

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: P675004

Luminaire Tested: **CCW-SA-1E-760-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675004
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-760-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

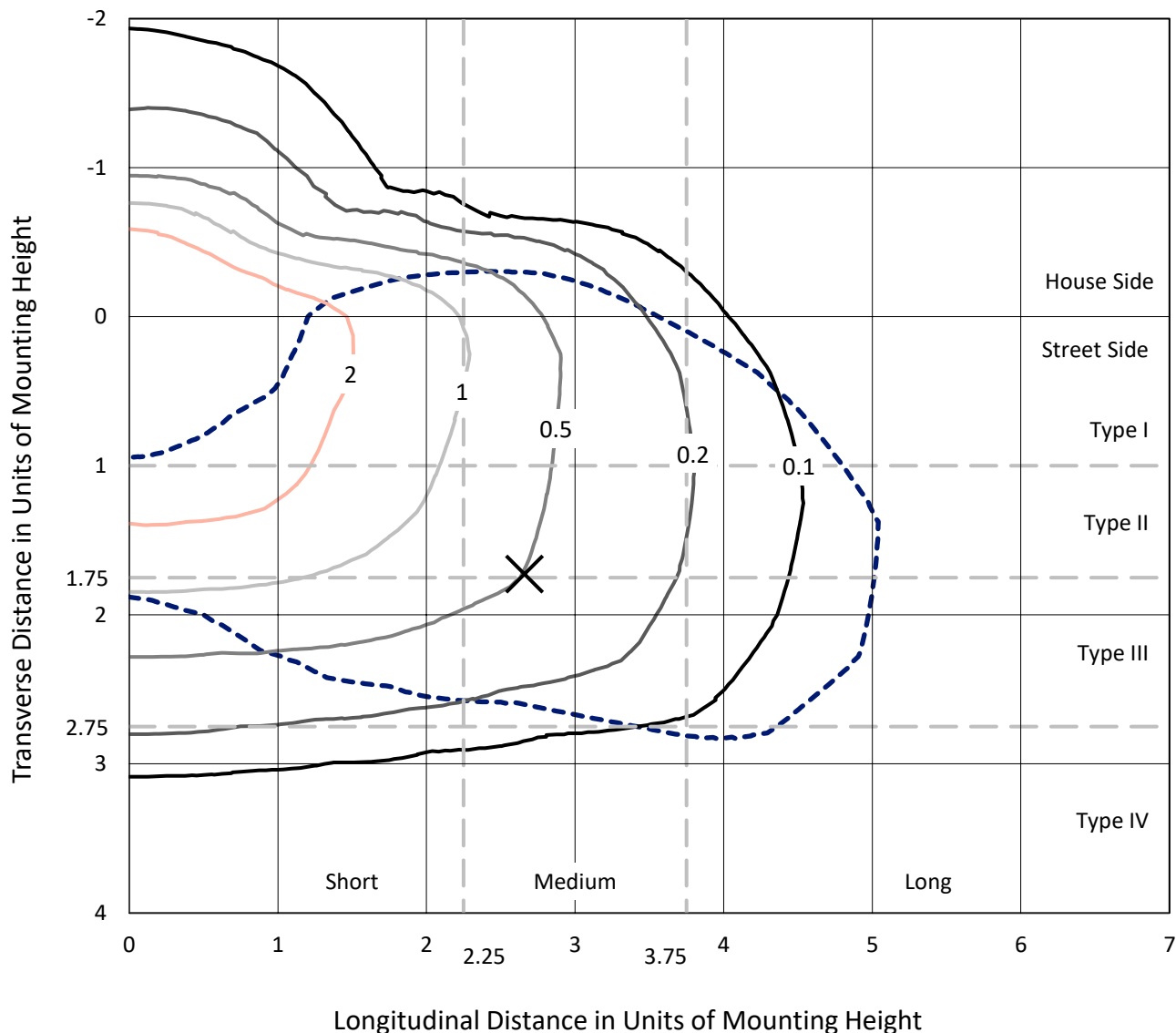
Lumens per Lamp: N/A
Luminaire Lumens: 7066.2 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

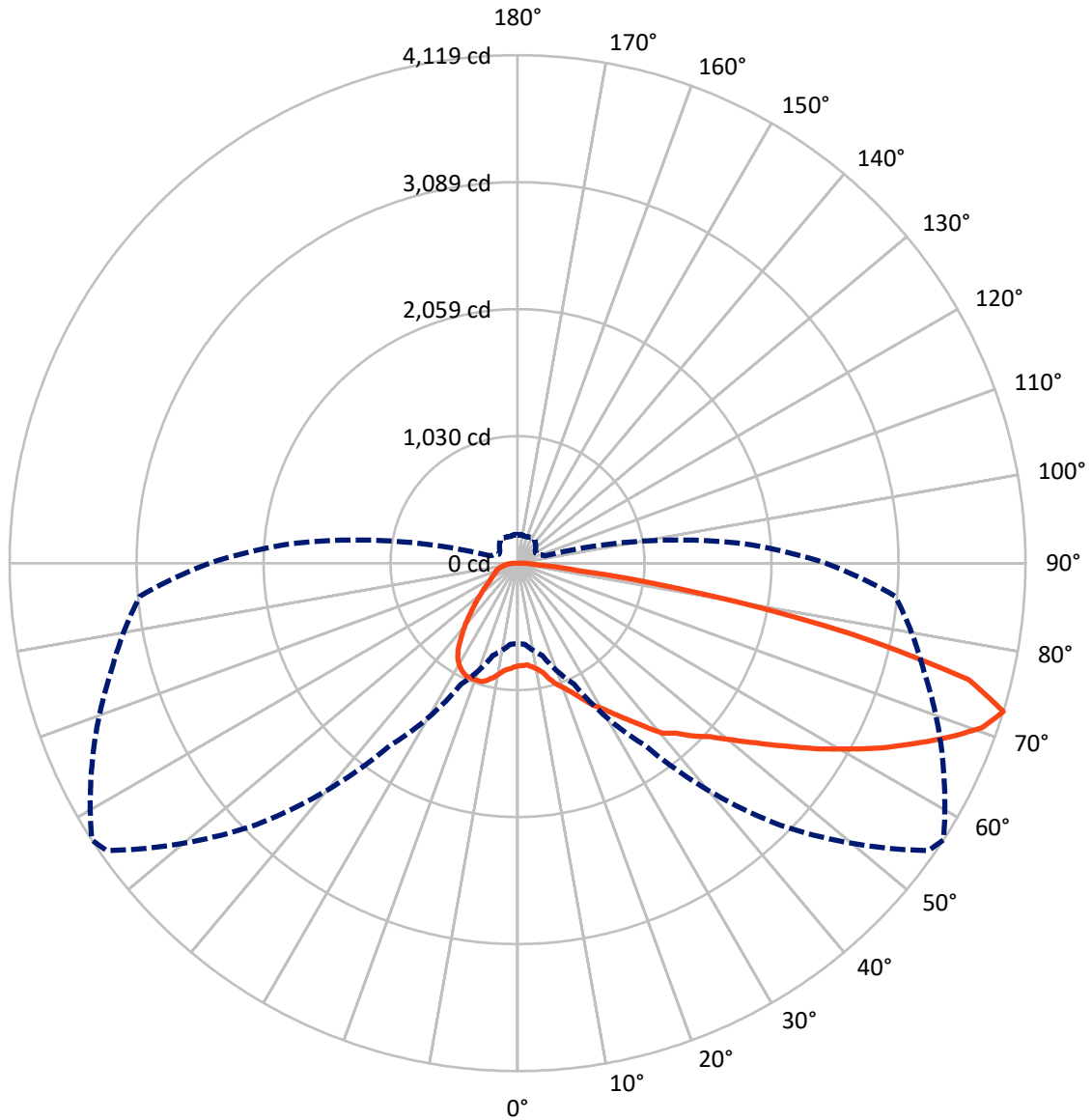
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 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	1650.2	0.0	1650.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5416.0	0.0	5416.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	7066.2	0.0	7066.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	1.2
10°-20°	279.0	3.9
20°-30°	510.1	7.2
30°-40°	748.3	10.6
40°-50°	1030.3	14.6
50°-60°	1412.9	20.0
60°-70°	1703.1	24.1
70°-80°	1134.5	16.1
80°-90°	165.2	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°	7066.2	100.0
0°-180°	7066.2	100.0



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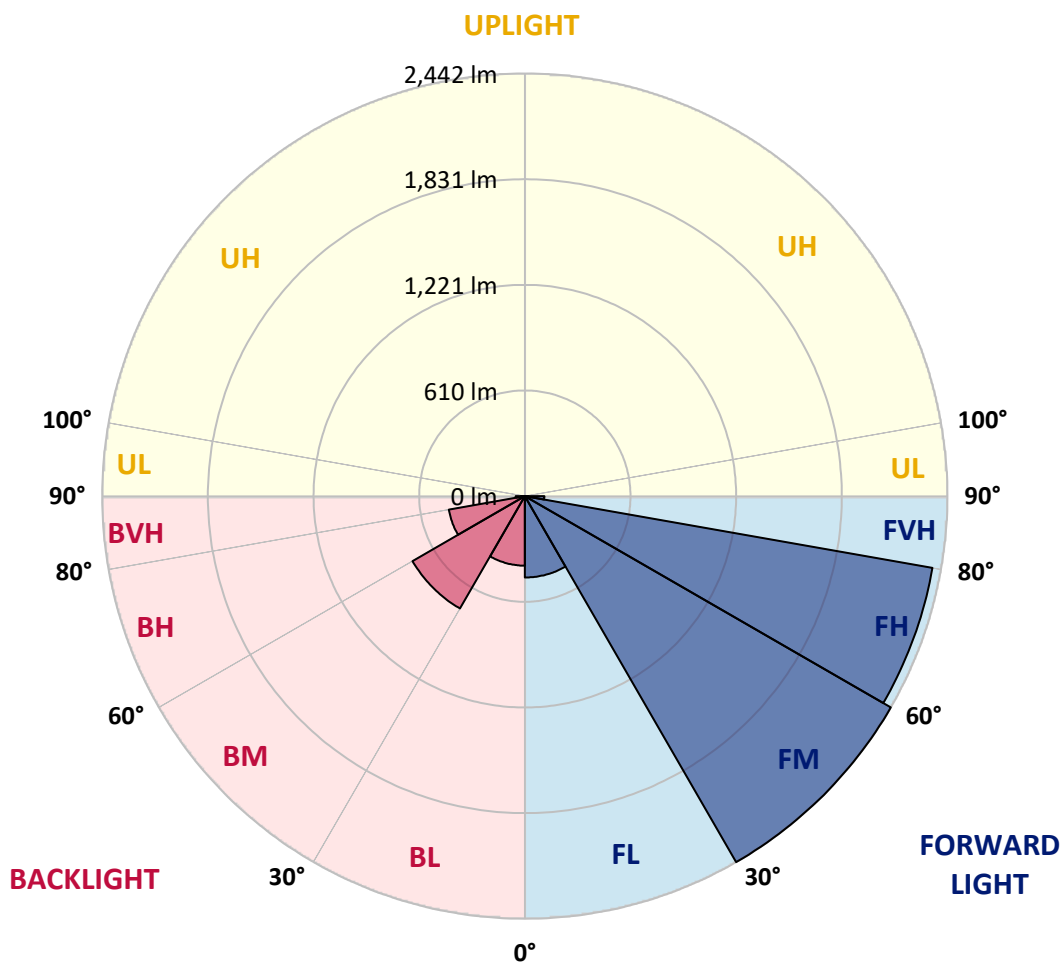
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.1	6.7			
FM (30°-60°)	2441.9	34.6			
FH (60°-80°)	2391.5	33.8			G2/5000
FVH (80°-90°)	112.5	1.6			G2/225
BL (0°-30°)	401.8	5.7	B1/500		
BM (30°-60°)	749.5	10.6	B1/1000		
BH (60°-80°)	446.2	6.3	B1/500		G1/500
BVH (80°-90°)	52.7	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	818.6	821.2	826.3	823.7	823.7	816.0	828.9	831.5	826.3	828.9	834.0
5°	818.6	823.7	831.5	826.3	828.9	826.3	821.2	828.9	828.9	831.5	839.2
7.5°	862.4	859.8	859.8	852.1	849.5	846.9	849.5	849.5	844.3	846.9	846.9
10°	911.3	911.3	906.1	906.1	901.0	888.1	875.2	872.7	864.9	867.5	867.5
12.5°	962.7	967.9	973.0	957.6	952.5	931.9	924.1	908.7	908.7	903.5	901.0
15°	1027.1	1019.4	1024.5	1019.4	1006.5	985.9	973.0	975.6	957.6	952.5	944.7
17.5°	1083.7	1086.3	1078.6	1073.4	1050.3	1034.8	1037.4	1034.8	1011.7	1003.9	991.1
20°	1150.7	1148.1	1148.1	1132.6	1112.1	1091.5	1083.7	1081.2	1086.3	1070.9	1040.0
22.5°	1220.2	1209.9	1209.9	1197.0	1168.7	1155.8	1150.7	1140.4	1145.5	1132.6	1086.3
25°	1276.8	1276.8	1294.8	1269.1	1253.6	1227.9	1217.6	1220.2	1222.7	1197.0	1142.9
27.5°	1351.5	1338.6	1356.6	1343.7	1336.0	1307.7	1294.8	1302.5	1297.4	1269.1	1194.4
30°	1446.7	1449.3	1439.0	1421.0	1410.7	1390.1	1382.3	1374.6	1382.3	1346.3	1251.1
32.5°	1565.1	1572.8	1547.1	1526.5	1508.5	1487.9	1472.4	1464.7	1472.4	1418.4	1294.8
35°	1701.5	1709.3	1688.7	1665.5	1644.9	1593.4	1580.6	1567.7	1539.4	1451.8	1336.0
37.5°	1827.7	1817.4	1812.2	1812.2	1773.6	1699.0	1691.2	1683.5	1629.5	1518.8	1392.6
40°	1912.6	1925.5	1920.4	1915.2	1910.1	1840.6	1825.1	1812.2	1722.1	1619.2	1472.4
42.5°	2007.9	2000.2	2020.7	2028.5	2010.4	1989.9	1928.1	1884.3	1804.5	1722.1	1590.9
45°	2121.1	2116.0	2123.7	2152.0	2126.3	2134.0	2031.0	2000.2	1899.8	1850.8	1740.2
47.5°	2221.5	2234.4	2273.0	2280.7	2260.1	2296.2	2152.0	2103.1	2038.8	2000.2	1894.6
50°	2265.3	2280.7	2368.3	2422.3	2424.9	2481.5	2273.0	2252.4	2164.9	2180.3	2087.7
52.5°	2229.3	2278.2	2383.7	2525.3	2612.8	2669.4	2432.6	2422.3	2342.5	2391.4	2298.8
55°	2262.7	2309.1	2378.6	2576.8	2798.2	2811.0	2654.0	2615.4	2535.6	2602.5	2517.6
57.5°	2278.2	2252.4	2383.7	2633.4	2934.6	2968.0	2865.1	2836.8	2775.0	2839.3	2790.4
60°	2157.2	2188.1	2311.6	2618.0	2942.3	3135.4	3101.9	3060.7	3004.1	3063.3	3035.0
62.5°	2020.7	2041.3	2175.2	2525.3	2986.1	3256.4	3331.0	3300.1	3220.3	3271.8	3320.7
65°	1848.3	1850.8	2000.2	2360.5	2901.1	3325.9	3531.8	3529.2	3472.6	3459.7	3536.9
67.5°	1637.2	1657.8	1776.2	2185.5	2785.3	3403.1	3730.0	3768.6	3655.4	3555.0	3583.3
70°	1256.2	1276.8	1390.1	1791.6	2548.5	3379.9	3974.6	3995.2	3773.8	3518.9	3446.8
72.5°	653.8	659.0	774.8	1081.2	1807.1	3001.5	4064.7	4118.7	3804.7	3413.4	3073.6
75°	216.2	216.2	265.1	411.9	852.1	1920.4	3681.1	3778.9	3652.8	3150.8	2515.0
77.5°	128.7	131.3	157.0	205.9	339.8	767.1	2594.8	2767.3	2988.6	2679.7	1838.0
80°	92.7	95.2	118.4	141.6	203.4	247.1	1302.5	1541.9	1835.4	1724.7	980.8
82.5°	69.5	69.5	92.7	105.5	139.0	146.7	363.0	496.8	792.9	617.8	270.3
85°	72.1	72.1	72.1	74.7	95.2	84.9	151.9	162.2	231.7	203.4	74.7
87.5°	25.7	28.3	72.1	48.9	48.9	36.0	59.2	64.4	82.4	84.9	28.3
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°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	836.6	836.6	839.2	839.2	844.3	849.5	857.2	852.1	852.1	854.6	852.1
5°	834.0	836.6	844.3	857.2	862.4	864.9	880.4	880.4	880.4	885.5	885.5
7.5°	844.3	849.5	862.4	875.2	877.8	885.5	906.1	911.3	924.1	929.3	931.9
10°	870.1	877.8	888.1	903.5	913.8	924.1	939.6	957.6	955.0	970.5	973.0
12.5°	908.7	906.1	924.1	939.6	949.9	965.3	970.5	970.5	970.5	970.5	975.6
15°	939.6	944.7	960.2	970.5	983.3	980.8	970.5	960.2	962.7	960.2	960.2
17.5°	985.9	985.9	998.8	1001.4	1006.5	980.8	965.3	965.3	973.0	973.0	967.9
20°	1032.3	1029.7	1034.8	1032.3	998.8	967.9	965.3	967.9	970.5	967.9	965.3
22.5°	1076.0	1070.9	1063.1	1052.8	993.6	965.3	960.2	947.3	934.4	934.4	926.7
25°	1114.6	1109.5	1088.9	1058.0	991.1	949.9	924.1	893.2	877.8	870.1	880.4
27.5°	1150.7	1140.4	1112.1	1058.0	967.9	908.7	859.8	821.2	808.3	798.0	808.3
30°	1199.6	1181.6	1142.9	1050.3	931.9	844.3	777.4	731.1	718.2	702.8	707.9
32.5°	1243.3	1202.1	1168.7	1027.1	885.5	772.3	695.0	648.7	625.5	612.7	623.0
35°	1289.7	1248.5	1179.0	991.1	813.4	684.7	607.5	563.7	545.7	527.7	527.7
37.5°	1336.0	1312.8	1194.4	924.1	725.9	602.4	532.9	499.4	468.5	435.0	435.0
40°	1433.8	1402.9	1212.4	846.9	638.4	522.6	473.7	429.9	399.0	352.7	350.1
42.5°	1536.8	1469.9	1212.4	754.2	561.2	465.9	419.6	373.3	316.6	288.3	290.9
45°	1668.1	1590.9	1179.0	671.9	483.9	419.6	368.1	308.9	283.2	265.1	265.1
47.5°	1832.8	1711.8	1137.8	581.8	422.2	378.4	314.1	278.0	260.0	244.5	242.0
50°	2028.5	1822.5	1086.3	504.5	370.7	339.8	285.7	257.4	242.0	231.7	231.7
52.5°	2234.4	1984.7	1050.3	435.0	329.5	288.3	265.1	247.1	234.3	226.5	224.0
55°	2442.9	2146.9	1024.5	360.4	290.9	265.1	260.0	244.5	239.4	231.7	226.5
57.5°	2677.2	2280.7	1019.4	308.9	260.0	254.8	265.1	252.3	244.5	236.8	229.1
60°	2929.4	2460.9	973.0	267.7	244.5	249.7	257.4	244.5	239.4	231.7	226.5
62.5°	3179.1	2594.8	846.9	236.8	229.1	234.3	244.5	234.3	226.5	229.1	231.7
65°	3282.1	2605.1	656.4	213.7	211.1	213.7	229.1	226.5	218.8	234.3	234.3
67.5°	3179.1	2512.4	463.4	193.1	193.1	205.9	231.7	236.8	229.1	249.7	247.1
70°	2944.9	2283.3	314.1	180.2	185.3	218.8	239.4	234.3	224.0	249.7	244.5
72.5°	2499.5	1827.7	229.1	167.3	175.0	208.5	236.8	231.7	224.0	234.3	224.0
75°	1876.6	1300.0	180.2	151.9	154.5	187.9	244.5	231.7	211.1	205.9	198.2
77.5°	1253.6	803.1	139.0	133.9	133.9	164.7	234.3	216.2	190.5	182.8	180.2
80°	597.2	321.8	110.7	113.3	115.8	141.6	213.7	193.1	172.5	162.2	162.2
82.5°	190.5	121.0	92.7	92.7	92.7	115.8	177.6	162.2	149.3	141.6	128.7
85°	66.9	66.9	79.8	82.4	74.7	84.9	146.7	139.0	123.6	103.0	100.4
87.5°	25.7	38.6	54.1	64.4	46.3	59.2	105.5	97.8	90.1	66.9	64.4
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)