	1496.7	1496.7	1508.8	1494.7	1514.9	1498.7	1502.8	1508.8	1504.8
5°	1407.8	1432.1	1417.9	1444.2	1434.1	1452.3	1476.5	1476.5	1470.4	1482.6	1472.5
7.5°	1339.2	1331.1	1355.3	1355.3	1371.5	1395.7	1415.9	1436.1	1438.1	1442.2	1440.1
10°	1246.2	1256.3	1268.5	1284.6	1304.8	1329.1	1371.5	1387.6	1391.7	1415.9	1409.8
12.5°	1169.5	1183.6	1191.7	1224.0	1242.2	1276.5	1325.0	1347.2	1349.3	1383.6	1383.6
15°	1112.9	1121.0	1139.2	1151.3	1191.7	1240.2	1286.6	1306.8	1329.1	1365.4	1355.3
17.5°	1074.6	1084.7	1092.7	1108.9	1147.3	1187.7	1260.4	1272.5	1298.8	1351.3	1339.2
20°	1052.3	1054.4	1066.5	1076.6	1110.9	1149.3	1213.9	1246.2	1280.6	1327.0	1314.9
22.5°	1056.4	1048.3	1046.3	1060.4	1066.5	1102.8	1181.6	1215.9	1264.4	1319.0	1298.8
25°	1064.5	1066.5	1062.4	1050.3	1052.3	1084.7	1137.2	1181.6	1236.1	1316.9	1276.5
27.5°	1084.7	1094.8	1078.6	1066.5	1054.4	1066.5	1121.0	1153.3	1213.9	1327.0	1274.5
30°	1104.9	1114.9	1110.9	1092.7	1068.5	1064.5	1102.8	1143.2	1201.8	1335.1	1274.5
32.5°	1135.1	1149.3	1135.1	1141.2	1112.9	1094.8	1108.9	1145.2	1213.9	1363.4	1276.5
35°	1169.5	1181.6	1185.6	1171.5	1165.4	1131.1	1139.2	1157.4	1226.0	1395.7	1296.7
37.5°	1207.9	1222.0	1234.1	1236.1	1215.9	1195.7	1191.7	1201.8	1256.3	1452.3	1319.0
40°	1234.1	1242.2	1266.4	1286.6	1292.7	1264.4	1262.4	1262.4	1310.9	1502.8	1359.3
42.5°	1278.6	1274.5	1308.9	1345.2	1355.3	1339.2	1343.2	1359.3	1387.6	1575.5	1424.0
45°	1300.8	1296.7	1337.1	1397.7	1444.2	1436.1	1440.1	1446.2	1472.5	1690.6	1533.1
47.5°	1331.1	1335.1	1393.7	1462.4	1510.8	1539.1	1561.3	1559.3	1579.5	1807.8	1654.2
50°	1361.4	1369.4	1440.1	1512.9	1597.7	1646.2	1678.5	1700.7	1720.9	1931.0	1793.6
52.5°	1419.9	1428.0	1506.8	1585.6	1694.6	1765.3	1846.1	1844.1	1846.1	2054.2	1933.0
55°	1504.8	1506.8	1553.3	1644.1	1791.6	1920.9	2032.0	2044.1	2009.7	2207.7	2092.6
57.5°	1601.7	1609.8	1650.2	1718.9	1868.3	2070.3	2240.0	2264.2	2171.3	2332.9	2238.0
60°	1692.6	1698.7	1761.3	1840.1	2001.7	2258.2	2450.1	2478.3	2377.3	2486.4	2389.5
62.5°	1589.6	1619.9	1731.0	1910.8	2236.0	2543.0	2716.7	2734.9	2577.3	2641.9	2551.1
65°	1272.5	1292.7	1452.3	1743.1	2252.1	3060.1	3128.7	3080.3	2852.0	2841.9	2795.5
67.5°	709.0	725.1	834.2	1139.2	1896.6	3254.0	4015.4	3659.9	3278.2	3142.9	3126.7
70°	559.5	563.5	577.7	640.3	1052.3	2868.2	4714.3	4730.5	3975.0	3556.9	3197.4
72.5°	454.5	452.4	494.9	549.4	622.1	1720.9	4494.1	5116.2	4508.3	3447.9	2785.4
75°	347.4	353.5	408.0	486.8	569.6	810.0	3352.9	4209.3	4223.5	3213.6	2349.1
77.5°	264.6	266.6	327.2	430.2	557.5	571.6	2187.5	3136.8	3150.9	2488.4	1294.7
80°	197.9	197.9	248.4	363.6	543.3	527.2	1347.2	2175.4	1969.3	874.6	282.8
82.5°	113.1	121.2	165.6	276.7	492.8	507.0	759.5	1246.2	832.2	238.3	131.3
85°	60.6	62.6	101.0	185.8	406.0	484.8	579.7	620.1	331.3	127.2	60.6
87.5°	22.2	22.2	46.5	94.9	256.5	359.5	460.5	395.9	189.9	58.6	30.3
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°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	1508.8	1500.7	1494.7	1500.7	1478.5	1468.4	1480.5	1474.5	1462.4	1456.3	1452.3
5°	1478.5	1468.4	1458.3	1452.3	1428.0	1403.8	1391.7	1367.4	1347.2	1353.3	1341.2
7.5°	1446.2	1436.1	1405.8	1377.5	1329.1	1280.6	1258.4	1224.0	1211.9	1201.8	1195.7
10°	1405.8	1387.6	1341.2	1284.6	1213.9	1159.4	1102.8	1062.4	1020.0	1001.8	1007.9
12.5°	1355.3	1345.2	1272.5	1185.6	1086.7	995.8	929.1	864.5	807.9	777.6	769.6
15°	1333.1	1302.8	1197.8	1082.6	957.4	844.3	745.3	632.2	565.6	533.2	533.2
17.5°	1308.9	1252.3	1127.1	969.5	826.1	680.7	541.3	438.3	385.8	367.6	367.6
20°	1270.5	1207.9	1044.3	862.5	688.8	513.0	387.8	331.3	315.1	303.0	305.0
22.5°	1242.2	1165.4	967.5	757.4	545.4	381.7	305.0	286.8	280.8	276.7	278.7
25°	1209.9	1114.9	886.7	644.3	428.2	301.0	264.6	256.5	260.6	262.6	262.6
27.5°	1183.6	1072.5	803.9	523.1	323.2	254.5	238.3	236.3	244.4	248.4	250.5
30°	1165.4	1034.2	723.1	412.0	258.5	226.2	218.1	218.1	228.2	232.3	234.3
32.5°	1147.3	1001.8	636.2	315.1	220.2	202.0	200.0	202.0	208.0	208.0	210.1
35°	1153.3	971.5	553.4	254.5	197.9	185.8	185.8	185.8	187.8	189.9	189.9
37.5°	1165.4	963.5	464.6	214.1	181.8	173.7	173.7	171.7	173.7	171.7	173.7
40°	1177.6	951.3	383.8	189.9	171.7	165.6	163.6	159.6	157.5	157.5	159.6
42.5°	1228.1	967.5	315.1	173.7	163.6	159.6	153.5	149.5	147.4	147.4	147.4
45°	1292.7	997.8	260.6	165.6	157.5	147.4	143.4	141.4	137.3	139.4	141.4
47.5°	1389.6	1044.3	228.2	159.6	151.5	139.4	135.3	131.3	131.3	135.3	135.3
50°	1516.9	1121.0	208.0	153.5	145.4	133.3	127.2	125.2	125.2	131.3	131.3
52.5°	1654.2	1209.9	200.0	151.5	139.4	127.2	121.2	119.2	119.2	127.2	127.2
55°	1791.6	1319.0	206.0	151.5	135.3	121.2	115.1	111.1	113.1	119.2	119.2
57.5°	1943.1	1436.1	236.3	151.5	131.3	119.2	111.1	105.0	107.1	109.1	109.1
60°	2108.7	1589.6	288.8	151.5	129.3	115.1	105.0	97.0	97.0	99.0	99.0
62.5°	2276.4	1741.1	363.6	153.5	131.3	113.1	97.0	88.9	86.9	88.9	88.9
65°	2496.5	1983.5	438.3	153.5	137.3	109.1	90.9	80.8	78.8	78.8	80.8
67.5°	2805.6	2157.2	339.3	147.4	141.4	109.1	84.8	74.7	70.7	70.7	70.7
70°	2641.9	1819.9	216.1	137.3	135.3	113.1	80.8	68.7	64.6	62.6	62.6
72.5°	2262.2	1456.3	173.7	129.3	125.2	111.1	76.8	64.6	58.6	56.6	56.6
75°	1813.8	1149.3	151.5	117.2	109.1	92.9	70.7	58.6	54.5	50.5	50.5
77.5°	888.7	480.7	115.1	103.0	92.9	70.7	62.6	54.5	48.5	44.4	44.4
80°	222.2	167.6	84.8	80.8	68.7	54.5	50.5	46.5	42.4	38.4	38.4
82.5°	119.2	99.0	60.6	54.5	46.5	38.4	38.4	36.4	34.3	30.3	28.3
85°	60.6	58.6	40.4	36.4	30.3	24.2	26.3	26.3	24.2	18.2	18.2
87.5°	32.3	32.3	20.2	16.2	14.1	12.1	12.1	12.1	10.1	8.1	8.1
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)