

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: P671066

Luminaire Tested: **CCP-SA-2C-722-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671066
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-722-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718.8 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

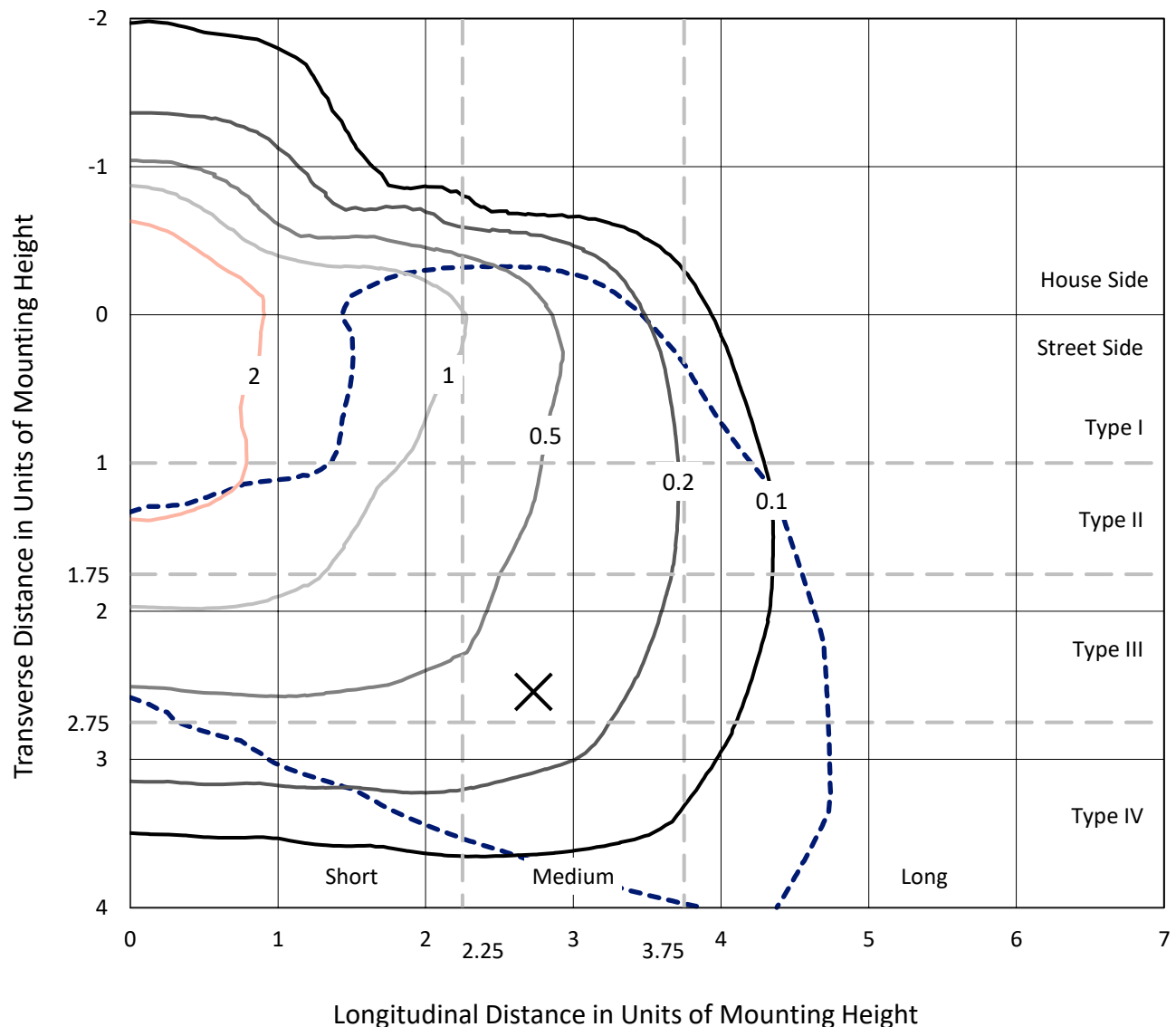
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

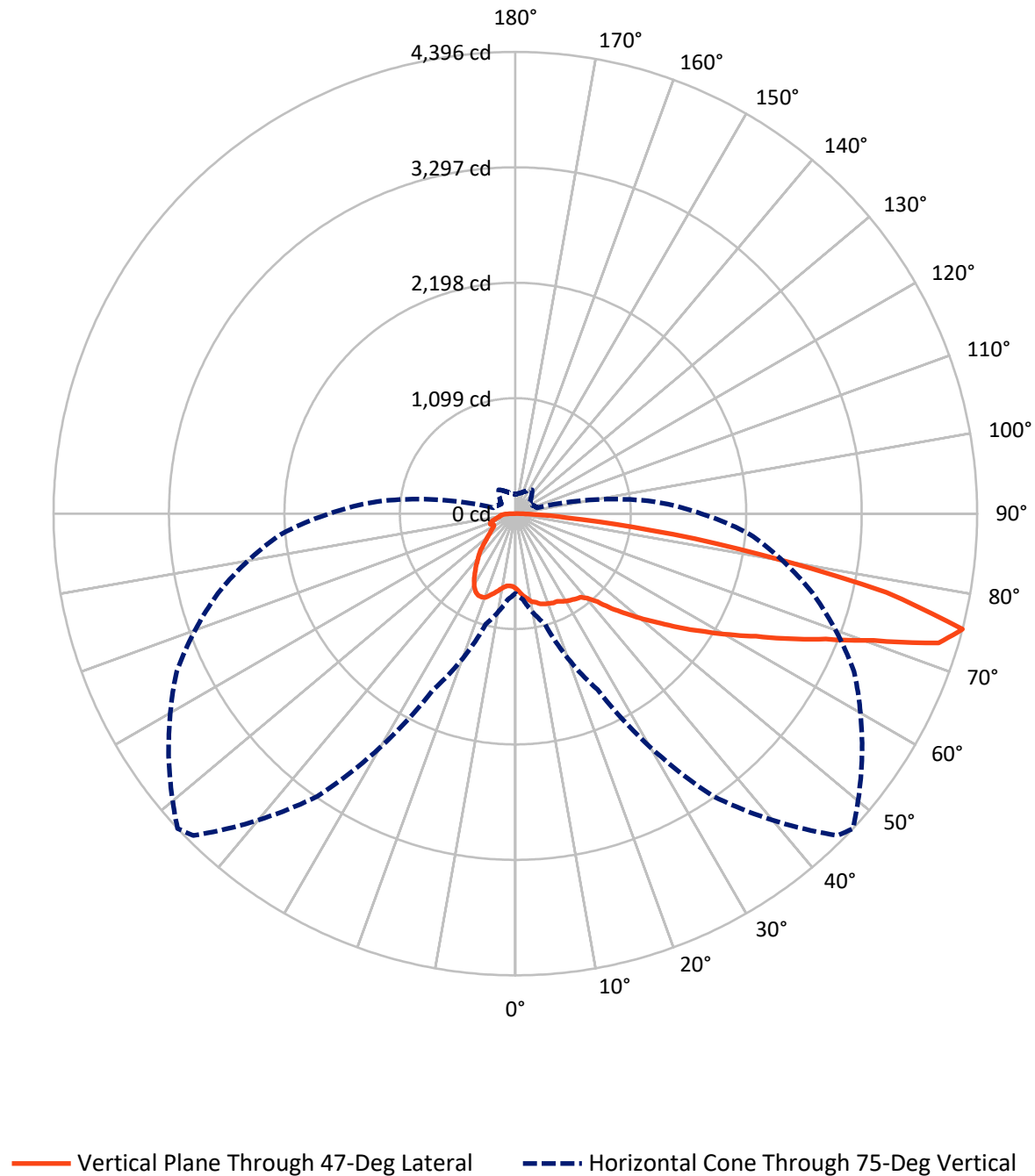
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1606.8	0.0	1606.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5112.0	0.0	5112.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	6718.8	0.0	6718.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	1.1
10°-20°	239.5	3.6
20°-30°	410.2	6.1
30°-40°	574.0	8.5
40°-50°	800.3	11.9
50°-60°	1196.2	17.8
60°-70°	1724.6	25.7
70°-80°	1468.0	21.8
80°-90°	233.9	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°	6718.8	100.0
0°-180°	6718.8	100.0

Coefficient of Utilization



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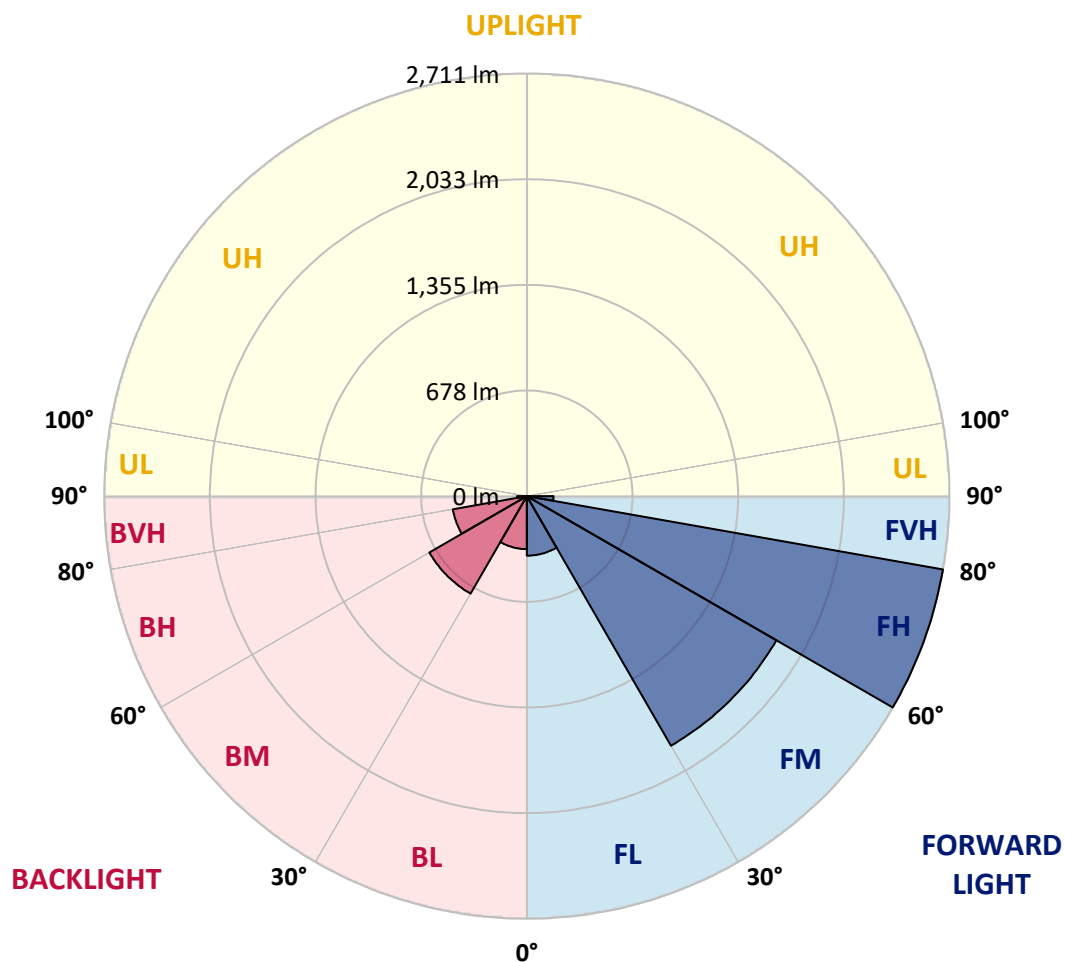
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	381.7	5.7			
FM	(30°-60°)	1848.3	27.5			
FH	(60°-80°)	2710.6	40.3			G2/5000
FVH	(80°-90°)	171.3	2.6			G2/225
BL	(0°-30°)	340.1	5.1	B1/500		
BM	(30°-60°)	722.1	10.7	B1/1000		
BH	(60°-80°)	482.0	7.2	B1/500		G1/500
BVH	(80°-90°)	62.5	0.9			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	764.9	767.3	767.3	762.4	757.5	747.7	747.7	737.9	733.0	720.7	715.8
5°	836.0	828.6	821.3	818.8	806.5	789.4	786.9	777.1	750.2	737.9	720.7
7.5°	887.4	885.0	882.5	872.7	850.7	823.7	816.4	801.6	774.7	750.2	730.5
10°	929.1	938.9	929.1	907.1	885.0	855.6	853.1	826.2	801.6	772.2	747.7
12.5°	975.7	978.2	961.0	934.0	899.7	875.2	865.4	855.6	828.6	804.1	767.3
15°	1007.6	1002.7	990.4	953.6	914.4	889.9	892.3	880.1	850.7	833.5	794.3
17.5°	1007.6	1007.6	988.0	961.0	926.7	904.6	904.6	897.3	877.6	853.1	826.2
20°	988.0	988.0	975.7	961.0	921.8	916.9	912.0	907.1	907.1	885.0	845.8
22.5°	963.4	958.5	963.4	938.9	912.0	916.9	924.2	921.8	914.4	894.8	867.8
25°	938.9	941.4	946.3	929.1	904.6	926.7	924.2	936.5	931.6	916.9	894.8
27.5°	936.5	941.4	943.8	926.7	916.9	936.5	946.3	958.5	961.0	946.3	919.3
30°	973.2	970.8	968.3	946.3	938.9	956.1	965.9	983.1	997.8	965.9	943.8
32.5°	1068.9	1054.1	1039.4	980.6	958.5	970.8	980.6	1005.1	1007.6	990.4	958.5
35°	1220.9	1211.0	1162.0	1059.1	997.8	985.5	995.3	1012.5	1017.4	1005.1	980.6
37.5°	1394.9	1390.0	1321.4	1196.3	1078.7	1019.8	1010.0	1034.5	1054.1	1027.2	992.9
40°	1566.5	1546.9	1497.9	1375.3	1181.6	1071.3	1059.1	1071.3	1078.7	1059.1	1037.0
42.5°	1721.0	1698.9	1686.6	1564.1	1316.5	1157.1	1147.3	1117.9	1140.0	1115.4	1086.0
45°	1850.9	1846.0	1841.1	1735.7	1470.9	1296.8	1289.5	1213.5	1238.0	1218.4	1176.7
47.5°	1944.0	1966.1	1958.8	1899.9	1647.4	1446.4	1424.3	1326.3	1363.0	1343.4	1301.8
50°	2054.4	2066.6	2059.3	2020.0	1811.7	1618.0	1576.3	1475.8	1517.5	1515.0	1493.0
52.5°	2152.4	2189.2	2147.5	2145.1	2047.0	1804.3	1733.2	1637.6	1706.3	1733.2	1730.8
55°	2267.6	2297.1	2284.8	2279.9	2257.8	1985.7	1922.0	1806.8	1922.0	1961.2	1995.5
57.5°	2365.7	2363.3	2409.8	2466.2	2493.2	2194.1	2118.1	1983.3	2157.3	2201.5	2297.1
60°	2409.8	2451.5	2530.0	2672.1	2748.1	2417.2	2338.7	2230.9	2395.1	2429.4	2606.0
62.5°	2439.3	2476.0	2628.0	2868.3	2912.4	2645.2	2571.6	2463.8	2655.0	2679.5	2941.8
65°	2358.4	2392.7	2694.2	2941.8	3098.7	2890.3	2873.2	2760.4	2914.8	2929.6	3294.8
67.5°	2265.2	2302.0	2637.8	3035.0	3346.3	3216.4	3189.4	3054.6	3172.3	3155.1	3564.5
70°	2100.9	2150.0	2493.2	3115.9	3620.9	3672.4	3618.4	3427.2	3439.5	3277.7	3576.8
72.5°	1600.8	1632.7	1951.4	2794.7	3748.4	4304.9	4211.7	3829.3	3689.5	3302.2	3157.5
75°	760.0	818.8	1088.5	1848.4	3285.0	4334.3	4395.6	4027.8	3557.1	2929.6	2238.2
77.5°	220.6	220.6	331.0	784.5	2059.3	3493.4	3608.6	3419.9	2934.5	2169.6	1176.7
80°	120.1	127.5	174.1	277.0	904.6	2203.9	2370.6	2267.6	1728.3	858.0	304.0
82.5°	68.6	71.1	115.2	166.7	411.9	1198.8	1296.8	1176.7	657.0	259.9	142.2
85°	39.2	41.7	66.2	110.3	245.2	441.3	480.5	416.8	264.8	174.1	71.1
87.5°	19.6	19.6	31.9	51.5	125.0	125.0	122.6	149.5	159.3	105.4	31.9
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°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	713.4	710.9	710.9	701.1	698.7	691.3	691.3	686.4	684.0	691.3	691.3
5°	715.8	703.6	701.1	691.3	693.8	688.9	698.7	693.8	691.3	691.3	688.9
7.5°	720.7	708.5	698.7	691.3	688.9	696.2	708.5	708.5	723.2	715.8	715.8
10°	733.0	725.6	713.4	708.5	708.5	715.8	730.5	740.4	752.6	752.6	745.3
12.5°	762.4	750.2	735.5	728.1	737.9	745.3	760.0	769.8	784.5	789.4	784.5
15°	784.5	772.2	767.3	762.4	769.8	779.6	791.8	801.6	818.8	823.7	821.3
17.5°	813.9	799.2	796.7	799.2	804.1	811.4	818.8	826.2	838.4	838.4	838.4
20°	828.6	823.7	821.3	828.6	838.4	848.2	843.3	838.4	836.0	840.9	838.4
22.5°	855.6	850.7	853.1	860.5	860.5	855.6	848.2	831.1	826.2	831.1	826.2
25°	880.1	875.2	875.2	870.3	867.8	850.7	836.0	821.3	804.1	811.4	809.0
27.5°	904.6	902.2	902.2	882.5	858.0	828.6	809.0	791.8	782.0	794.3	786.9
30°	934.0	936.5	924.2	877.6	818.8	786.9	764.9	762.4	760.0	767.3	764.9
32.5°	961.0	963.4	943.8	870.3	789.4	728.1	706.0	708.5	720.7	733.0	745.3
35°	975.7	988.0	963.4	845.8	730.5	661.9	637.4	659.5	681.5	698.7	710.9
37.5°	1002.7	1034.5	992.9	818.8	679.1	603.1	585.9	593.3	620.2	647.2	659.5
40°	1041.9	1078.7	1000.2	767.3	610.4	544.2	534.4	536.9	546.7	563.8	576.1
42.5°	1110.5	1149.8	1007.6	701.1	541.8	507.5	480.5	473.1	465.8	465.8	463.3
45°	1211.0	1247.8	997.8	617.8	473.1	448.6	429.0	411.9	392.2	360.4	365.3
47.5°	1358.1	1387.6	1005.1	544.2	409.4	389.8	375.1	355.5	326.1	291.7	289.3
50°	1581.2	1537.1	995.3	468.2	362.8	345.7	333.4	306.4	272.1	247.6	245.2
52.5°	1841.1	1752.8	985.5	404.5	323.6	308.9	299.1	269.7	237.8	225.5	223.1
55°	2154.9	2027.4	1000.2	348.1	294.2	281.9	272.1	245.2	220.6	210.8	208.4
57.5°	2525.1	2324.0	1081.1	304.0	262.3	257.4	255.0	232.9	210.8	203.5	201.0
60°	2873.2	2608.4	1135.0	272.1	232.9	237.8	242.7	232.9	208.4	203.5	203.5
62.5°	3164.9	2843.8	1049.2	245.2	218.2	232.9	255.0	247.6	237.8	242.7	237.8
65°	3422.3	2924.7	784.5	230.4	210.8	245.2	281.9	279.5	257.4	262.3	259.9
67.5°	3466.4	2826.6	512.4	218.2	205.9	269.7	316.2	286.8	242.7	242.7	235.3
70°	3282.6	2564.3	343.2	205.9	203.5	269.7	323.6	269.7	228.0	228.0	218.2
72.5°	2694.2	2049.5	264.8	193.7	186.3	240.2	306.4	255.0	213.3	208.4	191.2
75°	1770.0	1321.4	215.7	183.9	161.8	210.8	277.0	235.3	203.5	188.8	181.4
77.5°	867.8	593.3	181.4	161.8	139.7	183.9	252.5	223.1	191.2	176.5	171.6
80°	237.8	213.3	152.0	142.2	117.7	159.3	237.8	213.3	179.0	164.3	156.9
82.5°	134.8	132.4	122.6	115.2	98.1	159.3	240.2	213.3	169.2	166.7	142.2
85°	73.5	78.4	88.3	85.8	76.0	142.2	228.0	186.3	137.3	115.2	115.2
87.5°	29.4	36.8	44.1	49.0	51.5	105.4	171.6	142.2	105.4	88.3	88.3
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)