

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: P675691

Luminaire Tested: **CCW-SA-1E-735-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675691
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL4 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

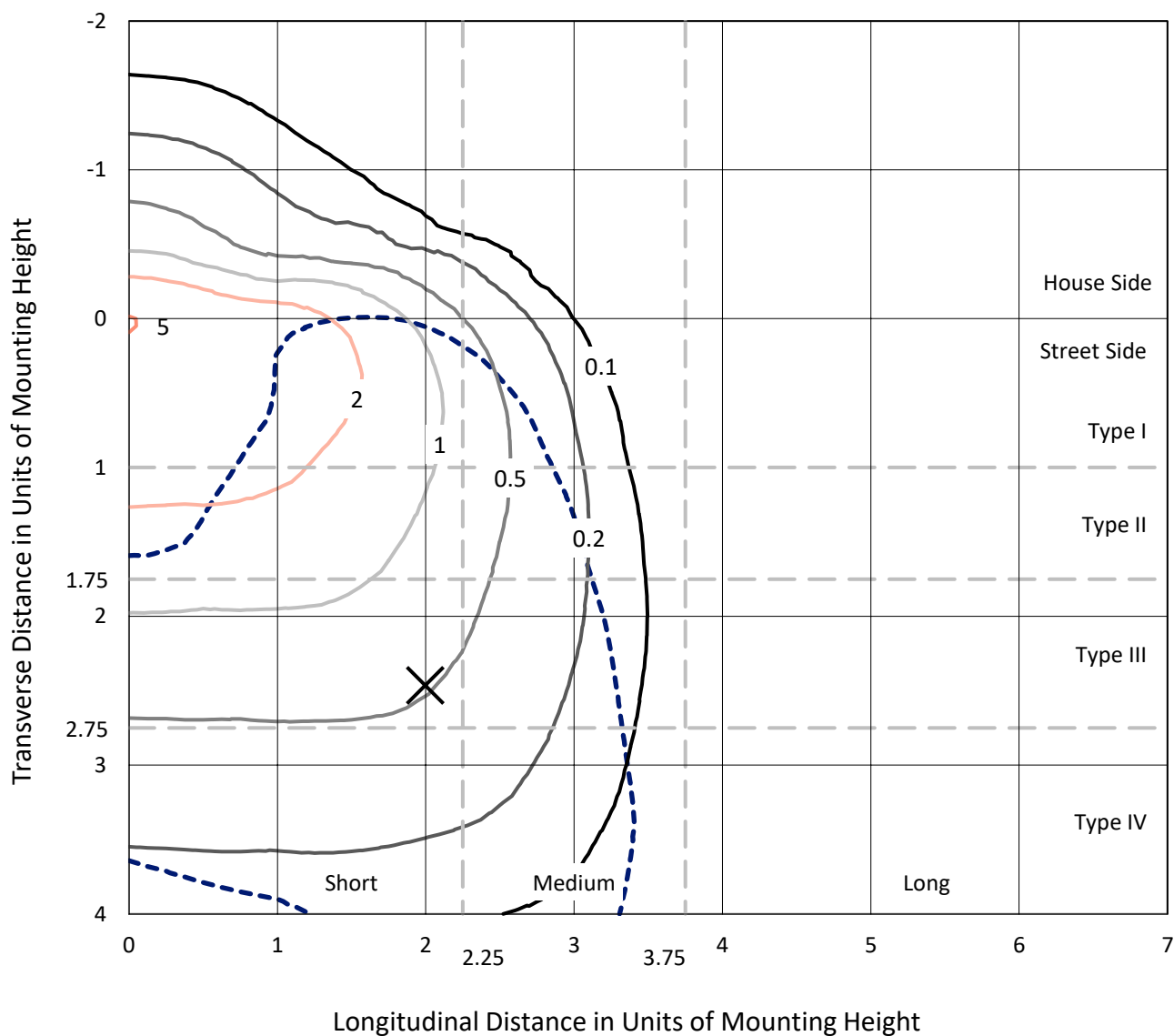
Lumens per Lamp: N/A
Luminaire Lumens: 6608 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

REPORT NUMBER: P675691
 CATALOG NUMBER: CCW-SA-1E-735-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

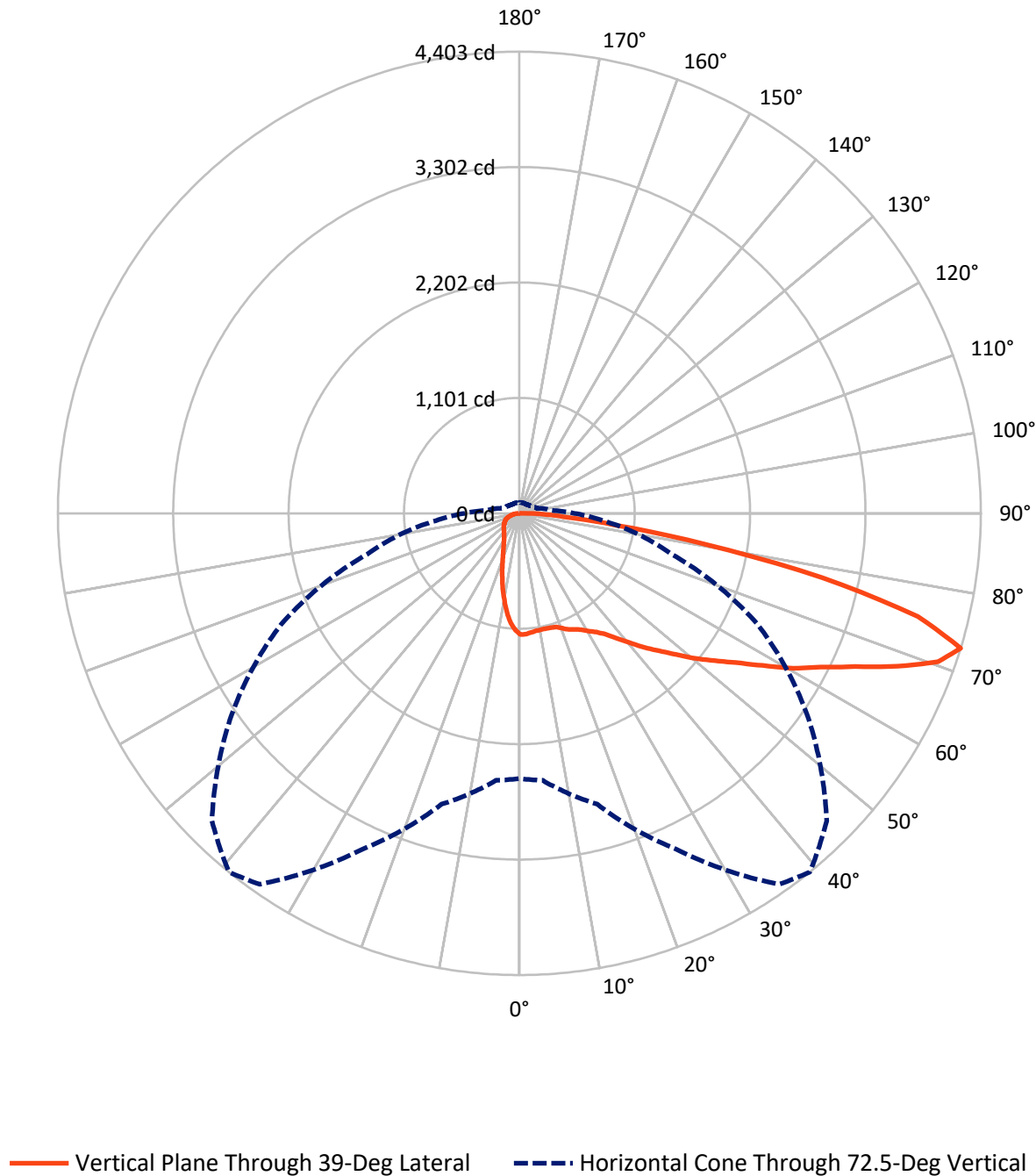
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P675691
CATALOG NUMBER: CCW-SA-1E-735-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P675691

CATALOG NUMBER: CCW-SA-1E-735-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	982.1	0.0	982.1
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	5625.9	0.0	5625.9
	% Fixture	85.1	0.0	85.1
Total	Lumens	6608.0	0.0	6608.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	1.5
10°-20°	260.9	3.9
20°-30°	397.4	6.0
30°-40°	581.4	8.8
40°-50°	890.1	13.5
50°-60°	1305.4	19.8
60°-70°	1664.8	25.2
70°-80°	1202.9	18.2
80°-90°	202.9	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°	6608.0	100.0
0°-180°	6608.0	100.0



REPORT NUMBER: P675691

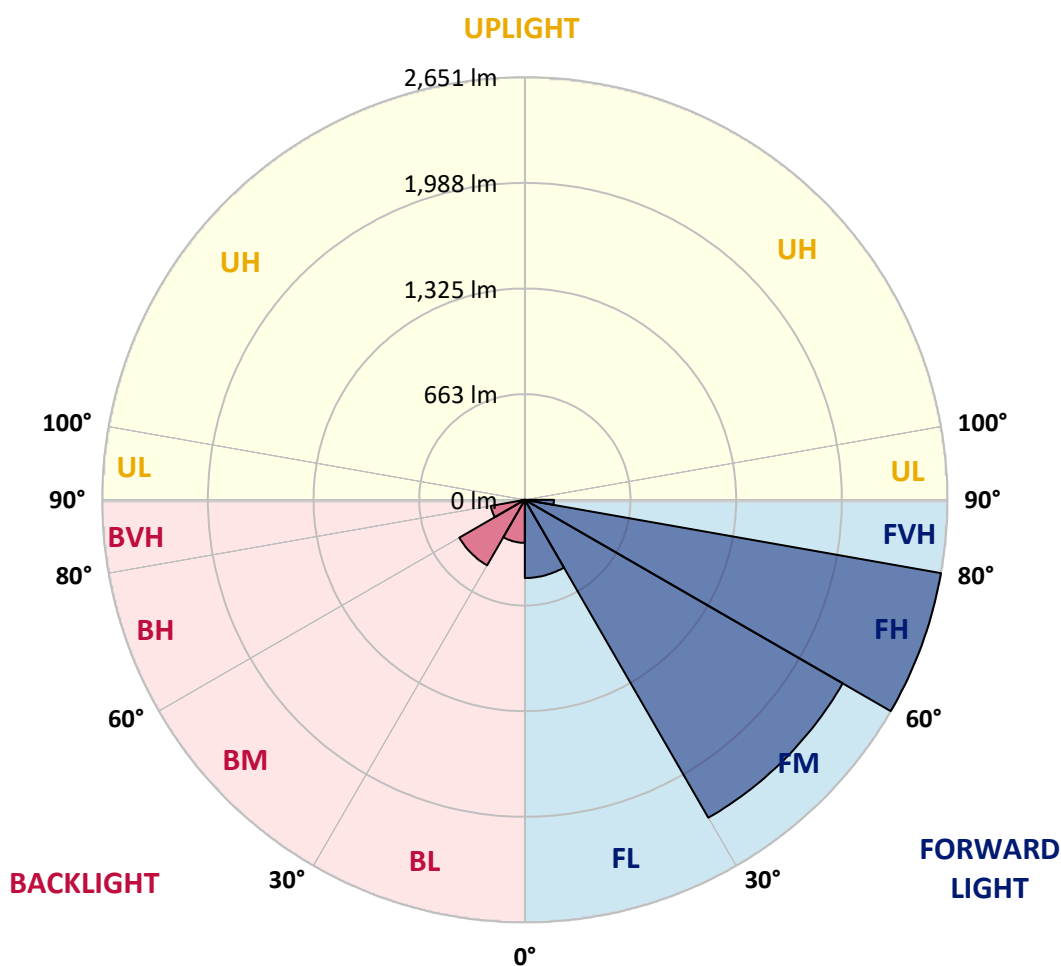
CATALOG NUMBER: CCW-SA-1E-735-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	490.4	7.4			
FM	(30°-60°)	2302.4	34.8			
FH	(60°-80°)	2650.7	40.1			G2/5000
FVH	(80°-90°)	182.4	2.8			G2/225
BL	(0°-30°)	270.1	4.1	B1/500		
BM	(30°-60°)	474.4	7.2	B1/1000		
BH	(60°-80°)	217.0	3.3	B1/500		G1/500
BVH	(80°-90°)	20.6	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





REPORT NUMBER: P675691

CATALOG NUMBER: CCW-SA-1E-735-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7
2.5°	1174.1	1176.5	1171.6	1166.6	1164.1	1154.2	1164.1	1159.2	1154.2	1154.2	1154.2
5°	1159.2	1161.7	1161.7	1156.7	1159.2	1141.8	1139.3	1141.8	1134.3	1129.4	1126.9
7.5°	1136.8	1141.8	1151.7	1149.2	1139.3	1131.9	1134.3	1131.9	1119.5	1112.0	1092.1
10°	1119.5	1124.4	1129.4	1134.3	1131.9	1129.4	1126.9	1117.0	1114.5	1097.1	1077.3
12.5°	1102.1	1102.1	1104.6	1124.4	1126.9	1126.9	1112.0	1112.0	1104.6	1102.1	1072.3
15°	1084.7	1092.1	1112.0	1117.0	1126.9	1131.9	1124.4	1124.4	1112.0	1094.6	1072.3
17.5°	1089.7	1102.1	1121.9	1134.3	1139.3	1139.3	1149.2	1141.8	1124.4	1114.5	1092.1
20°	1114.5	1117.0	1141.8	1164.1	1169.1	1169.1	1159.2	1151.7	1139.3	1121.9	1092.1
22.5°	1129.4	1146.8	1176.5	1189.0	1203.8	1203.8	1191.4	1174.1	1156.7	1139.3	1107.0
25°	1193.9	1196.4	1208.8	1228.7	1236.1	1226.2	1213.8	1193.9	1171.6	1154.2	1124.4
27.5°	1238.6	1251.0	1265.9	1275.8	1263.4	1256.0	1246.0	1223.7	1206.3	1191.4	1149.2
30°	1320.5	1305.6	1315.5	1320.5	1298.2	1303.1	1275.8	1256.0	1236.1	1236.1	1189.0
32.5°	1370.2	1382.6	1372.6	1370.2	1352.8	1350.3	1332.9	1310.6	1298.2	1313.1	1248.5
35°	1457.0	1449.6	1449.6	1447.1	1427.2	1414.8	1414.8	1375.1	1387.5	1419.8	1340.4
37.5°	1501.7	1499.2	1514.1	1526.5	1506.7	1514.1	1506.7	1489.3	1494.3	1551.3	1454.5
40°	1546.4	1563.8	1593.5	1598.5	1610.9	1620.8	1615.9	1613.4	1633.3	1725.1	1608.4
42.5°	1588.6	1603.5	1648.2	1687.9	1717.7	1749.9	1752.4	1752.4	1816.9	1948.5	1794.6
45°	1643.2	1655.6	1717.7	1797.1	1846.7	1869.1	1888.9	1911.3	1998.1	2154.5	1993.2
47.5°	1717.7	1727.6	1802.0	1901.3	1998.1	2010.5	2050.3	2075.1	2206.6	2365.5	2196.7
50°	1824.4	1816.9	1876.5	2020.5	2114.8	2174.4	2231.5	2276.1	2405.2	2579.0	2355.6
52.5°	1911.3	1911.3	1955.9	2147.1	2276.1	2333.2	2392.8	2454.9	2603.8	2792.4	2484.6
55°	2060.2	2045.3	2072.6	2271.2	2457.3	2511.9	2626.1	2678.2	2822.2	2951.3	2593.9
57.5°	2162.0	2169.4	2201.7	2435.0	2670.8	2737.8	2852.0	2889.2	3015.8	3117.6	2673.3
60°	2296.0	2271.2	2340.7	2616.2	2906.6	3000.9	3095.3	3117.6	3211.9	3224.3	2710.5
62.5°	2425.1	2420.1	2479.7	2797.4	3159.8	3226.8	3323.6	3348.4	3388.1	3308.7	2658.4
65°	2504.5	2536.8	2648.5	2996.0	3447.7	3522.2	3619.0	3569.3	3524.7	3234.3	2402.7
67.5°	2613.7	2628.6	2799.9	3211.9	3780.3	3892.0	3976.4	3780.3	3447.7	2928.9	2023.0
70°	2638.5	2678.2	2901.6	3437.8	4122.9	4237.0	4242.0	3708.3	3167.2	2382.9	1467.0
72.5°	2529.3	2556.6	2871.9	3532.1	4319.0	4403.3	4147.7	3353.4	2509.5	1501.7	799.3
75°	2127.2	2204.2	2499.5	3241.7	3959.0	3926.8	3514.7	2559.1	1506.7	665.2	337.6
77.5°	1481.8	1484.3	1792.1	2358.1	2963.7	2956.3	2507.0	1484.3	645.4	268.1	198.6
80°	657.8	704.9	891.1	1270.9	1799.6	1799.6	1462.0	737.2	322.7	173.8	136.5
82.5°	387.2	402.1	476.6	593.2	876.2	923.4	700.0	491.5	220.9	109.2	84.4
85°	285.4	310.3	354.9	357.4	414.5	422.0	387.2	426.9	151.4	59.6	69.5
87.5°	213.5	228.4	283.0	235.8	220.9	208.5	238.3	436.9	57.1	29.8	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675691

CATALOG NUMBER: CCW-SA-1E-735-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7	1156.7
2.5°	1144.3	1144.3	1139.3	1129.4	1129.4	1109.5	1114.5	1119.5	1107.0	1107.0	1109.5
5°	1126.9	1117.0	1104.6	1089.7	1079.7	1052.4	1047.5	1030.1	1027.6	1022.6	1015.2
7.5°	1092.1	1077.3	1054.9	1032.6	1000.3	975.5	945.7	920.9	911.0	903.5	901.0
10°	1059.9	1057.4	1020.2	975.5	925.8	878.7	834.0	801.7	781.9	769.5	767.0
12.5°	1059.9	1040.0	987.9	925.8	853.9	784.4	727.3	682.6	655.3	635.4	628.0
15°	1054.9	1035.1	965.6	871.2	789.3	695.0	615.6	568.4	528.7	508.8	511.3
17.5°	1059.9	1030.1	933.3	831.5	717.3	615.6	521.3	464.2	424.4	409.6	407.1
20°	1062.4	1025.1	908.5	776.9	642.9	528.7	439.3	384.7	354.9	345.0	345.0
22.5°	1057.4	1010.2	871.2	712.4	578.3	456.7	382.3	335.1	315.2	302.8	307.8
25°	1079.7	1007.8	836.5	657.8	503.9	397.1	340.1	305.3	292.9	285.4	287.9
27.5°	1084.7	1007.8	809.2	595.7	439.3	352.5	307.8	285.4	275.5	270.6	268.1
30°	1104.6	1012.7	776.9	533.7	387.2	317.7	283.0	270.6	263.1	260.6	260.6
32.5°	1159.2	1027.6	742.2	481.5	342.5	287.9	265.6	255.7	250.7	248.2	250.7
35°	1223.7	1067.3	704.9	426.9	310.3	268.1	250.7	243.3	240.8	240.8	240.8
37.5°	1323.0	1126.9	672.7	382.3	283.0	248.2	235.8	233.3	230.8	233.3	233.3
40°	1437.2	1191.4	642.9	347.5	263.1	235.8	223.4	223.4	220.9	223.4	225.9
42.5°	1568.7	1270.9	613.1	312.8	245.7	225.9	215.9	213.5	211.0	215.9	218.4
45°	1749.9	1380.1	593.2	292.9	233.3	215.9	206.0	206.0	203.5	203.5	208.5
47.5°	1901.3	1484.3	593.2	273.0	225.9	208.5	198.6	198.6	193.6	196.1	196.1
50°	2027.9	1573.7	605.6	268.1	215.9	201.1	193.6	188.6	186.2	186.2	186.2
52.5°	2112.3	1628.3	615.6	263.1	211.0	191.1	186.2	183.7	178.7	176.2	178.7
55°	2196.7	1665.5	618.1	263.1	203.5	181.2	176.2	176.2	171.3	168.8	168.8
57.5°	2229.0	1650.6	583.3	258.1	198.6	173.8	168.8	166.3	163.8	161.3	161.3
60°	2214.1	1596.0	506.4	245.7	193.6	168.8	158.9	158.9	158.9	153.9	156.4
62.5°	2112.3	1409.9	407.1	225.9	186.2	158.9	148.9	153.9	153.9	151.4	151.4
65°	1844.2	1164.1	330.1	208.5	176.2	151.4	141.5	148.9	151.4	148.9	146.4
67.5°	1474.4	896.1	273.0	188.6	163.8	139.0	131.6	139.0	141.5	139.0	139.0
70°	1012.7	578.3	220.9	168.8	146.4	126.6	119.1	124.1	124.1	126.6	126.6
72.5°	523.7	312.8	181.2	144.0	126.6	114.2	106.7	106.7	104.3	104.3	104.3
75°	260.6	213.5	151.4	121.6	106.7	96.8	91.8	86.9	86.9	86.9	86.9
77.5°	181.2	163.8	124.1	96.8	86.9	79.4	79.4	72.0	72.0	72.0	72.0
80°	136.5	129.1	94.3	74.5	67.0	62.1	62.1	59.6	59.6	57.1	57.1
82.5°	96.8	104.3	72.0	54.6	49.6	47.2	47.2	44.7	44.7	39.7	39.7
85°	76.9	86.9	54.6	39.7	37.2	32.3	32.3	29.8	29.8	27.3	24.8
87.5°	22.3	47.2	22.3	14.9	14.9	14.9	14.9	12.4	12.4	9.9	9.9
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)