

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: P675058

Luminaire Tested: **CCW-SA-1D-850-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675058
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-850-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

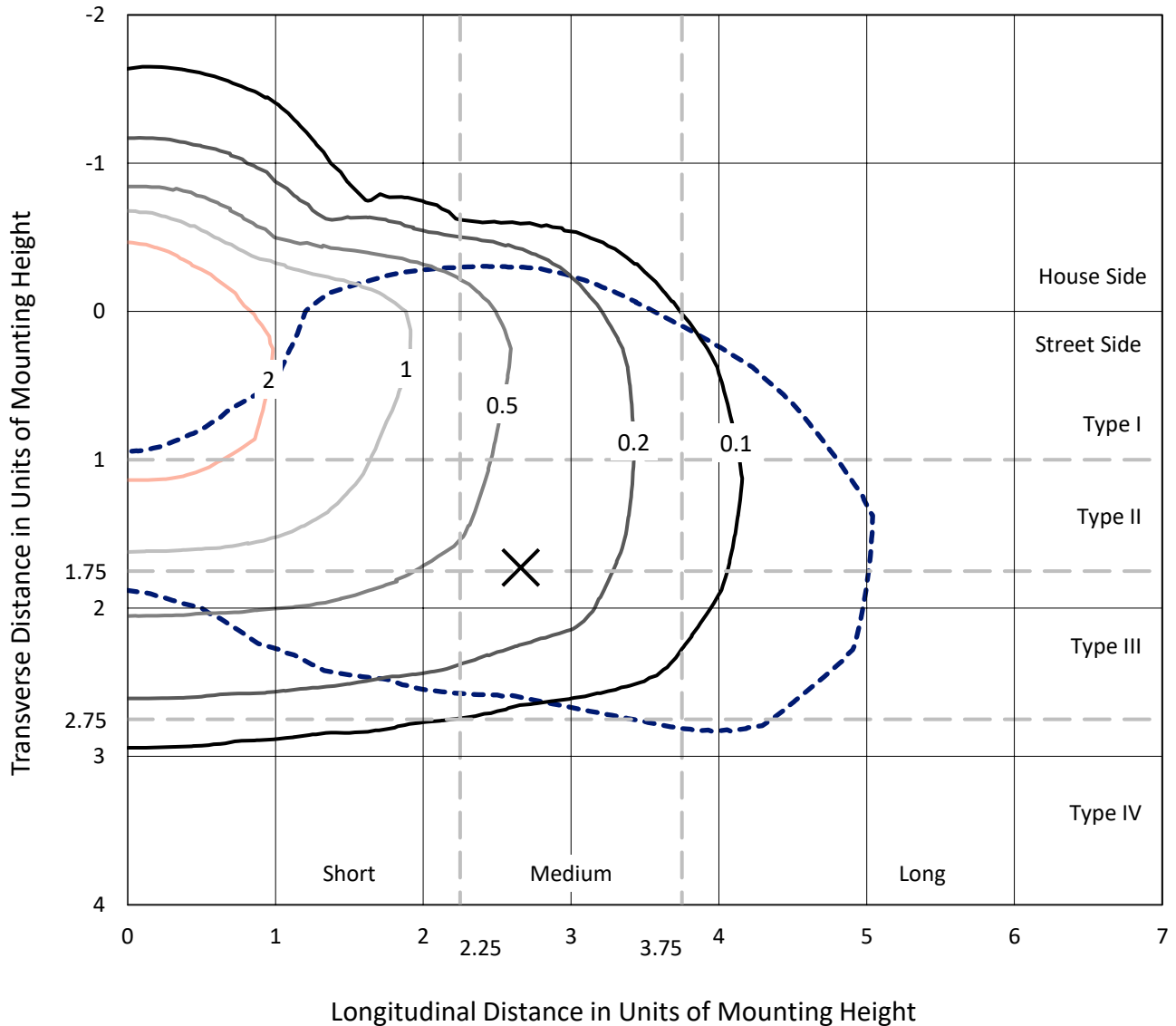
Lumens per Lamp: N/A
Luminaire Lumens: 4916.9 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

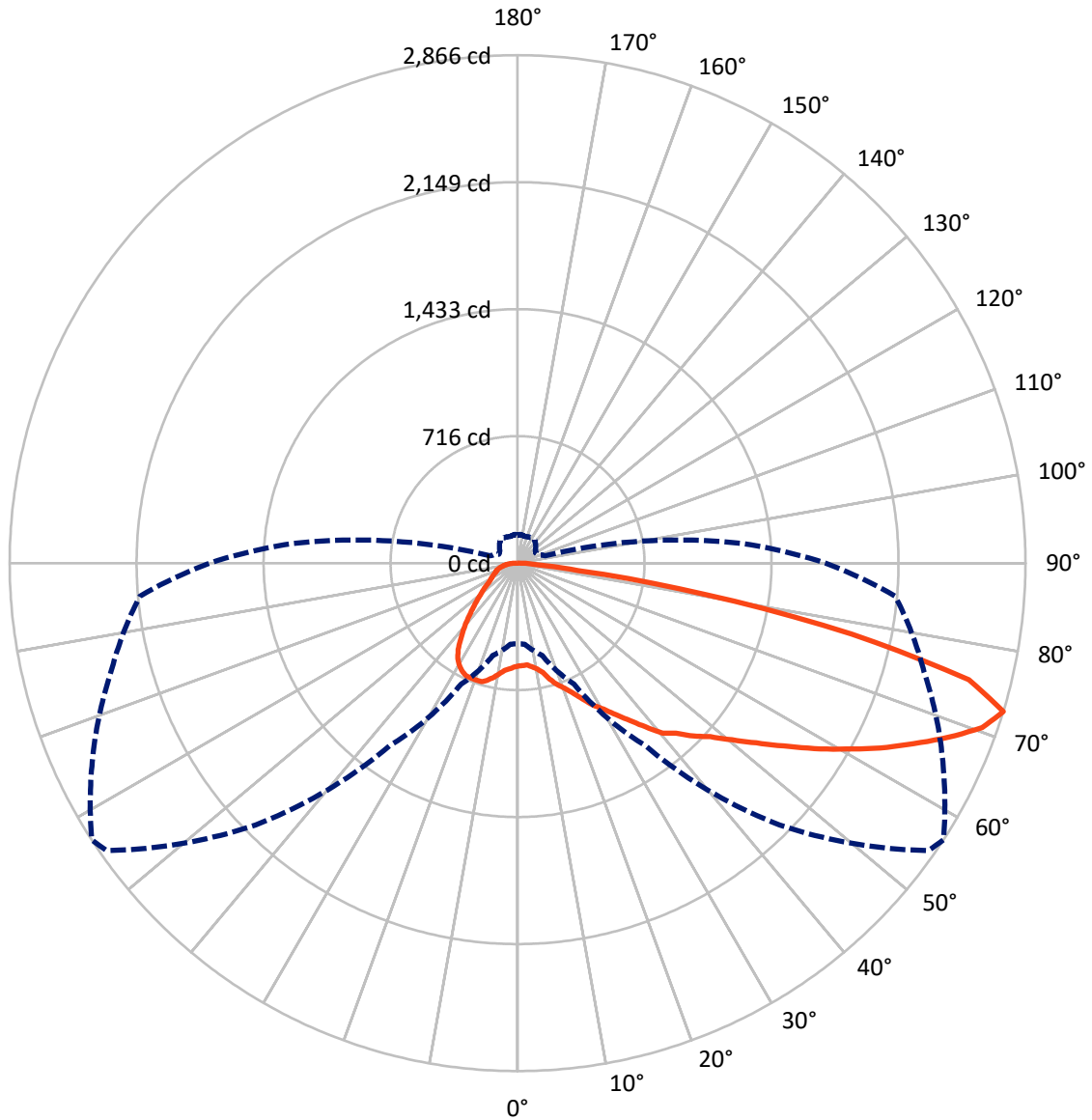
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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	1148.3	0.0	1148.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3768.7	0.0	3768.7
	% Fixture	76.6	0.0	76.6
Total	Lumens	4916.9	0.0	4916.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.2
10°-20°	194.1	3.9
20°-30°	354.9	7.2
30°-40°	520.7	10.6
40°-50°	716.9	14.6
50°-60°	983.1	20.0
60°-70°	1185.1	24.1
70°-80°	789.4	16.1
80°-90°	115.0	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°	4916.9	100.0
0°-180°	4916.9	100.0



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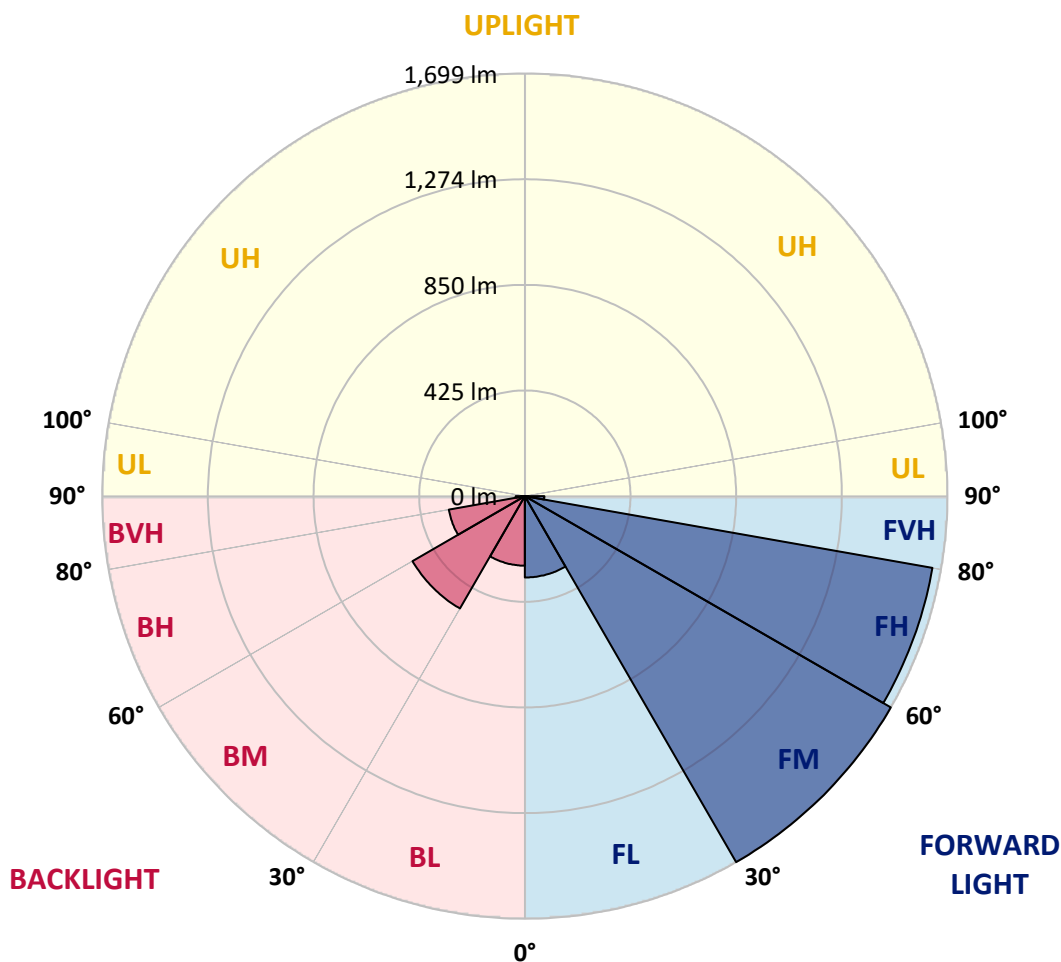
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.1	6.7			
FM (30°-60°)	1699.2	34.6			
FH (60°-80°)	1664.1	33.8			G1/1800
FVH (80°-90°)	78.3	1.6			G1/100
BL (0°-30°)	279.6	5.7	B1/500		
BM (30°-60°)	521.6	10.6	B1/1000		
BH (60°-80°)	310.5	6.3	B1/500		G1/500
BVH (80°-90°)	36.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4
2.5°	569.6	571.4	575.0	573.2	573.2	567.8	576.8	578.6	575.0	576.8	580.4
5°	569.6	573.2	578.6	575.0	576.8	575.0	571.4	576.8	576.8	578.6	583.9
7.5°	600.1	598.3	598.3	592.9	591.1	589.3	591.1	591.1	587.5	589.3	589.3
10°	634.1	634.1	630.5	630.5	626.9	618.0	609.0	607.2	601.8	603.6	603.6
12.5°	669.9	673.5	677.1	666.3	662.8	648.4	643.0	632.3	632.3	628.7	626.9
15°	714.7	709.3	712.9	709.3	700.4	686.0	677.1	678.9	666.3	662.8	657.4
17.5°	754.1	755.9	750.5	746.9	730.8	720.1	721.9	720.1	703.9	698.6	689.6
20°	800.7	798.9	798.9	788.1	773.8	759.5	754.1	752.3	755.9	745.1	723.7
22.5°	849.0	841.9	841.9	832.9	813.2	804.3	800.7	793.5	797.1	788.1	755.9
25°	888.4	888.4	901.0	883.1	872.3	854.4	847.2	849.0	850.8	832.9	795.3
27.5°	940.4	931.4	944.0	935.0	929.6	909.9	901.0	906.4	902.8	883.1	831.1
30°	1006.7	1008.5	1001.3	988.8	981.6	967.3	961.9	956.5	961.9	936.8	870.5
32.5°	1089.1	1094.4	1076.5	1062.2	1049.7	1035.3	1024.6	1019.2	1024.6	987.0	901.0
35°	1184.0	1189.4	1175.0	1158.9	1144.6	1108.8	1099.8	1090.9	1071.1	1010.2	929.6
37.5°	1271.8	1264.6	1261.0	1261.0	1234.1	1182.2	1176.8	1171.5	1133.8	1056.8	969.0
40°	1330.9	1339.8	1336.2	1332.7	1329.1	1280.7	1270.0	1261.0	1198.3	1126.7	1024.6
42.5°	1397.2	1391.8	1406.1	1411.5	1398.9	1384.6	1341.6	1311.2	1255.6	1198.3	1107.0
45°	1476.0	1472.4	1477.8	1497.5	1479.5	1484.9	1413.3	1391.8	1321.9	1287.9	1210.9
47.5°	1545.8	1554.8	1581.6	1587.0	1572.7	1597.8	1497.5	1463.4	1418.6	1391.8	1318.3
50°	1576.3	1587.0	1647.9	1685.5	1687.3	1726.7	1581.6	1567.3	1506.4	1517.2	1452.7
52.5°	1551.2	1585.2	1658.7	1757.2	1818.1	1857.5	1692.7	1685.5	1630.0	1664.0	1599.6
55°	1574.5	1606.7	1655.1	1793.0	1947.1	1956.0	1846.7	1819.9	1764.3	1810.9	1751.8
57.5°	1585.2	1567.3	1658.7	1832.4	2042.0	2065.3	1993.6	1973.9	1930.9	1975.7	1941.7
60°	1501.0	1522.5	1608.5	1821.7	2047.4	2181.7	2158.4	2129.8	2090.4	2131.5	2111.8
62.5°	1406.1	1420.4	1513.6	1757.2	2077.8	2265.9	2317.8	2296.3	2240.8	2276.6	2310.7
65°	1286.1	1287.9	1391.8	1642.5	2018.7	2314.3	2457.6	2455.8	2416.4	2407.4	2461.1
67.5°	1139.2	1153.5	1235.9	1520.7	1938.1	2368.0	2595.5	2622.3	2543.5	2473.7	2493.4
70°	874.1	888.4	967.3	1246.7	1773.3	2351.9	2765.6	2780.0	2625.9	2448.6	2398.4
72.5°	455.0	458.6	539.2	752.3	1257.4	2088.6	2828.3	2865.9	2647.4	2375.2	2138.7
75°	150.5	150.5	184.5	286.6	592.9	1336.2	2561.4	2629.5	2541.7	2192.5	1750.0
77.5°	89.6	91.4	109.3	143.3	236.4	533.8	1805.5	1925.6	2079.6	1864.7	1278.9
80°	64.5	66.3	82.4	98.5	141.5	172.0	906.4	1072.9	1277.1	1200.1	682.5
82.5°	48.4	48.4	64.5	73.4	96.7	102.1	252.6	345.7	551.7	429.9	188.1
85°	50.2	50.2	50.2	51.9	66.3	59.1	105.7	112.8	161.2	141.5	51.9
87.5°	17.9	19.7	50.2	34.0	34.0	25.1	41.2	44.8	57.3	59.1	19.7
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°	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4
2.5°	582.1	582.1	583.9	583.9	587.5	591.1	596.5	592.9	592.9	594.7	592.9
5°	580.4	582.1	587.5	596.5	600.1	601.8	612.6	612.6	612.6	616.2	616.2
7.5°	587.5	591.1	600.1	609.0	610.8	616.2	630.5	634.1	643.0	646.6	648.4
10°	605.4	610.8	618.0	628.7	635.9	643.0	653.8	666.3	664.5	675.3	677.1
12.5°	632.3	630.5	643.0	653.8	661.0	671.7	675.3	675.3	675.3	675.3	678.9
15°	653.8	657.4	668.1	675.3	684.2	682.5	675.3	668.1	669.9	668.1	668.1
17.5°	686.0	686.0	695.0	696.8	700.4	682.5	671.7	671.7	677.1	677.1	673.5
20°	718.3	716.5	720.1	718.3	695.0	673.5	671.7	673.5	675.3	673.5	671.7
22.5°	748.7	745.1	739.8	732.6	691.4	671.7	668.1	659.2	650.2	650.2	644.8
25°	775.6	772.0	757.7	736.2	689.6	661.0	643.0	621.6	610.8	605.4	612.6
27.5°	800.7	793.5	773.8	736.2	673.5	632.3	598.3	571.4	562.4	555.3	562.4
30°	834.7	822.2	795.3	730.8	648.4	587.5	540.9	508.7	499.7	489.0	492.6
32.5°	865.2	836.5	813.2	714.7	616.2	537.4	483.6	451.4	435.3	426.3	433.5
35°	897.4	868.7	820.4	689.6	566.0	476.5	422.7	392.3	379.7	367.2	367.2
37.5°	929.6	913.5	831.1	643.0	505.1	419.1	370.8	347.5	326.0	302.7	302.7
40°	997.7	976.2	843.7	589.3	444.2	363.6	329.6	299.1	277.6	245.4	243.6
42.5°	1069.4	1022.8	843.7	524.8	390.5	324.2	292.0	259.7	220.3	200.6	202.4
45°	1160.7	1107.0	820.4	467.5	336.7	292.0	256.1	214.9	197.0	184.5	184.5
47.5°	1275.3	1191.2	791.7	404.8	293.8	263.3	218.5	193.5	180.9	170.2	168.4
50°	1411.5	1268.2	755.9	351.1	257.9	236.4	198.8	179.1	168.4	161.2	161.2
52.5°	1554.8	1381.0	730.8	302.7	229.3	200.6	184.5	172.0	163.0	157.6	155.8
55°	1699.9	1493.9	712.9	250.8	202.4	184.5	180.9	170.2	166.6	161.2	157.6
57.5°	1862.9	1587.0	709.3	214.9	180.9	177.3	184.5	175.5	170.2	164.8	159.4
60°	2038.4	1712.4	677.1	186.3	170.2	173.7	179.1	170.2	166.6	161.2	157.6
62.5°	2212.2	1805.5	589.3	164.8	159.4	163.0	170.2	163.0	157.6	159.4	161.2
65°	2283.8	1812.7	456.8	148.7	146.9	148.7	159.4	157.6	152.3	163.0	163.0
67.5°	2212.2	1748.2	322.4	134.3	134.3	143.3	161.2	164.8	159.4	173.7	172.0
70°	2049.2	1588.8	218.5	125.4	129.0	152.3	166.6	163.0	155.8	173.7	170.2
72.5°	1739.3	1271.8	159.4	116.4	121.8	145.1	164.8	161.2	155.8	163.0	155.8
75°	1305.8	904.6	125.4	105.7	107.5	130.8	170.2	161.2	146.9	143.3	137.9
77.5°	872.3	558.9	96.7	93.1	93.1	114.6	163.0	150.5	132.6	127.2	125.4
80°	415.6	223.9	77.0	78.8	80.6	98.5	148.7	134.3	120.0	112.8	112.8
82.5°	132.6	84.2	64.5	64.5	64.5	80.6	123.6	112.8	103.9	98.5	89.6
85°	46.6	46.6	55.5	57.3	51.9	59.1	102.1	96.7	86.0	71.6	69.9
87.5°	17.9	26.9	37.6	44.8	32.2	41.2	73.4	68.1	62.7	46.6	44.8
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)