

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: P674830

Luminaire Tested: **CCW-SA-2B-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674830
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6794.6 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

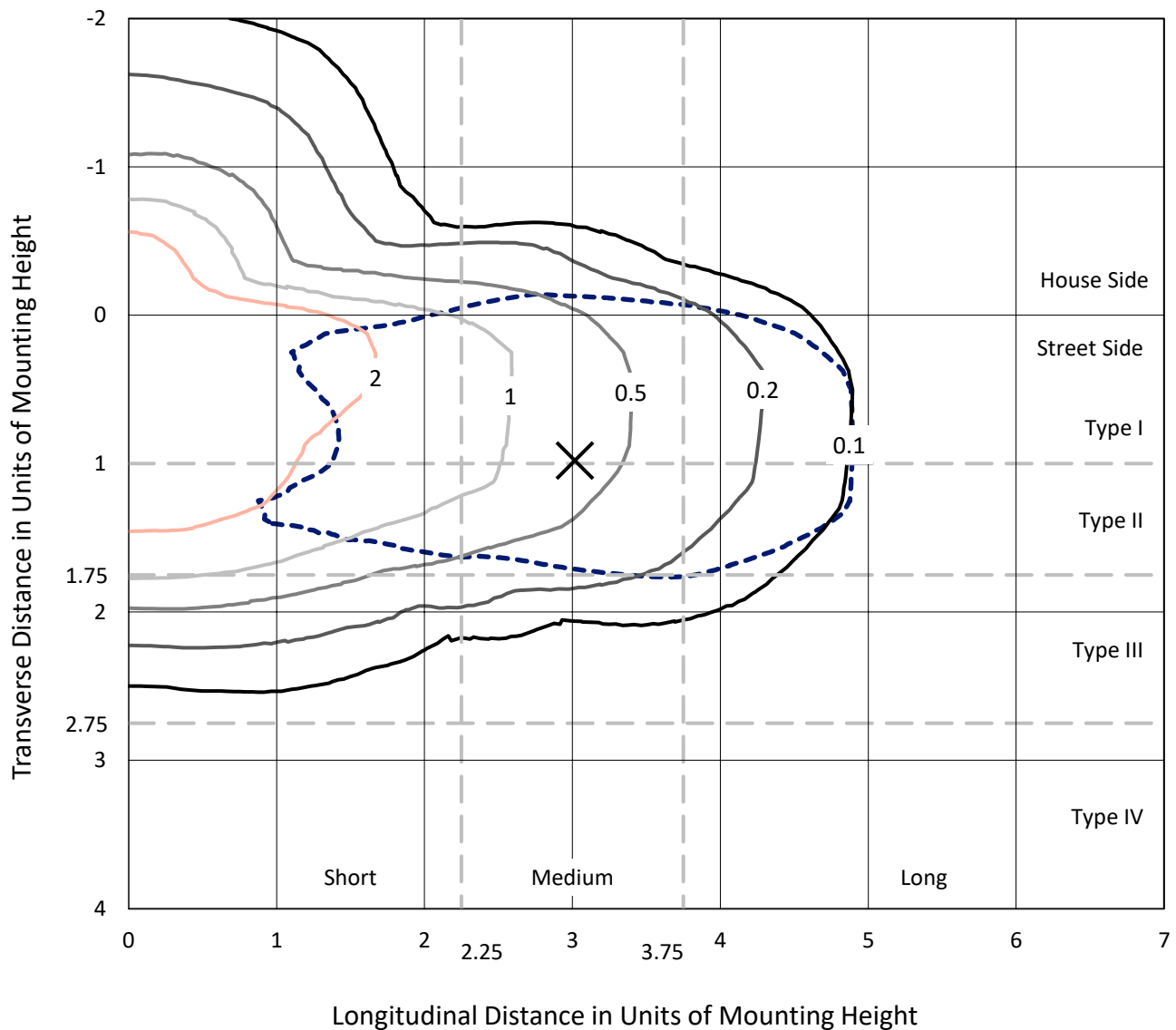
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

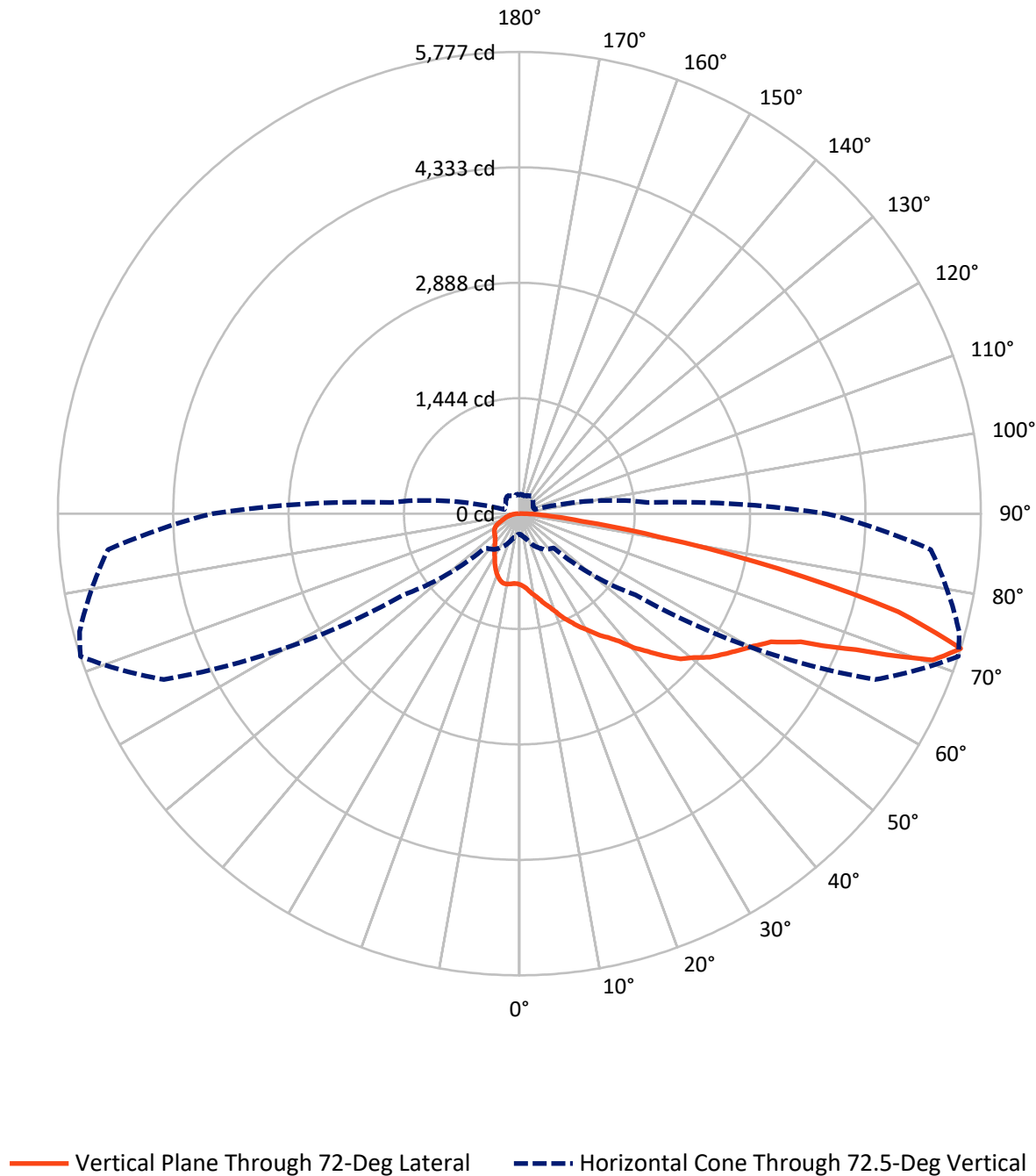


Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1430.0	0.0	1430.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5364.6	0.0	5364.6
	% Fixture	79.0	0.0	79.0
Total	Lumens	6794.6	0.0	6794.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.3
10°-20°	272.7	4.0
20°-30°	471.8	6.9
30°-40°	696.9	10.3
40°-50°	1036.4	15.3
50°-60°	1420.8	20.9
60°-70°	1541.2	22.7
70°-80°	1086.5	16.0
80°-90°	180.5	2.7
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°	6794.6	100.0
0°-180°	6794.6	100.0

Coefficient of Utilization



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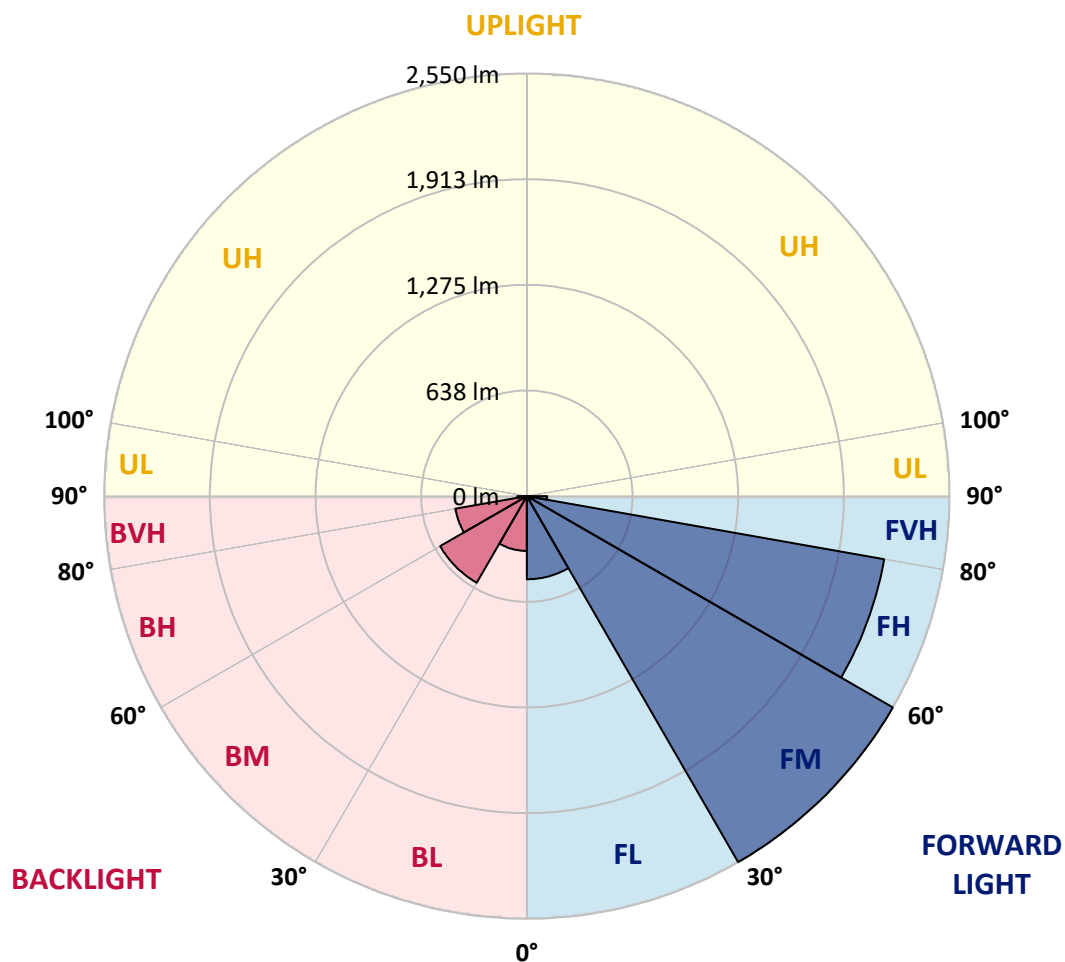
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	501.7	7.4			
FM	(30°-60°)	2550.1	37.5			
FH	(60°-80°)	2189.7	32.2			G2/5000
FVH	(80°-90°)	123.1	1.8			G2/225
BL	(0°-30°)	330.5	4.9	B1/500		
BM	(30°-60°)	604.0	8.9	B1/1000		
BH	(60°-80°)	438.0	6.4	B1/500		G1/500
BVH	(80°-90°)	57.5	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6
2.5°	957.8	957.8	950.2	947.7	947.7	927.7	930.2	917.6	907.6	907.6	897.6
5°	1007.9	1002.9	1002.9	1002.9	990.4	982.8	980.3	957.8	940.2	942.7	912.6
7.5°	1020.4	1023.0	1025.5	1038.0	1030.5	1035.5	1030.5	1005.4	992.9	980.3	952.8
10°	1028.0	1033.0	1033.0	1050.5	1050.5	1063.1	1070.6	1060.6	1038.0	1025.5	980.3
12.5°	1045.5	1038.0	1048.0	1060.6	1073.1	1095.7	1118.2	1108.2	1093.2	1078.1	1028.0
15°	1045.5	1048.0	1055.5	1075.6	1095.7	1118.2	1158.3	1173.4	1165.9	1138.3	1085.6
17.5°	1015.4	1007.9	1043.0	1080.6	1118.2	1145.8	1198.5	1233.6	1228.5	1218.5	1138.3
20°	1017.9	1025.5	1038.0	1070.6	1130.8	1180.9	1246.1	1303.8	1316.3	1311.3	1208.5
22.5°	1063.1	1065.6	1078.1	1093.2	1140.8	1206.0	1303.8	1396.5	1419.1	1406.6	1286.2
25°	1108.2	1128.3	1128.3	1138.3	1155.8	1223.5	1341.4	1471.7	1504.3	1506.9	1366.4
27.5°	1180.9	1185.9	1201.0	1206.0	1221.0	1261.1	1384.0	1526.9	1602.1	1592.1	1439.2
30°	1266.2	1268.7	1278.7	1273.7	1276.2	1326.3	1424.1	1589.6	1692.4	1694.9	1516.9
32.5°	1366.4	1386.5	1391.5	1358.9	1363.9	1376.5	1486.8	1664.8	1805.2	1787.7	1584.6
35°	1514.4	1521.9	1506.9	1491.8	1454.2	1446.7	1552.0	1740.0	1903.0	1923.1	1684.9
37.5°	1697.4	1717.5	1697.4	1617.2	1577.1	1547.0	1632.2	1822.8	2020.8	2088.5	1785.2
40°	1867.9	1865.4	1845.3	1772.6	1702.4	1679.9	1747.5	1938.1	2203.9	2269.1	1930.6
42.5°	2005.8	1998.3	1985.7	1930.6	1865.4	1827.8	1880.4	2058.4	2356.8	2482.2	2098.6
45°	2126.1	2116.1	2118.6	2055.9	1993.3	2013.3	2013.3	2196.3	2537.3	2692.8	2291.6
47.5°	2239.0	2244.0	2236.5	2188.8	2141.2	2193.8	2166.3	2354.3	2715.3	2888.3	2454.6
50°	2369.3	2379.4	2354.3	2324.2	2281.6	2334.2	2299.1	2502.2	2830.7	3066.4	2650.2
52.5°	2492.2	2502.2	2524.8	2487.2	2444.6	2487.2	2407.0	2640.1	2983.6	3239.4	2800.6
55°	2522.3	2517.3	2642.6	2682.7	2705.3	2577.4	2502.2	2758.0	3104.0	3349.7	2971.1
57.5°	2384.4	2396.9	2567.4	2682.7	2923.4	2813.1	2610.0	2895.9	3229.3	3495.1	3129.0
60°	2040.9	2048.4	2261.5	2534.8	2885.8	3033.8	2900.9	3073.9	3367.2	3617.9	3307.0
62.5°	1363.9	1421.6	1687.4	2116.1	2620.1	3093.9	3364.7	3374.7	3535.2	3773.4	3550.3
65°	719.6	747.2	955.3	1301.3	1985.7	2885.8	3801.0	3971.5	3871.2	4059.2	3901.3
67.5°	471.4	481.4	594.2	789.8	1145.8	2106.1	3851.1	5007.0	4545.6	4603.3	4462.9
70°	351.0	356.0	438.8	584.2	709.5	1125.8	3156.6	5490.9	5488.3	5335.4	5129.8
72.5°	258.2	265.8	323.4	446.3	546.6	606.8	1775.1	4911.7	5776.7	5699.0	5169.9
75°	203.1	208.1	238.2	346.0	441.3	398.7	900.1	3638.0	4899.1	5272.7	4731.2
77.5°	165.5	170.5	188.0	250.7	353.5	308.4	431.2	2346.8	3322.1	3796.0	3620.5
80°	137.9	137.9	150.4	178.0	273.3	233.2	255.7	1318.8	1790.2	1975.7	1642.2
82.5°	117.8	115.3	125.4	130.4	203.1	168.0	165.5	596.7	787.3	834.9	616.8
85°	75.2	77.7	117.8	112.8	132.9	115.3	92.8	283.3	371.1	378.6	230.7
87.5°	30.1	30.1	50.1	62.7	75.2	70.2	45.1	127.9	163.0	163.0	65.2
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°	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6	887.6
2.5°	895.1	885.1	877.5	872.5	860.0	847.4	850.0	847.4	837.4	832.4	832.4
5°	905.1	895.1	882.5	862.5	850.0	834.9	839.9	829.9	819.9	827.4	814.9
7.5°	930.2	912.6	895.1	865.0	844.9	822.4	812.3	807.3	799.8	794.8	794.8
10°	965.3	940.2	907.6	862.5	829.9	794.8	789.8	779.8	772.2	772.2	769.7
12.5°	1000.4	972.8	917.6	844.9	789.8	764.7	762.2	764.7	769.7	772.2	774.7
15°	1045.5	1000.4	915.1	812.3	757.2	747.2	759.7	769.7	779.8	789.8	787.3
17.5°	1088.1	1035.5	892.6	772.2	729.6	732.1	754.7	774.7	794.8	804.8	807.3
20°	1145.8	1068.1	860.0	724.6	702.0	724.6	754.7	779.8	802.3	814.9	817.4
22.5°	1211.0	1105.7	817.4	682.0	679.5	702.0	732.1	769.7	794.8	817.4	814.9
25°	1268.7	1130.8	762.2	646.9	651.9	666.9	702.0	742.1	767.2	792.3	784.8
27.5°	1306.3	1135.8	704.5	621.8	621.8	636.8	669.4	694.5	717.1	737.1	739.6
30°	1348.9	1125.8	639.3	589.2	589.2	609.3	621.8	636.8	649.4	654.4	659.4
32.5°	1399.0	1103.2	599.2	564.1	564.1	579.2	586.7	581.7	579.2	566.6	574.2
35°	1446.7	1070.6	554.1	531.5	541.6	549.1	546.6	531.5	516.5	493.9	486.4
37.5°	1504.3	1038.0	514.0	496.4	514.0	516.5	516.5	498.9	478.9	451.3	451.3
40°	1592.1	1012.9	481.4	473.9	491.4	488.9	476.4	463.8	471.4	456.3	456.3
42.5°	1684.9	1002.9	451.3	453.8	461.3	463.8	451.3	436.3	466.3	448.8	451.3
45°	1800.2	1010.4	431.2	428.7	446.3	443.8	436.3	423.7	433.8	388.6	376.1
47.5°	1908.0	1025.5	421.2	411.2	431.2	436.3	426.2	398.7	383.6	356.0	351.0
50°	2005.8	1058.1	411.2	391.1	411.2	421.2	403.7	373.6	356.0	338.5	338.5
52.5°	2098.6	1105.7	406.2	368.6	386.1	398.7	388.6	358.5	338.5	331.0	323.4
55°	2193.8	1148.3	398.7	353.5	358.5	383.6	381.1	341.0	320.9	320.9	318.4
57.5°	2329.2	1206.0	388.6	328.4	338.5	366.1	366.1	333.5	310.9	313.4	315.9
60°	2467.1	1273.7	378.6	303.4	310.9	348.5	353.5	323.4	303.4	305.9	303.4
62.5°	2687.8	1399.0	358.5	273.3	288.3	325.9	338.5	310.9	293.3	298.4	298.4
65°	3021.2	1614.7	315.9	248.2	265.8	305.9	323.4	298.4	278.3	293.3	288.3
67.5°	3557.8	1910.5	265.8	228.2	250.7	285.8	305.9	283.3	265.8	288.3	280.8
70°	4039.2	2055.9	228.2	210.6	228.2	263.3	285.8	268.3	250.7	273.3	263.3
72.5°	3843.6	1612.2	198.1	190.6	208.1	238.2	265.8	248.2	230.7	243.2	233.2
75°	3317.1	1283.7	173.0	170.5	185.5	215.6	243.2	230.7	213.1	218.1	213.1
77.5°	2514.8	1060.6	147.9	145.4	158.0	193.1	218.1	208.1	190.6	188.0	188.0
80°	1123.2	521.5	122.9	122.9	130.4	165.5	185.5	180.5	163.0	160.5	158.0
82.5°	368.6	198.1	100.3	95.3	105.3	137.9	165.5	160.5	142.9	137.9	132.9
85°	147.9	95.3	72.7	72.7	82.7	115.3	147.9	137.9	115.3	102.8	102.8
87.5°	50.1	40.1	37.6	37.6	52.7	77.7	110.3	92.8	82.7	72.7	75.2
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)