

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: P675182

Luminaire Tested: **CCW-SA-1F-835-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675182
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-835-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T4FT distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

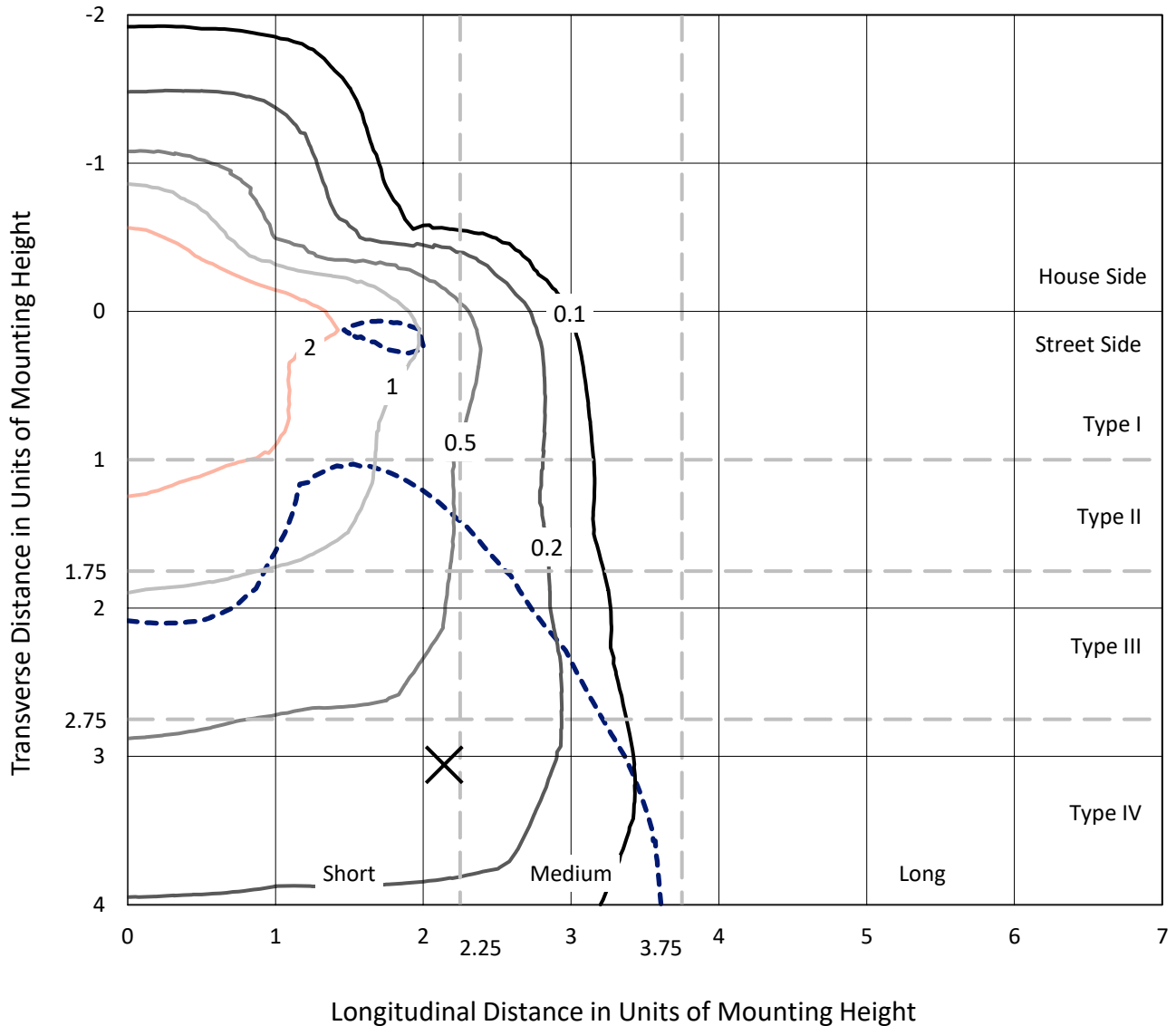
Lumens per Lamp: N/A
Luminaire Lumens: 6174.3 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

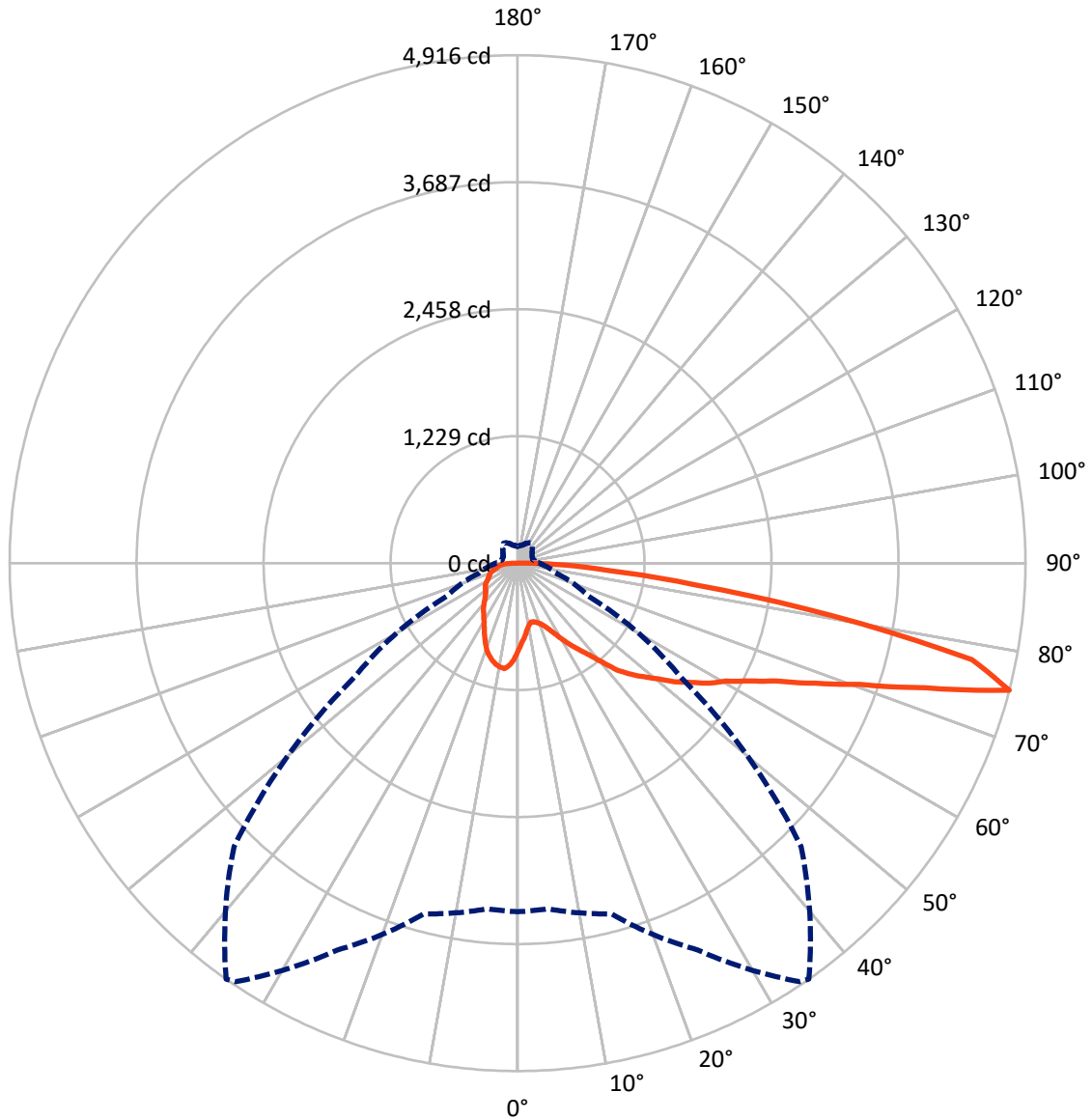
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1419.0	0.0	1419.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4755.3	0.0	4755.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	6174.3	0.0	6174.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.3
10°-20°	233.9	3.8
20°-30°	388.2	6.3
30°-40°	575.4	9.3
40°-50°	829.7	13.4
50°-60°	1140.9	18.5
60°-70°	1409.3	22.8
70°-80°	1289.3	20.9
80°-90°	227.0	3.7
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°	6174.3	100.0
0°-180°	6174.3	100.0

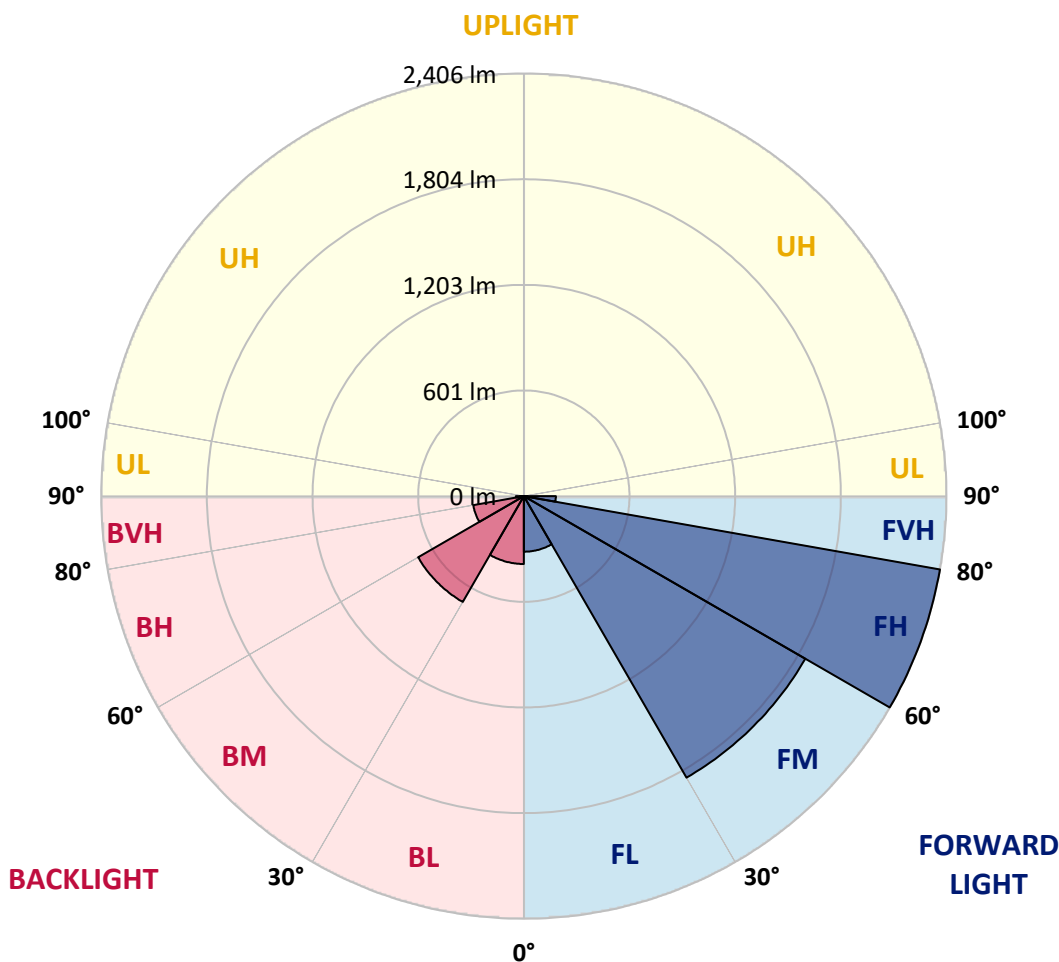


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.5	5.1			
FM (30°-60°)	1850.7	30.0			
FH (60°-80°)	2406.0	39.0			G2/5000
FVH (80°-90°)	182.2	3.0			G2/225
BL (0°-30°)	386.2	6.3	B1/500		
BM (30°-60°)	695.4	11.3	B1/1000		
BH (60°-80°)	292.6	4.7	B1/500		G1/500
BVH (80°-90°)	44.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	766.3	759.5	766.3	770.9	770.9	770.9	777.7	798.2	811.8	820.9	836.8
5°	686.7	689.0	693.6	704.9	711.7	716.3	727.7	752.7	773.1	802.7	836.8
7.5°	616.2	620.8	627.6	639.0	654.9	652.6	677.6	711.7	750.4	789.1	839.1
10°	579.9	589.0	591.2	593.5	609.4	609.4	643.5	682.2	729.9	780.0	839.1
12.5°	586.7	586.7	579.9	577.6	586.7	584.4	614.0	659.4	711.7	782.2	848.2
15°	607.1	607.1	593.5	579.9	593.5	589.0	614.0	650.4	711.7	784.5	866.4
17.5°	634.4	636.7	620.8	598.1	602.6	604.9	623.1	657.2	711.7	789.1	891.4
20°	689.0	677.6	652.6	616.2	632.2	625.3	652.6	682.2	725.4	807.3	927.8
22.5°	736.8	736.8	689.0	657.2	659.4	659.4	684.5	709.5	745.9	832.3	955.1
25°	814.1	809.5	750.4	702.7	707.2	709.5	723.1	752.7	780.0	845.9	989.2
27.5°	911.9	900.5	841.4	786.8	768.6	775.4	782.2	805.0	811.8	868.7	1030.1
30°	1016.5	1000.5	950.5	864.1	855.0	857.3	845.9	859.6	850.5	905.0	1071.0
32.5°	1082.4	1082.4	1034.6	971.0	946.0	946.0	907.3	916.4	916.4	939.1	1143.8
35°	1139.3	1134.7	1102.9	1055.1	1039.2	1030.1	991.4	1005.1	982.3	1005.1	1246.1
37.5°	1225.7	1212.0	1198.4	1166.5	1134.7	1127.9	1107.4	1116.5	1084.7	1073.3	1362.1
40°	1325.7	1318.9	1305.3	1291.6	1259.8	1257.5	1234.8	1243.9	1209.7	1166.5	1478.1
42.5°	1473.5	1453.1	1409.9	1398.5	1405.3	1414.4	1405.3	1389.4	1328.0	1273.4	1603.1
45°	1621.3	1589.5	1507.6	1489.4	1541.7	1534.9	1573.6	1566.8	1466.7	1380.3	1735.0
47.5°	1716.8	1689.5	1623.6	1612.2	1635.0	1644.1	1760.0	1739.6	1580.4	1478.1	1862.4
50°	1785.1	1787.3	1700.9	1730.5	1760.0	1760.0	1905.6	1903.3	1719.1	1598.6	2028.4
52.5°	1885.1	1853.3	1816.9	1844.2	1885.1	1907.8	2087.5	2037.5	1805.5	1700.9	2214.8
55°	1937.4	1923.8	1891.9	1939.7	2026.1	2037.5	2228.5	2189.8	1903.3	1821.4	2405.8
57.5°	1957.9	1969.2	2021.5	2042.0	2162.5	2192.1	2355.8	2301.2	1994.3	1971.5	2553.7
60°	2048.8	2032.9	2103.4	2185.3	2301.2	2317.2	2515.0	2396.7	2082.9	2069.3	2601.4
62.5°	2233.0	2192.1	2230.8	2328.5	2490.0	2510.4	2683.3	2524.1	2121.6	2135.2	2599.1
65°	2501.4	2471.8	2414.9	2492.3	2719.7	2749.2	2881.1	2633.2	2110.2	2112.5	2414.9
67.5°	2817.4	2769.7	2710.6	2758.3	3035.7	3103.9	3122.1	2681.0	2030.6	1985.2	1964.7
70°	3094.9	3063.0	3024.4	3106.2	3492.8	3517.8	3422.3	2651.4	1810.1	1594.0	1309.8
72.5°	3354.1	3338.2	3360.9	3667.9	4111.3	4127.2	3704.3	2465.0	1430.3	966.4	609.4
75°	3374.5	3358.6	3515.5	4131.8	4886.7	4916.3	3879.4	1932.9	755.0	393.4	257.0
77.5°	2285.3	2333.1	2626.4	3617.9	4488.8	4495.6	3172.2	898.2	311.5	231.9	179.6
80°	561.7	623.1	989.2	1871.5	3026.6	3101.7	1737.3	302.4	204.7	177.4	134.2
82.5°	204.7	222.8	402.5	845.9	1700.9	1730.5	607.1	163.7	147.8	136.4	97.8
85°	97.8	100.1	191.0	416.1	859.6	850.5	218.3	97.8	106.9	93.2	59.1
87.5°	40.9	40.9	84.1	193.3	379.8	368.4	70.5	45.5	61.4	54.6	29.6
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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	848.2	852.7	870.9	884.6	898.2	909.6	927.8	927.8	939.1	939.1	939.1
5°	845.9	870.9	900.5	932.3	952.8	973.3	991.4	993.7	1000.5	1009.6	1011.9
7.5°	855.0	880.0	927.8	973.3	998.3	1007.4	1030.1	1023.3	1023.3	1023.3	1030.1
10°	873.2	900.5	966.4	1007.4	1025.6	1027.8	1021.0	1016.5	1002.8	998.3	991.4
12.5°	886.8	934.6	1000.5	1032.4	1025.6	1018.7	1002.8	980.1	964.2	959.6	959.6
15°	921.0	968.7	1030.1	1041.5	1030.1	993.7	973.3	948.2	934.6	914.1	923.2
17.5°	950.5	1005.1	1059.7	1046.0	1023.3	966.4	936.9	900.5	882.3	859.6	859.6
20°	989.2	1039.2	1087.0	1050.6	1000.5	939.1	891.4	845.9	820.9	798.2	802.7
22.5°	1032.4	1077.9	1102.9	1032.4	966.4	895.9	830.0	786.8	755.0	741.3	745.9
25°	1066.5	1116.5	1112.0	1002.8	925.5	841.4	768.6	727.7	720.8	707.2	707.2
27.5°	1109.7	1162.0	1105.1	966.4	857.3	755.0	709.5	693.6	693.6	686.7	691.3
30°	1166.5	1202.9	1089.2	914.1	770.9	677.6	654.9	664.0	679.9	673.1	675.4
32.5°	1259.8	1255.2	1075.6	855.0	679.9	602.6	618.5	636.7	650.4	657.2	661.7
35°	1350.7	1321.2	1059.7	775.4	595.8	566.2	579.9	600.3	625.3	632.2	634.4
37.5°	1441.7	1389.4	1032.4	677.6	543.5	534.4	548.0	559.4	579.9	584.4	589.0
40°	1537.2	1434.9	984.6	582.1	500.3	500.3	509.4	511.6	523.0	529.8	534.4
42.5°	1621.3	1478.1	898.2	493.4	454.8	470.7	473.0	468.4	459.3	463.9	466.2
45°	1723.7	1525.8	798.2	429.8	420.7	441.1	445.7	427.5	411.6	402.5	397.9
47.5°	1823.7	1575.9	711.7	377.5	388.8	420.7	420.7	400.2	372.9	350.2	341.1
50°	1914.7	1625.9	641.3	345.6	357.0	404.8	409.3	370.7	341.1	313.8	309.3
52.5°	2067.0	1710.0	568.5	320.6	338.8	393.4	391.1	357.0	318.4	288.8	286.5
55°	2201.2	1794.2	473.0	295.6	320.6	377.5	384.3	343.4	291.1	263.8	259.2
57.5°	2299.0	1814.6	377.5	270.6	302.4	359.3	368.4	316.1	272.9	250.1	247.9
60°	2317.2	1735.0	307.0	250.1	277.4	334.3	341.1	300.2	259.2	241.0	236.5
62.5°	2233.0	1582.7	261.5	231.9	257.0	309.3	322.9	282.0	245.6	229.7	227.4
65°	2042.0	1359.8	229.7	216.0	243.3	291.1	307.0	268.3	234.2	220.6	218.3
67.5°	1616.8	1043.7	204.7	204.7	225.1	272.9	295.6	259.2	222.8	213.8	211.5
70°	1057.4	627.6	186.5	188.7	211.5	257.0	282.0	247.9	209.2	206.9	202.4
72.5°	454.8	288.8	166.0	172.8	191.0	229.7	261.5	231.9	193.3	186.5	179.6
75°	209.2	175.1	150.1	154.6	170.5	202.4	236.5	213.8	179.6	168.3	161.5
77.5°	147.8	127.3	125.1	134.2	145.5	175.1	209.2	200.1	166.0	156.9	152.4
80°	109.1	97.8	104.6	113.7	120.5	161.5	197.8	184.2	152.4	138.7	131.9
82.5°	77.3	72.8	81.9	91.0	97.8	141.0	181.9	161.5	127.3	116.0	104.6
85°	45.5	47.8	56.8	61.4	68.2	104.6	152.4	129.6	97.8	75.0	72.8
87.5°	20.5	20.5	27.3	29.6	34.1	61.4	102.3	81.9	61.4	47.8	45.5
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)