

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: P671176

Luminaire Tested: **CCP-SA-2C-840-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671176
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7776.8 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

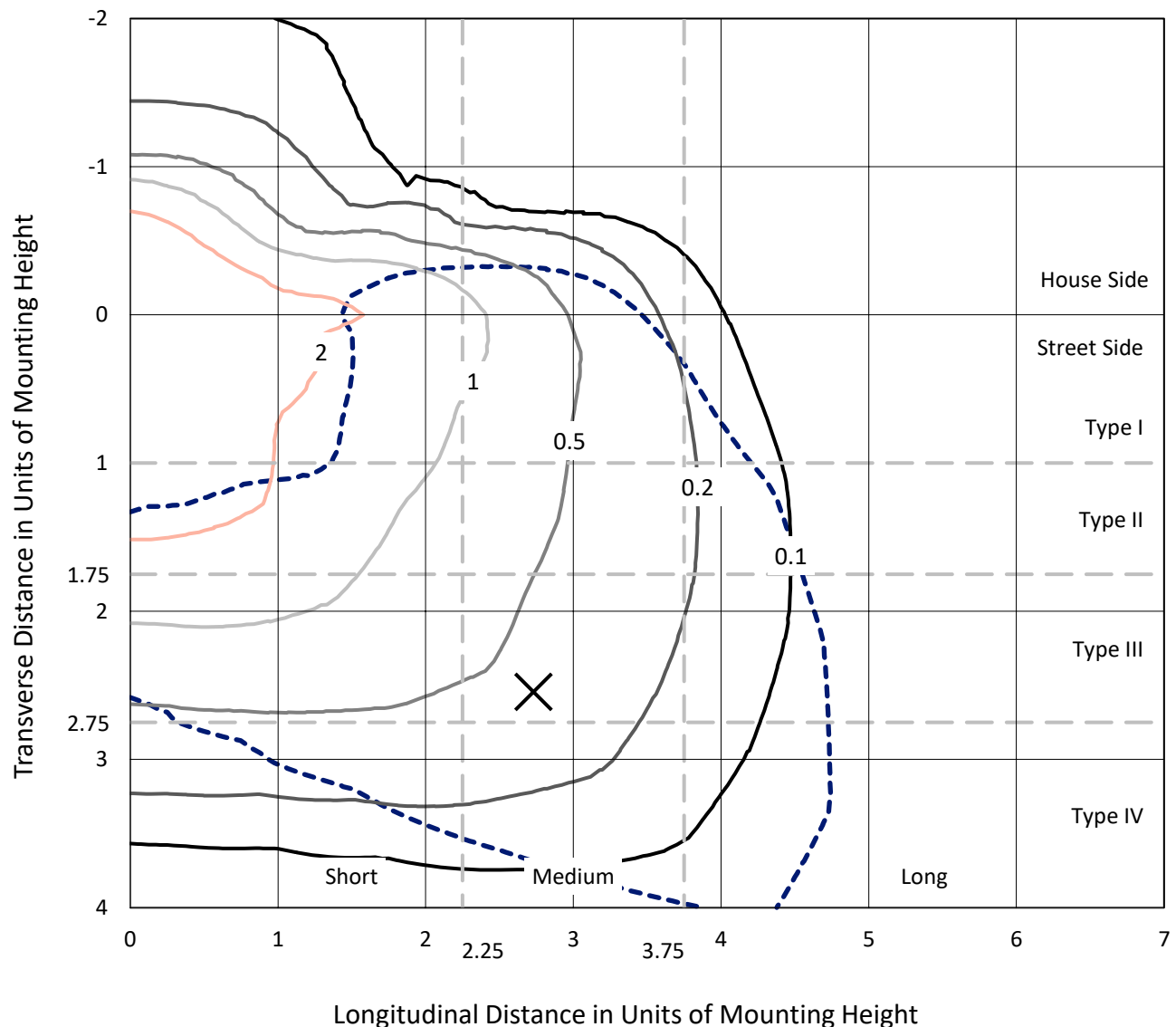
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671176

CATALOG NUMBER: CCP-SA-2C-840-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

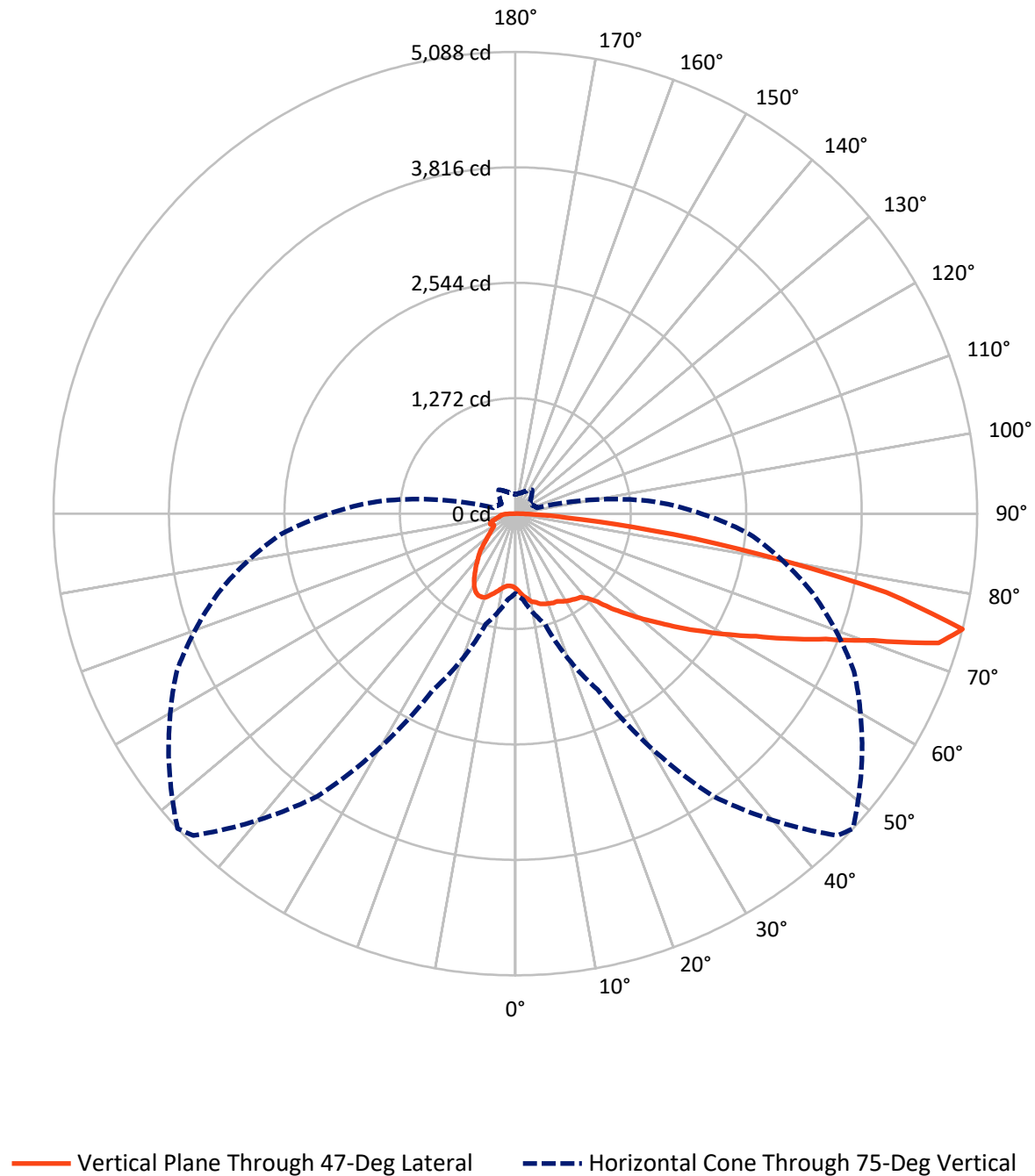
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P671176
CATALOG NUMBER: CCP-SA-2C-840-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P671176

CATALOG NUMBER: CCP-SA-2C-840-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.8	0.0	1859.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5917.0	0.0	5917.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	7776.8	0.0	7776.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.1
10°-20°	277.2	3.6
20°-30°	474.8	6.1
30°-40°	664.4	8.5
40°-50°	926.3	11.9
50°-60°	1384.6	17.8
60°-70°	1996.2	25.7
70°-80°	1699.2	21.8
80°-90°	270.7	3.5
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°	7776.8	100.0
0°-180°	7776.8	100.0

Coefficient of Utilization



REPORT NUMBER: P671176

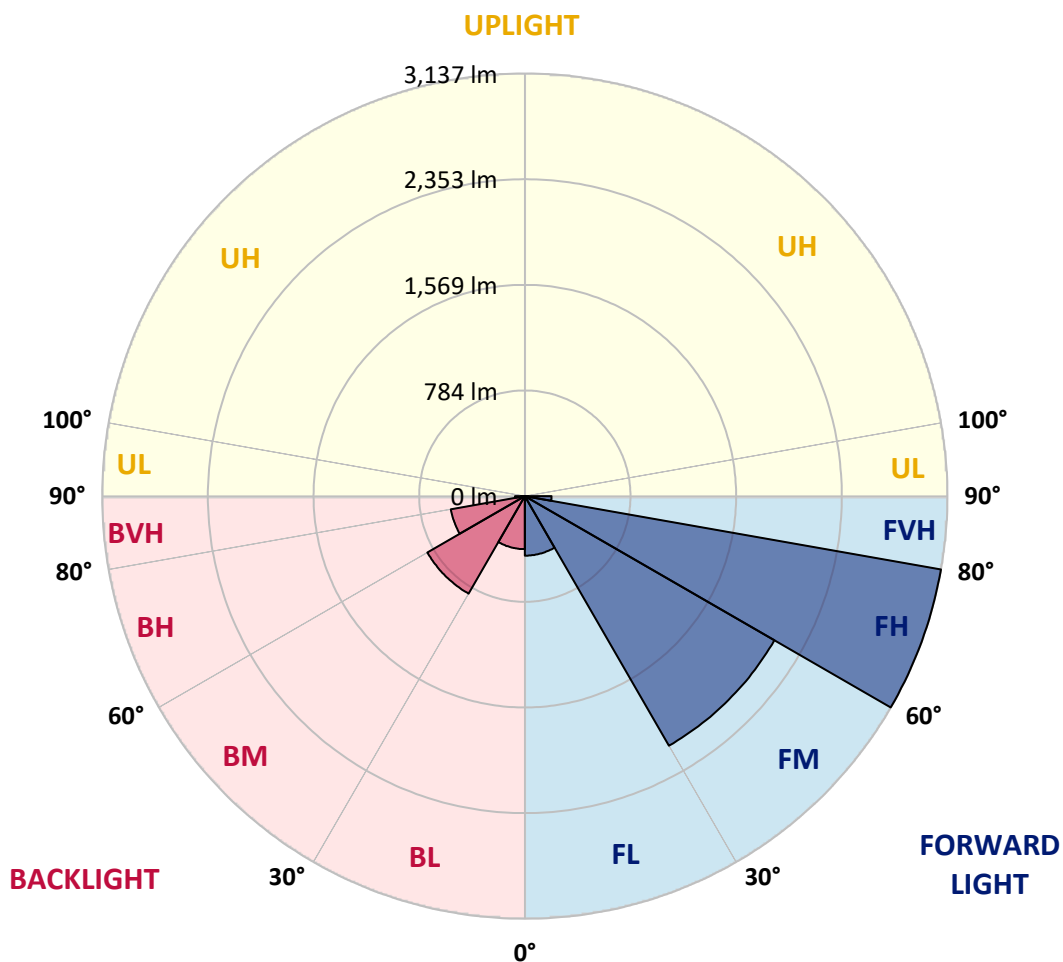
CATALOG NUMBER: CCP-SA-2C-840-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.9	5.7			
FM	(30°-60°)	2139.4	27.5			
FH	(60°-80°)	3137.5	40.3			G2/5000
FVH	(80°-90°)	198.3	2.6			G2/225
BL	(0°-30°)	393.6	5.1	B1/500		
BM	(30°-60°)	835.9	10.7	B1/1000		
BH	(60°-80°)	557.9	7.2	B2/1000		G2/1000
BVH	(80°-90°)	72.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P671176

CATALOG NUMBER: CCP-SA-2C-840-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	885.3	888.2	888.2	882.5	876.8	865.5	865.5	854.1	848.4	834.2	828.6
5°	967.6	959.1	950.6	947.7	933.6	913.7	910.9	899.5	868.3	854.1	834.2
7.5°	1027.2	1024.4	1021.5	1010.2	984.6	953.4	944.9	927.9	896.7	868.3	845.6
10°	1075.4	1086.8	1075.4	1049.9	1024.4	990.3	987.5	956.3	927.9	893.8	865.5
12.5°	1129.4	1132.2	1112.3	1081.1	1041.4	1013.0	1001.7	990.3	959.1	930.7	888.2
15°	1166.2	1160.6	1146.4	1103.8	1058.4	1030.0	1032.9	1018.7	984.6	964.8	919.4
17.5°	1166.2	1166.2	1143.5	1112.3	1072.6	1047.1	1047.1	1038.6	1015.9	987.5	956.3
20°	1143.5	1143.5	1129.4	1112.3	1066.9	1061.3	1055.6	1049.9	1049.9	1024.4	979.0
22.5°	1115.2	1109.5	1115.2	1086.8	1055.6	1061.3	1069.8	1066.9	1058.4	1035.7	1004.5
25°	1086.8	1089.6	1095.3	1075.4	1047.1	1072.6	1069.8	1084.0	1078.3	1061.3	1035.7
27.5°	1084.0	1089.6	1092.5	1072.6	1061.3	1084.0	1095.3	1109.5	1112.3	1095.3	1064.1
30°	1126.5	1123.7	1120.8	1095.3	1086.8	1106.7	1118.0	1137.9	1154.9	1118.0	1092.5
32.5°	1237.2	1220.2	1203.1	1135.0	1109.5	1123.7	1135.0	1163.4	1166.2	1146.4	1109.5
35°	1413.1	1401.8	1345.0	1225.8	1154.9	1140.7	1152.1	1171.9	1177.6	1163.4	1135.0
37.5°	1614.6	1608.9	1529.5	1384.7	1248.5	1180.4	1169.1	1197.5	1220.2	1188.9	1149.2
40°	1813.2	1790.5	1733.8	1591.9	1367.7	1240.0	1225.8	1240.0	1248.5	1225.8	1200.3
42.5°	1992.0	1966.4	1952.3	1810.4	1523.8	1339.3	1328.0	1293.9	1319.5	1291.1	1257.0
45°	2142.4	2136.7	2131.0	2009.0	1702.5	1501.1	1492.6	1404.6	1433.0	1410.3	1362.0
47.5°	2250.2	2275.7	2267.2	2199.1	1906.9	1674.2	1648.6	1535.1	1577.7	1555.0	1506.8
50°	2377.9	2392.1	2383.6	2338.2	2097.0	1872.8	1824.6	1708.2	1756.5	1753.6	1728.1
52.5°	2491.4	2534.0	2485.7	2482.9	2369.4	2088.5	2006.2	1895.5	1975.0	2006.2	2003.3
55°	2624.8	2658.8	2644.6	2638.9	2613.4	2298.4	2224.7	2091.3	2224.7	2270.1	2309.8
57.5°	2738.3	2735.4	2789.3	2854.6	2885.8	2539.6	2451.7	2295.6	2497.1	2548.1	2658.8
60°	2789.3	2837.6	2928.4	3093.0	3180.9	2797.8	2707.0	2582.2	2772.3	2812.0	3016.3
62.5°	2823.4	2866.0	3041.9	3320.0	3371.0	3061.7	2976.6	2851.8	3073.1	3101.5	3405.1
65°	2729.7	2769.5	3118.5	3405.1	3586.7	3345.5	3325.6	3195.1	3373.9	3390.9	3813.7
67.5°	2621.9	2664.5	3053.2	3512.9	3873.3	3722.9	3691.7	3535.6	3671.8	3652.0	4125.8
70°	2431.8	2488.6	2885.8	3606.6	4191.1	4250.7	4188.3	3966.9	3981.1	3793.8	4140.0
72.5°	1852.9	1889.8	2258.7	3234.8	4338.7	4982.8	4875.0	4432.3	4270.5	3822.2	3654.8
75°	879.6	947.7	1259.9	2139.5	3802.3	5016.8	5087.8	4662.1	4117.3	3390.9	2590.7
77.5°	255.4	255.4	383.1	908.0	2383.6	4043.5	4176.9	3958.4	3396.6	2511.3	1362.0
80°	139.0	147.6	201.5	320.6	1047.1	2551.0	2743.9	2624.8	2000.5	993.2	351.9
82.5°	79.5	82.3	133.4	193.0	476.7	1387.6	1501.1	1362.0	760.5	300.8	164.6
85°	45.4	48.2	76.6	127.7	283.8	510.8	556.2	482.4	306.5	201.5	82.3
87.5°	22.7	22.7	36.9	59.6	144.7	144.7	141.9	173.1	184.4	122.0	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671176

CATALOG NUMBER: CCP-SA-2C-840-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	825.7	822.9	822.9	811.5	808.7	800.2	800.2	794.5	791.7	800.2	800.2
5°	828.6	814.4	811.5	800.2	803.0	797.4	808.7	803.0	800.2	800.2	797.4
7.5°	834.2	820.1	808.7	800.2	797.4	805.9	820.1	820.1	837.1	828.6	828.6
10°	848.4	839.9	825.7	820.1	820.1	828.6	845.6	856.9	871.1	871.1	862.6
12.5°	882.5	868.3	851.3	842.8	854.1	862.6	879.6	891.0	908.0	913.7	908.0
15°	908.0	893.8	888.2	882.5	891.0	902.3	916.5	927.9	947.7	953.4	950.6
17.5°	942.1	925.0	922.2	925.0	930.7	939.2	947.7	956.3	970.5	970.5	970.5
20°	959.1	953.4	950.6	959.1	970.5	981.8	976.1	970.5	967.6	973.3	970.5
22.5°	990.3	984.6	987.5	996.0	996.0	990.3	981.8	961.9	956.3	961.9	956.3
25°	1018.7	1013.0	1013.0	1007.3	1004.5	984.6	967.6	950.6	930.7	939.2	936.4
27.5°	1047.1	1044.2	1044.2	1021.5	993.2	959.1	936.4	916.5	905.2	919.4	910.9
30°	1081.1	1084.0	1069.8	1015.9	947.7	910.9	885.3	882.5	879.6	888.2	885.3
32.5°	1112.3	1115.2	1092.5	1007.3	913.7	842.8	817.2	820.1	834.2	848.4	862.6
35°	1129.4	1143.5	1115.2	979.0	845.6	766.1	737.8	763.3	788.8	808.7	822.9
37.5°	1160.6	1197.5	1149.2	947.7	786.0	698.0	678.2	686.7	717.9	749.1	763.3
40°	1206.0	1248.5	1157.7	888.2	706.6	629.9	618.6	621.4	632.8	652.6	666.8
42.5°	1285.4	1330.8	1166.2	811.5	627.1	587.4	556.2	547.7	539.1	539.1	536.3
45°	1401.8	1444.3	1154.9	715.1	547.7	519.3	496.6	476.7	454.0	417.1	422.8
47.5°	1572.0	1606.1	1163.4	629.9	473.9	451.2	434.1	411.4	377.4	337.7	334.8
50°	1830.2	1779.2	1152.1	542.0	420.0	400.1	385.9	354.7	315.0	286.6	283.8
52.5°	2131.0	2028.9	1140.7	468.2	374.6	357.5	346.2	312.1	275.2	261.1	258.2
55°	2494.2	2346.7	1157.7	402.9	340.5	326.3	315.0	283.8	255.4	244.0	241.2
57.5°	2922.7	2690.0	1251.4	351.9	303.6	297.9	295.1	269.6	244.0	235.5	232.7
60°	3325.6	3019.2	1313.8	315.0	269.6	275.2	280.9	269.6	241.2	235.5	235.5
62.5°	3663.3	3291.6	1214.5	283.8	252.5	269.6	295.1	286.6	275.2	280.9	275.2
65°	3961.3	3385.2	908.0	266.7	244.0	283.8	326.3	323.5	297.9	303.6	300.8
67.5°	4012.3	3271.7	593.1	252.5	238.4	312.1	366.0	332.0	280.9	280.9	272.4
70°	3799.5	2968.1	397.3	238.4	235.5	312.1	374.6	312.1	263.9	263.9	252.5
72.5°	3118.5	2372.2	306.5	224.2	215.7	278.1	354.7	295.1	246.9	241.2	221.3
75°	2048.7	1529.5	249.7	212.8	187.3	244.0	320.6	272.4	235.5	218.5	210.0
77.5°	1004.5	686.7	210.0	187.3	161.7	212.8	292.3	258.2	221.3	204.3	198.6
80°	275.2	246.9	175.9	164.6	136.2	184.4	275.2	246.9	207.1	190.1	181.6
82.5°	156.1	153.2	141.9	133.4	113.5	184.4	278.1	246.9	195.8	193.0	164.6
85°	85.1	90.8	102.2	99.3	88.0	164.6	263.9	215.7	158.9	133.4	133.4
87.5°	34.1	42.6	51.1	56.8	59.6	122.0	198.6	164.6	122.0	102.2	102.2
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)