

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: P674980

Luminaire Tested: **CCW-SA-1C-740-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674980
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

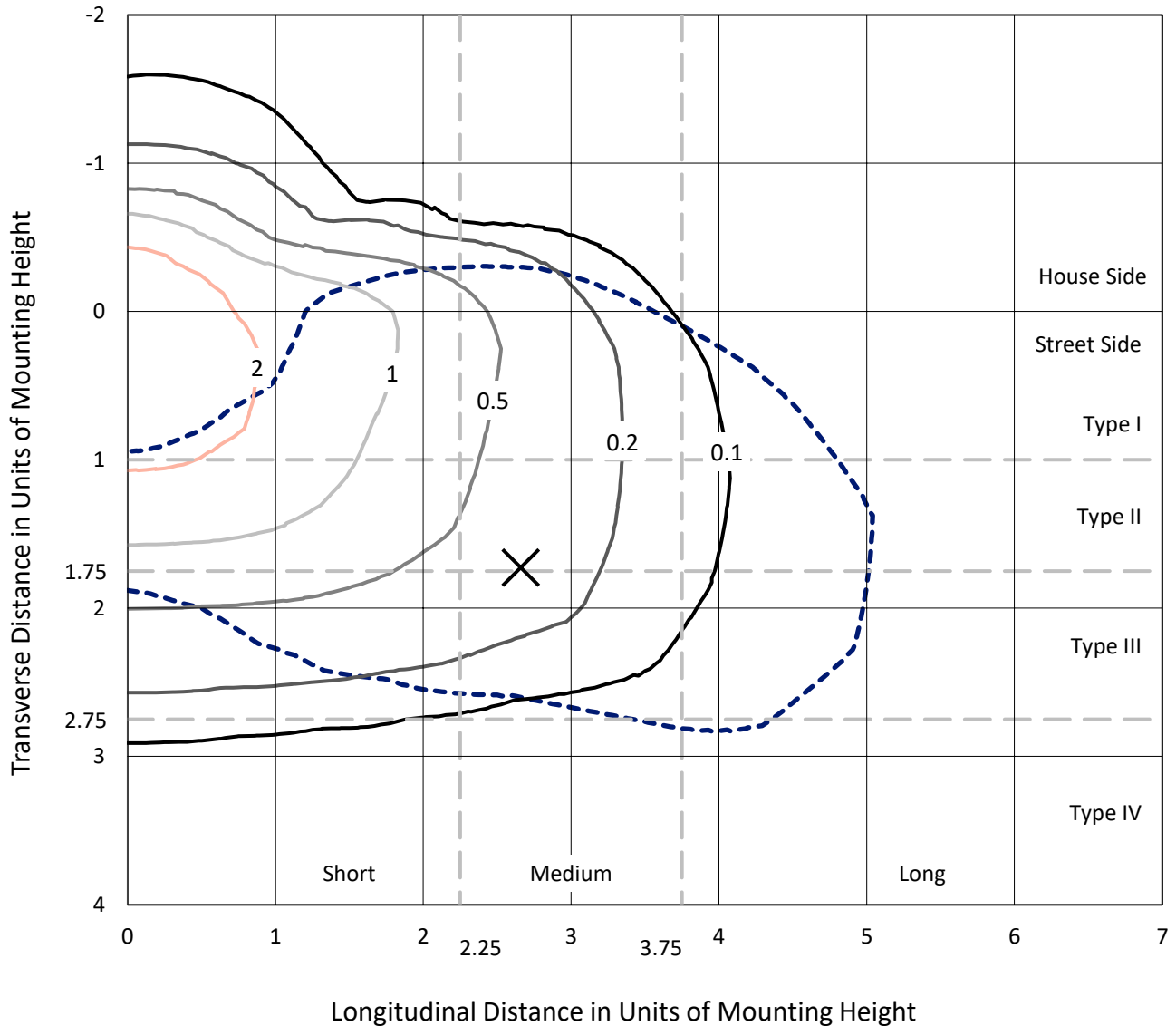
Lumens per Lamp: N/A
Luminaire Lumens: 4568.2 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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: P674980
 CATALOG NUMBER: CCW-SA-1C-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

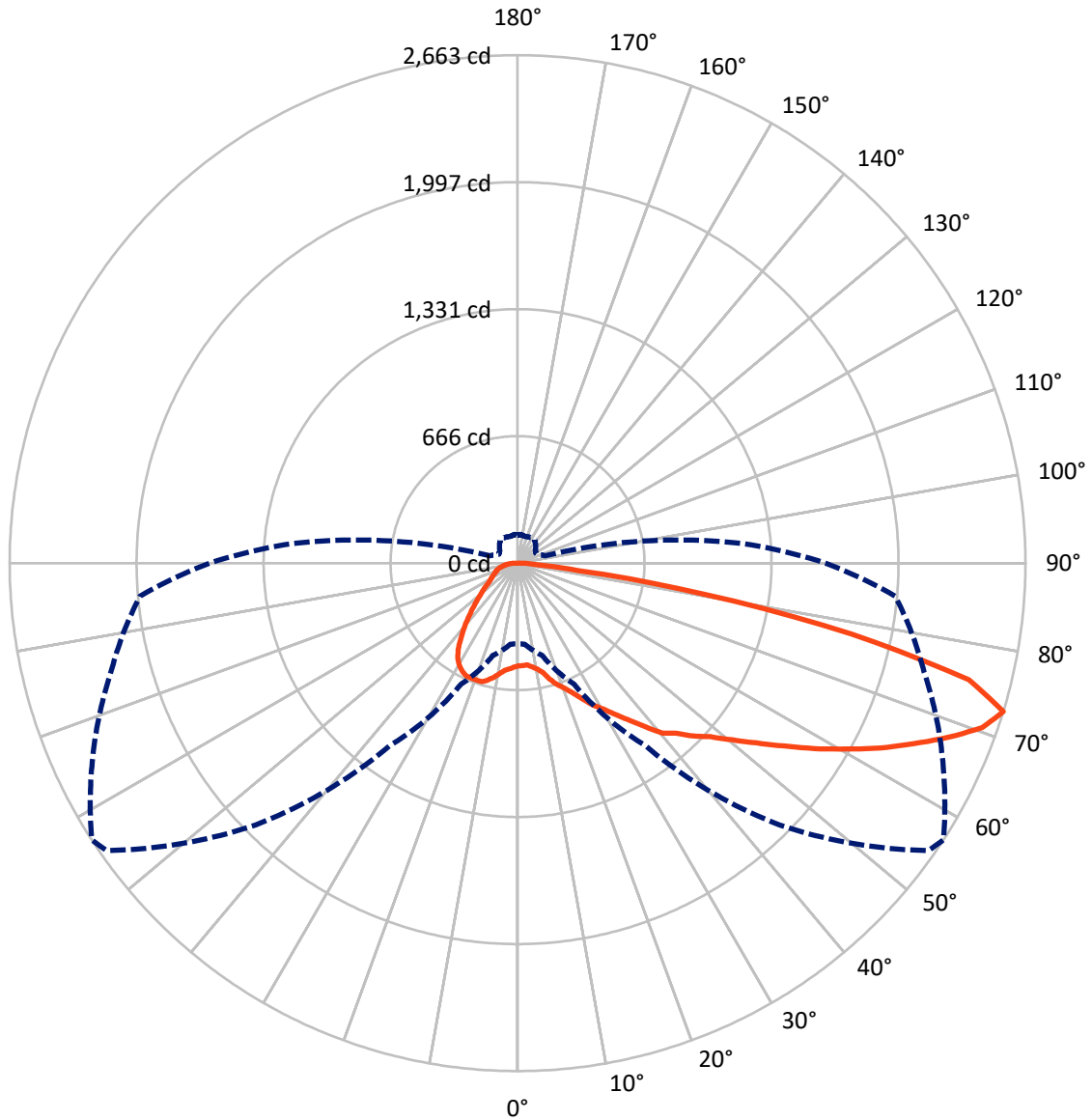
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P674980
CATALOG NUMBER: CCW-SA-1C-740-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674980
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.8	0.0	1066.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3501.4	0.0	3501.4
	% Fixture	76.6	0.0	76.6
Total	Lumens	4568.2	0.0	4568.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.2
10°-20°	180.4	3.9
20°-30°	329.7	7.2
30°-40°	483.8	10.6
40°-50°	666.1	14.6
50°-60°	913.4	20.0
60°-70°	1101.0	24.1
70°-80°	733.5	16.1
80°-90°	106.8	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°	4568.2	100.0
0°-180°	4568.2	100.0



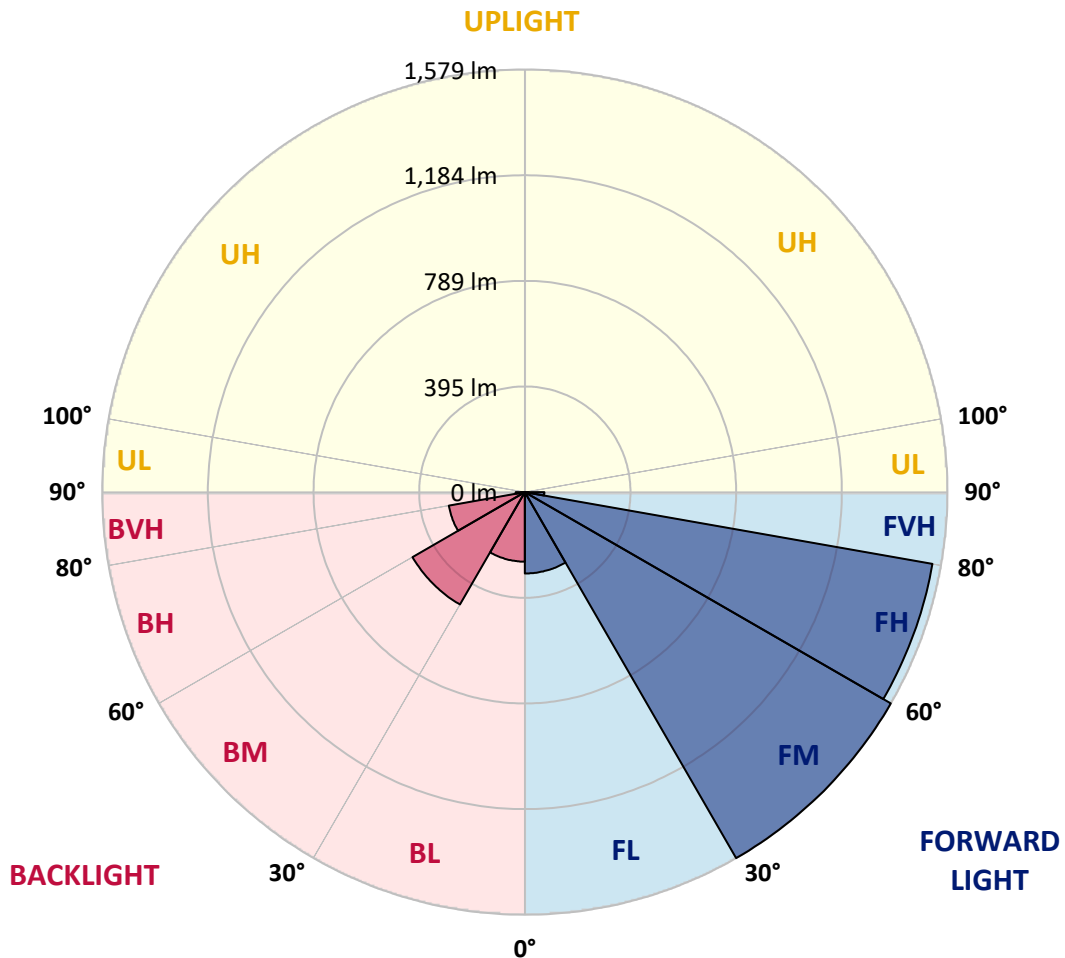
REPORT NUMBER: P674980
 CATALOG NUMBER: CCW-SA-1C-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.9	6.7			
FM (30°-60°)	1578.7	34.6			
FH (60°-80°)	1546.1	33.8			G1/1800
FVH (80°-90°)	72.7	1.6			G1/100
BL (0°-30°)	259.7	5.7	B1/500		
BM (30°-60°)	484.6	10.6	B1/1000		
BH (60°-80°)	288.4	6.3	B1/500		G1/500
BVH (80°-90°)	34.1	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P674980
 CATALOG NUMBER: CCW-SA-1C-740-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2
2.5°	529.2	530.9	534.2	532.5	532.5	527.5	535.9	537.5	534.2	535.9	539.2
5°	529.2	532.5	537.5	534.2	535.9	534.2	530.9	535.9	535.9	537.5	542.5
7.5°	557.5	555.8	555.8	550.8	549.2	547.5	549.2	549.2	545.9	547.5	547.5
10°	589.1	589.1	585.8	585.8	582.5	574.1	565.8	564.2	559.2	560.8	560.8
12.5°	622.4	625.7	629.1	619.1	615.7	602.4	597.4	587.5	587.5	584.1	582.5
15°	664.0	659.0	662.3	659.0	650.7	637.4	629.1	630.7	619.1	615.7	610.8
17.5°	700.6	702.3	697.3	694.0	679.0	669.0	670.7	669.0	654.0	649.0	640.7
20°	743.9	742.2	742.2	732.2	718.9	705.6	700.6	699.0	702.3	692.3	672.3
22.5°	788.8	782.2	782.2	773.8	755.5	747.2	743.9	737.2	740.6	732.2	702.3
25°	825.4	825.4	837.1	820.4	810.5	793.8	787.2	788.8	790.5	773.8	738.9
27.5°	873.7	865.4	877.0	868.7	863.7	845.4	837.1	842.1	838.7	820.4	772.2
30°	935.3	936.9	930.3	918.6	912.0	898.7	893.7	888.7	893.7	870.4	808.8
32.5°	1011.8	1016.8	1000.2	986.9	975.2	961.9	951.9	946.9	951.9	917.0	837.1
35°	1100.0	1105.0	1091.7	1076.7	1063.4	1030.1	1021.8	1013.5	995.2	938.6	863.7
37.5°	1181.6	1174.9	1171.6	1171.6	1146.6	1098.4	1093.4	1088.4	1053.4	981.9	900.3
40°	1236.5	1244.8	1241.5	1238.2	1234.8	1189.9	1179.9	1171.6	1113.3	1046.8	951.9
42.5°	1298.1	1293.1	1306.4	1311.4	1299.7	1286.4	1246.5	1218.2	1166.6	1113.3	1028.5
45°	1371.3	1368.0	1372.9	1391.3	1374.6	1379.6	1313.0	1293.1	1228.2	1196.5	1125.0
47.5°	1436.2	1444.5	1469.5	1474.5	1461.2	1484.5	1391.3	1359.6	1318.0	1293.1	1224.8
50°	1464.5	1474.5	1531.0	1566.0	1567.7	1604.3	1469.5	1456.2	1399.6	1409.6	1349.7
52.5°	1441.2	1472.8	1541.0	1632.6	1689.1	1725.8	1572.7	1566.0	1514.4	1546.0	1486.1
55°	1462.8	1492.8	1537.7	1665.8	1809.0	1817.3	1715.8	1690.8	1639.2	1682.5	1627.6
57.5°	1472.8	1456.2	1541.0	1702.5	1897.2	1918.8	1852.2	1833.9	1794.0	1835.6	1804.0
60°	1394.6	1414.6	1494.4	1692.5	1902.2	2027.0	2005.3	1978.7	1942.1	1980.4	1962.1
62.5°	1306.4	1319.7	1406.2	1632.6	1930.5	2105.2	2153.5	2133.5	2081.9	2115.2	2146.8
65°	1194.9	1196.5	1293.1	1526.1	1875.5	2150.1	2283.3	2281.6	2245.0	2236.7	2286.6
67.5°	1058.4	1071.7	1148.3	1412.9	1800.6	2200.0	2411.4	2436.4	2363.1	2298.2	2316.5
70°	812.1	825.4	898.7	1158.3	1647.5	2185.1	2569.5	2582.8	2439.7	2274.9	2228.3
72.5°	422.7	426.0	500.9	699.0	1168.3	1940.4	2627.7	2662.7	2459.7	2206.7	1987.0
75°	139.8	139.8	171.4	266.3	550.8	1241.5	2379.8	2443.0	2361.5	2037.0	1625.9
77.5°	83.2	84.9	101.5	133.1	219.7	495.9	1677.5	1789.0	1932.1	1732.4	1188.2
80°	59.9	61.6	76.6	91.5	131.5	159.8	842.1	996.8	1186.6	1115.0	634.1
82.5°	44.9	44.9	59.9	68.2	89.9	94.9	234.6	321.2	512.6	399.4	174.7
85°	46.6	46.6	46.6	48.3	61.6	54.9	98.2	104.8	149.8	131.5	48.3
87.5°	16.6	18.3	46.6	31.6	31.6	23.3	38.3	41.6	53.3	54.9	18.3
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: P674980
 CATALOG NUMBER: CCW-SA-1C-740-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2
2.5°	540.9	540.9	542.5	542.5	545.9	549.2	554.2	550.8	550.8	552.5	550.8
5°	539.2	540.9	545.9	554.2	557.5	559.2	569.2	569.2	569.2	572.5	572.5
7.5°	545.9	549.2	557.5	565.8	567.5	572.5	585.8	589.1	597.4	600.8	602.4
10°	562.5	567.5	574.1	584.1	590.8	597.4	607.4	619.1	617.4	627.4	629.1
12.5°	587.5	585.8	597.4	607.4	614.1	624.1	627.4	627.4	627.4	627.4	630.7
15°	607.4	610.8	620.7	627.4	635.7	634.1	627.4	620.7	622.4	620.7	620.7
17.5°	637.4	637.4	645.7	647.4	650.7	634.1	624.1	624.1	629.1	629.1	625.7
20°	667.3	665.7	669.0	667.3	645.7	625.7	624.1	625.7	627.4	625.7	624.1
22.5°	695.6	692.3	687.3	680.7	642.4	624.1	620.7	612.4	604.1	604.1	599.1
25°	720.6	717.3	703.9	684.0	640.7	614.1	597.4	577.5	567.5	562.5	569.2
27.5°	743.9	737.2	718.9	684.0	625.7	587.5	555.8	530.9	522.6	515.9	522.6
30°	775.5	763.9	738.9	679.0	602.4	545.9	502.6	472.6	464.3	454.3	457.6
32.5°	803.8	777.2	755.5	664.0	572.5	499.3	449.3	419.4	404.4	396.1	402.7
35°	833.8	807.1	762.2	640.7	525.9	442.7	392.7	364.5	352.8	341.2	341.2
37.5°	863.7	848.7	772.2	597.4	469.3	389.4	344.5	322.9	302.9	281.2	281.2
40°	926.9	907.0	783.8	547.5	412.7	337.8	306.2	277.9	257.9	228.0	226.3
42.5°	993.5	950.2	783.8	487.6	362.8	301.2	271.3	241.3	204.7	186.4	188.1
45°	1078.4	1028.5	762.2	434.4	312.9	271.3	238.0	199.7	183.1	171.4	171.4
47.5°	1184.9	1106.7	735.6	376.1	272.9	244.6	203.0	179.7	168.1	158.1	156.4
50°	1311.4	1178.2	702.3	326.2	239.6	219.7	184.7	166.4	156.4	149.8	149.8
52.5°	1444.5	1283.1	679.0	281.2	213.0	186.4	171.4	159.8	151.4	146.4	144.8
55°	1579.3	1387.9	662.3	233.0	188.1	171.4	168.1	158.1	154.8	149.8	146.4
57.5°	1730.7	1474.5	659.0	199.7	168.1	164.8	171.4	163.1	158.1	153.1	148.1
60°	1893.8	1591.0	629.1	173.1	158.1	161.4	166.4	158.1	154.8	149.8	146.4
62.5°	2055.3	1677.5	547.5	153.1	148.1	151.4	158.1	151.4	146.4	148.1	149.8
65°	2121.8	1684.2	424.4	138.1	136.5	138.1	148.1	146.4	141.5	151.4	151.4
67.5°	2055.3	1624.2	299.6	124.8	124.8	133.1	149.8	153.1	148.1	161.4	159.8
70°	1903.8	1476.1	203.0	116.5	119.8	141.5	154.8	151.4	144.8	161.4	158.1
72.5°	1615.9	1181.6	148.1	108.2	113.2	134.8	153.1	149.8	144.8	151.4	144.8
75°	1213.2	840.4	116.5	98.2	99.9	121.5	158.1	149.8	136.5	133.1	128.1
77.5°	810.5	519.2	89.9	86.5	86.5	106.5	151.4	139.8	123.1	118.2	116.5
80°	386.1	208.0	71.6	73.2	74.9	91.5	138.1	124.8	111.5	104.8	104.8
82.5°	123.1	78.2	59.9	59.9	59.9	74.9	114.8	104.8	96.5	91.5	83.2
85°	43.3	43.3	51.6	53.3	48.3	54.9	94.9	89.9	79.9	66.6	64.9
87.5°	16.6	25.0	34.9	41.6	30.0	38.3	68.2	63.2	58.2	43.3	41.6
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)