

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: P675037

Luminaire Tested: **CCW-SA-1E-835-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675037
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-835-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

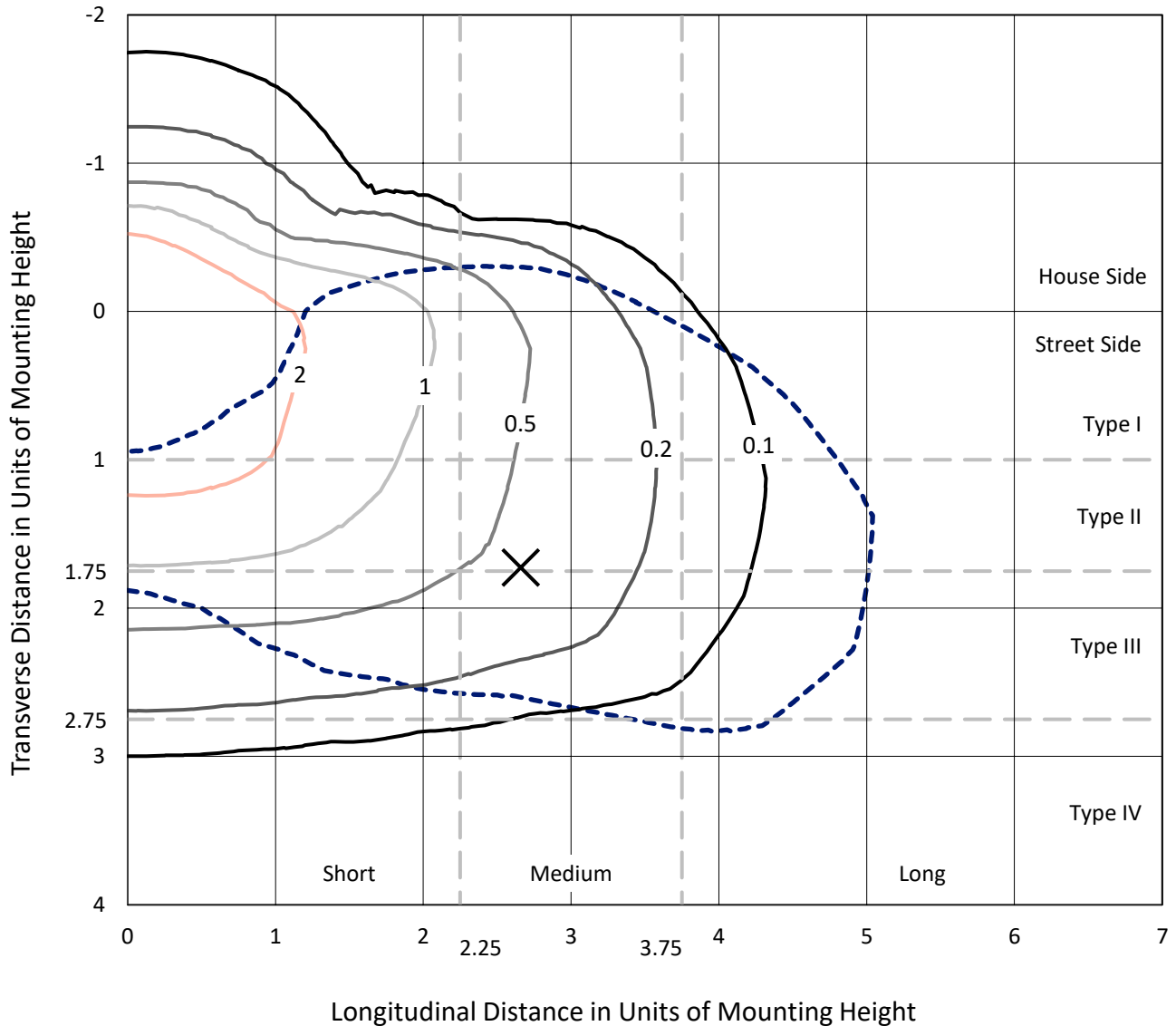
Lumens per Lamp: N/A
Luminaire Lumens: 5692.2 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

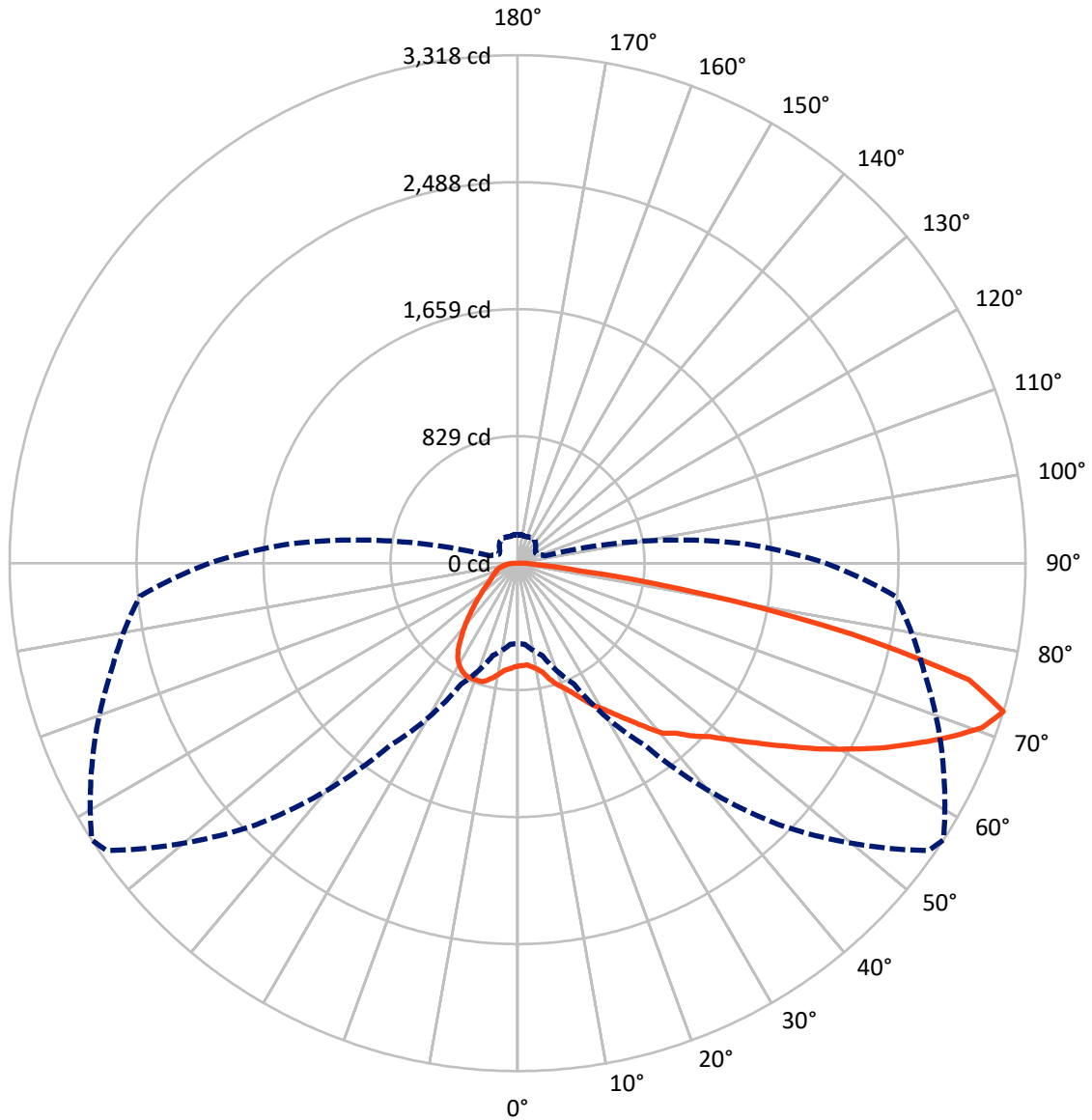
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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	1329.3	0.0	1329.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4362.9	0.0	4362.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	5692.2	0.0	5692.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.2
10°-20°	224.8	3.9
20°-30°	410.9	7.2
30°-40°	602.8	10.6
40°-50°	830.0	14.6
50°-60°	1138.1	20.0
60°-70°	1372.0	24.1
70°-80°	913.9	16.1
80°-90°	133.1	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°	5692.2	100.0
0°-180°	5692.2	100.0



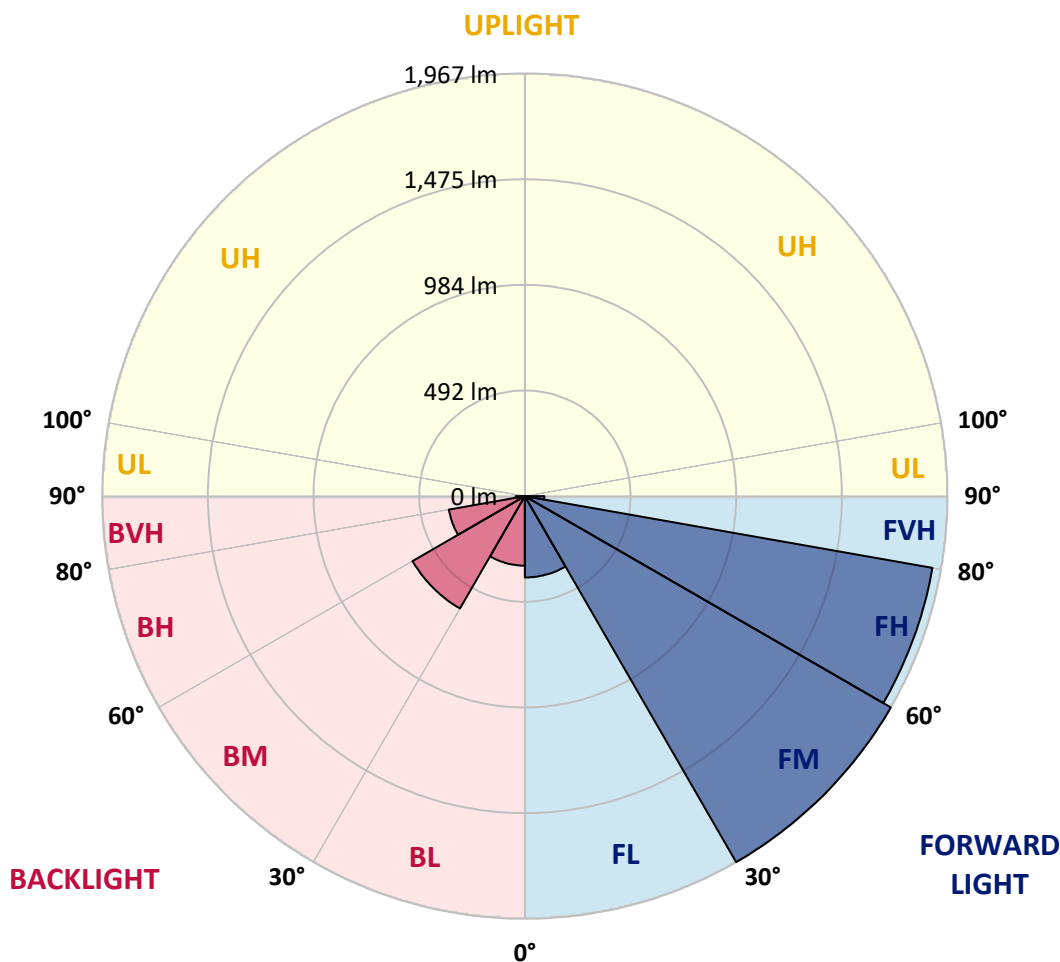
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.7	6.7			
FM (30°-60°)	1967.1	34.6			
FH (60°-80°)	1926.5	33.8			G2/5000
FVH (80°-90°)	90.6	1.6			G1/100
BL (0°-30°)	323.6	5.7	B1/500		
BM (30°-60°)	603.8	10.6	B1/1000		
BH (60°-80°)	359.4	6.3	B1/500		G1/500
BVH (80°-90°)	42.5	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9
2.5°	659.4	661.5	665.6	663.6	663.6	657.3	667.7	669.8	665.6	667.7	671.9
5°	659.4	663.6	669.8	665.6	667.7	665.6	661.5	667.7	667.7	669.8	676.0
7.5°	694.7	692.6	692.6	686.4	684.3	682.2	684.3	684.3	680.2	682.2	682.2
10°	734.1	734.1	729.9	729.9	725.8	715.4	705.0	703.0	696.7	698.8	698.8
12.5°	775.5	779.7	783.8	771.4	767.3	750.7	744.4	732.0	732.0	727.9	725.8
15°	827.4	821.2	825.3	821.2	810.8	794.2	783.8	785.9	771.4	767.3	761.0
17.5°	873.0	875.1	868.9	864.7	846.0	833.6	835.7	833.6	814.9	808.7	798.4
20°	926.9	924.8	924.8	912.4	895.8	879.2	873.0	870.9	875.1	862.6	837.8
22.5°	982.9	974.6	974.6	964.2	941.4	931.1	926.9	918.6	922.8	912.4	875.1
25°	1028.5	1028.5	1043.0	1022.3	1009.9	989.1	980.8	982.9	985.0	964.2	920.7
27.5°	1088.7	1078.3	1092.8	1082.4	1076.2	1053.4	1043.0	1049.3	1045.1	1022.3	962.2
30°	1165.4	1167.5	1159.2	1144.7	1136.4	1119.8	1113.6	1107.3	1113.6	1084.5	1007.8
32.5°	1260.8	1267.0	1246.3	1229.7	1215.2	1198.6	1186.1	1179.9	1186.1	1142.6	1043.0
35°	1370.7	1376.9	1360.3	1341.7	1325.1	1283.6	1273.2	1262.9	1240.0	1169.5	1076.2
37.5°	1472.3	1464.0	1459.9	1459.9	1428.7	1368.6	1362.4	1356.2	1312.6	1223.5	1121.8
40°	1540.7	1551.1	1546.9	1542.8	1538.6	1482.7	1470.2	1459.9	1387.3	1304.3	1186.1
42.5°	1617.4	1611.2	1627.8	1634.0	1619.5	1602.9	1553.2	1517.9	1453.6	1387.3	1281.5
45°	1708.7	1704.5	1710.8	1733.6	1712.8	1719.1	1636.1	1611.2	1530.4	1491.0	1401.8
47.5°	1789.6	1799.9	1831.0	1837.3	1820.7	1849.7	1733.6	1694.2	1642.3	1611.2	1526.2
50°	1824.8	1837.3	1907.8	1951.3	1953.4	1999.0	1831.0	1814.4	1743.9	1756.4	1681.7
52.5°	1795.8	1835.2	1920.2	2034.3	2104.8	2150.4	1959.6	1951.3	1887.0	1926.4	1851.8
55°	1822.7	1860.1	1916.1	2075.7	2254.1	2264.4	2137.9	2106.8	2042.5	2096.5	2028.0
57.5°	1835.2	1814.4	1920.2	2121.3	2364.0	2390.9	2308.0	2285.2	2235.4	2287.2	2247.8
60°	1737.7	1762.6	1862.1	2108.9	2370.2	2525.7	2498.8	2465.6	2420.0	2467.6	2444.8
62.5°	1627.8	1644.4	1752.2	2034.3	2405.4	2623.2	2683.3	2658.4	2594.1	2635.6	2675.0
65°	1488.9	1491.0	1611.2	1901.5	2337.0	2679.2	2845.1	2843.0	2797.4	2787.0	2849.2
67.5°	1318.8	1335.4	1430.8	1760.5	2243.7	2741.4	3004.7	3035.8	2944.6	2863.7	2886.5
70°	1011.9	1028.5	1119.8	1443.3	2052.9	2722.7	3201.7	3218.3	3040.0	2834.7	2776.6
72.5°	526.7	530.9	624.2	870.9	1455.7	2417.9	3274.3	3317.8	3064.9	2749.7	2475.9
75°	174.2	174.2	213.6	331.8	686.4	1546.9	2965.3	3044.1	2942.5	2538.1	2026.0
77.5°	103.7	105.8	126.5	165.9	273.7	617.9	2090.2	2229.2	2407.5	2158.7	1480.6
80°	74.7	76.7	95.4	114.1	163.8	199.1	1049.3	1242.1	1478.5	1389.3	790.1
82.5°	56.0	56.0	74.7	85.0	112.0	118.2	292.4	400.2	638.7	497.7	217.7
85°	58.1	58.1	58.1	60.1	76.7	68.4	122.3	130.6	186.6	163.8	60.1
87.5°	20.7	22.8	58.1	39.4	39.4	29.0	47.7	51.8	66.4	68.4	22.8
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°	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9
2.5°	673.9	673.9	676.0	676.0	680.2	684.3	690.5	686.4	686.4	688.5	686.4
5°	671.9	673.9	680.2	690.5	694.7	696.7	709.2	709.2	709.2	713.3	713.3
7.5°	680.2	684.3	694.7	705.0	707.1	713.3	729.9	734.1	744.4	748.6	750.7
10°	700.9	707.1	715.4	727.9	736.1	744.4	756.9	771.4	769.3	781.8	783.8
12.5°	732.0	729.9	744.4	756.9	765.2	777.6	781.8	781.8	781.8	781.8	785.9
15°	756.9	761.0	773.5	781.8	792.1	790.1	781.8	773.5	775.5	773.5	773.5
17.5°	794.2	794.2	804.6	806.7	810.8	790.1	777.6	777.6	783.8	783.8	779.7
20°	831.5	829.5	833.6	831.5	804.6	779.7	777.6	779.7	781.8	779.7	777.6
22.5°	866.8	862.6	856.4	848.1	800.4	777.6	773.5	763.1	752.7	752.7	746.5
25°	897.9	893.7	877.2	852.3	798.4	765.2	744.4	719.6	707.1	700.9	709.2
27.5°	926.9	918.6	895.8	852.3	779.7	732.0	692.6	661.5	651.1	642.8	651.1
30°	966.3	951.8	920.7	846.0	750.7	680.2	626.2	588.9	578.5	566.1	570.3
32.5°	1001.6	968.4	941.4	827.4	713.3	622.1	559.9	522.6	503.9	493.5	501.8
35°	1038.9	1005.7	949.7	798.4	655.3	551.6	489.4	454.1	439.6	425.1	425.1
37.5°	1076.2	1057.6	962.2	744.4	584.8	485.2	429.2	402.3	377.4	350.4	350.4
40°	1155.0	1130.1	976.7	682.2	514.3	421.0	381.6	346.3	321.4	284.1	282.0
42.5°	1238.0	1184.1	976.7	607.6	452.1	375.3	338.0	300.7	255.1	232.2	234.3
45°	1343.7	1281.5	949.7	541.2	389.8	338.0	296.5	248.8	228.1	213.6	213.6
47.5°	1476.4	1379.0	916.6	468.6	340.1	304.8	253.0	224.0	209.4	197.0	194.9
50°	1634.0	1468.1	875.1	406.4	298.6	273.7	230.2	207.4	194.9	186.6	186.6
52.5°	1799.9	1598.8	846.0	350.4	265.4	232.2	213.6	199.1	188.7	182.5	180.4
55°	1967.9	1729.4	825.3	290.3	234.3	213.6	209.4	197.0	192.8	186.6	182.5
57.5°	2156.6	1837.3	821.2	248.8	209.4	205.3	213.6	203.2	197.0	190.8	184.6
60°	2359.8	1982.4	783.8	215.7	197.0	201.1	207.4	197.0	192.8	186.6	182.5
62.5°	2561.0	2090.2	682.2	190.8	184.6	188.7	197.0	188.7	182.5	184.6	186.6
65°	2643.9	2098.5	528.8	172.1	170.0	172.1	184.6	182.5	176.3	188.7	188.7
67.5°	2561.0	2023.9	373.3	155.5	155.5	165.9	186.6	190.8	184.6	201.1	199.1
70°	2372.3	1839.3	253.0	145.2	149.3	176.3	192.8	188.7	180.4	201.1	197.0
72.5°	2013.5	1472.3	184.6	134.8	141.0	168.0	190.8	186.6	180.4	188.7	180.4
75°	1511.7	1047.2	145.2	122.3	124.4	151.4	197.0	186.6	170.0	165.9	159.7
77.5°	1009.9	647.0	112.0	107.8	107.8	132.7	188.7	174.2	153.5	147.2	145.2
80°	481.1	259.2	89.2	91.2	93.3	114.1	172.1	155.5	138.9	130.6	130.6
82.5°	153.5	97.5	74.7	74.7	74.7	93.3	143.1	130.6	120.3	114.1	103.7
85°	53.9	53.9	64.3	66.4	60.1	68.4	118.2	112.0	99.5	82.9	80.9
87.5°	20.7	31.1	43.5	51.8	37.3	47.7	85.0	78.8	72.6	53.9	51.8
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)