

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: P671206

Luminaire Tested: **CCP-SA-1E-722-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671206
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-722-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4984.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

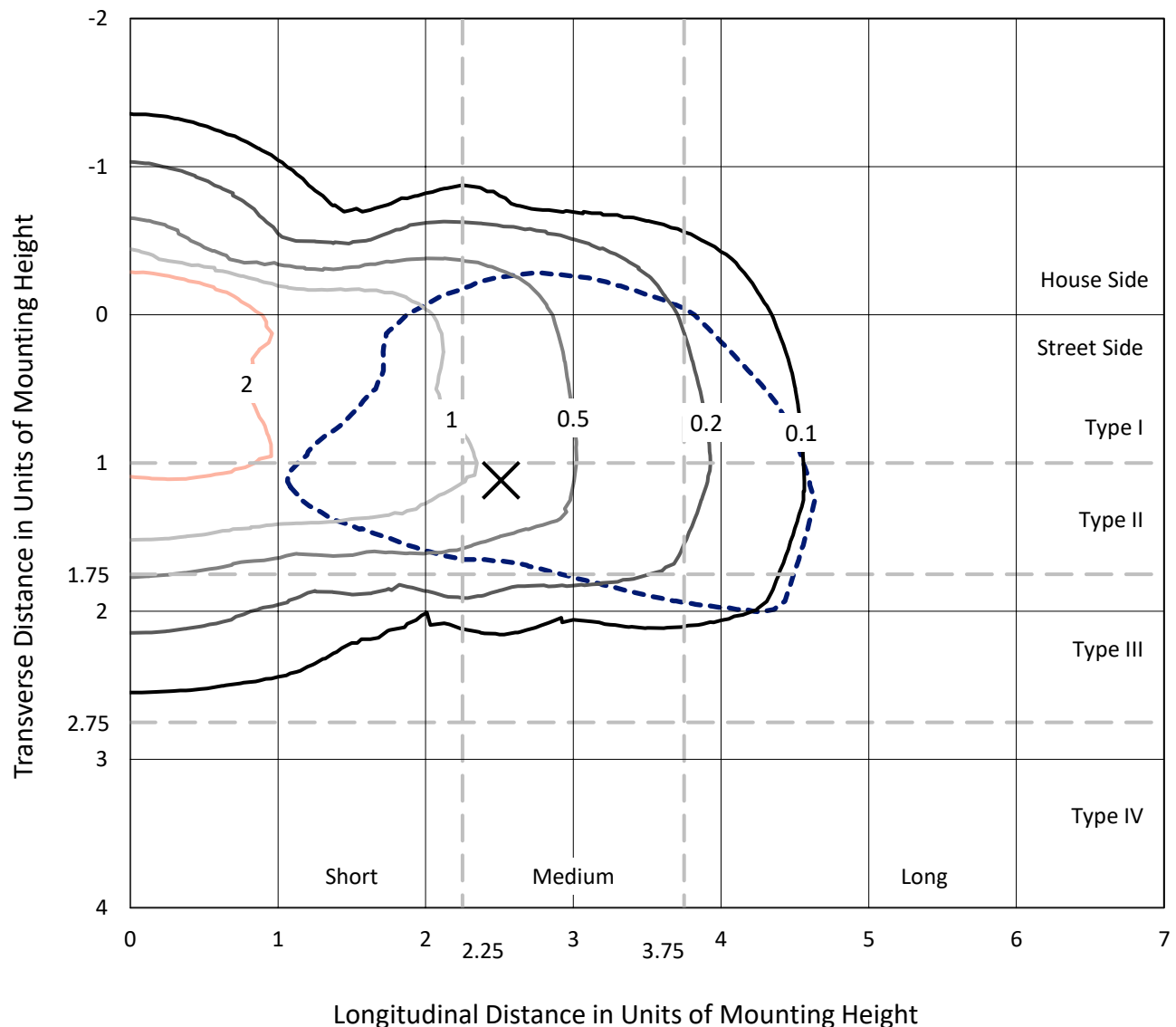
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

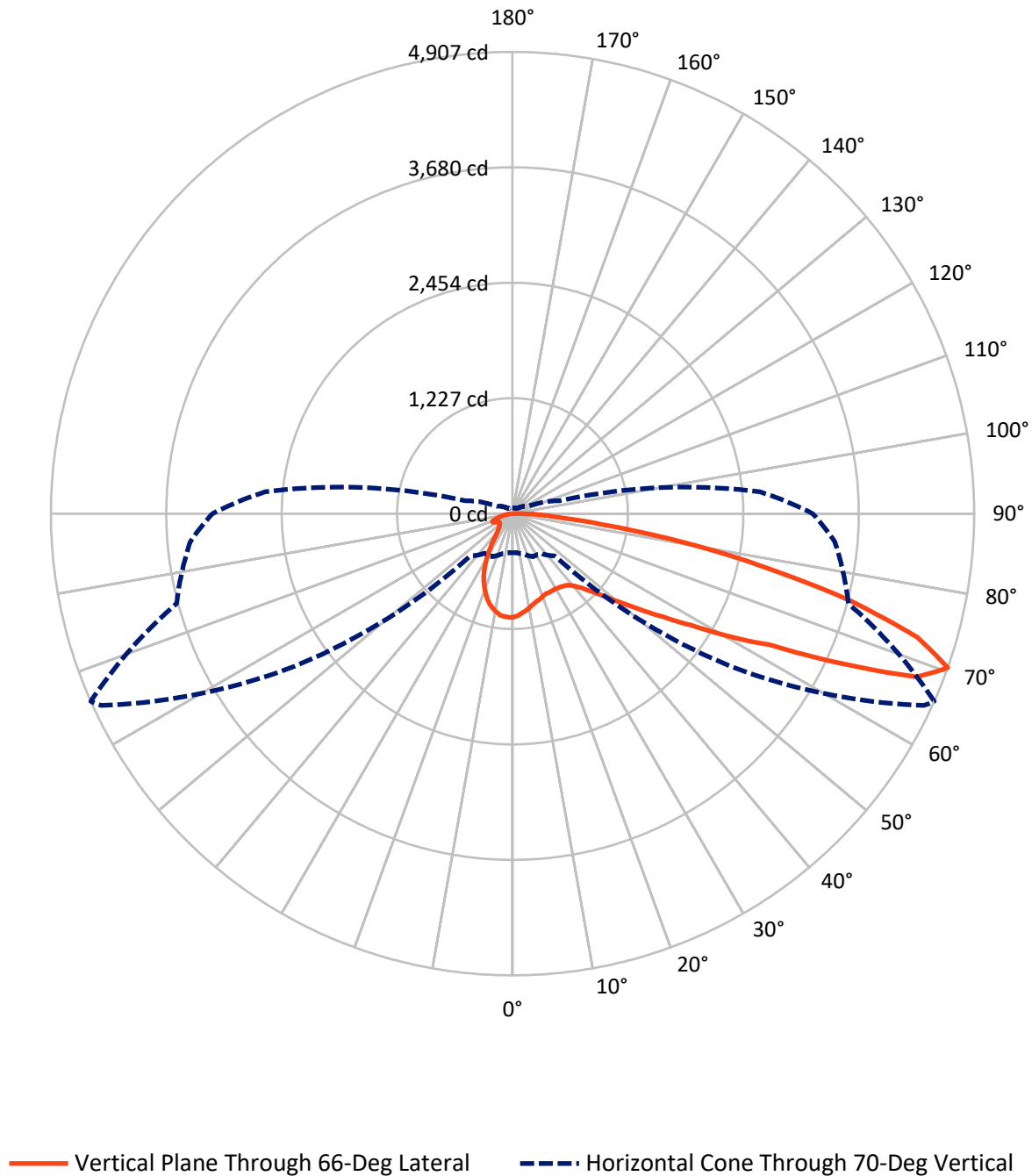
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1020.2	0.0	1020.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3964.0	0.0	3964.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	4984.2	0.0	4984.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	2.0
10°-20°	239.7	4.8
20°-30°	329.2	6.6
30°-40°	441.4	8.9
40°-50°	640.4	12.8
50°-60°	973.4	19.5
60°-70°	1202.2	24.1
70°-80°	894.0	17.9
80°-90°	166.7	3.3
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°	4984.2	100.0
0°-180°	4984.2	100.0

Coefficient of Utilization



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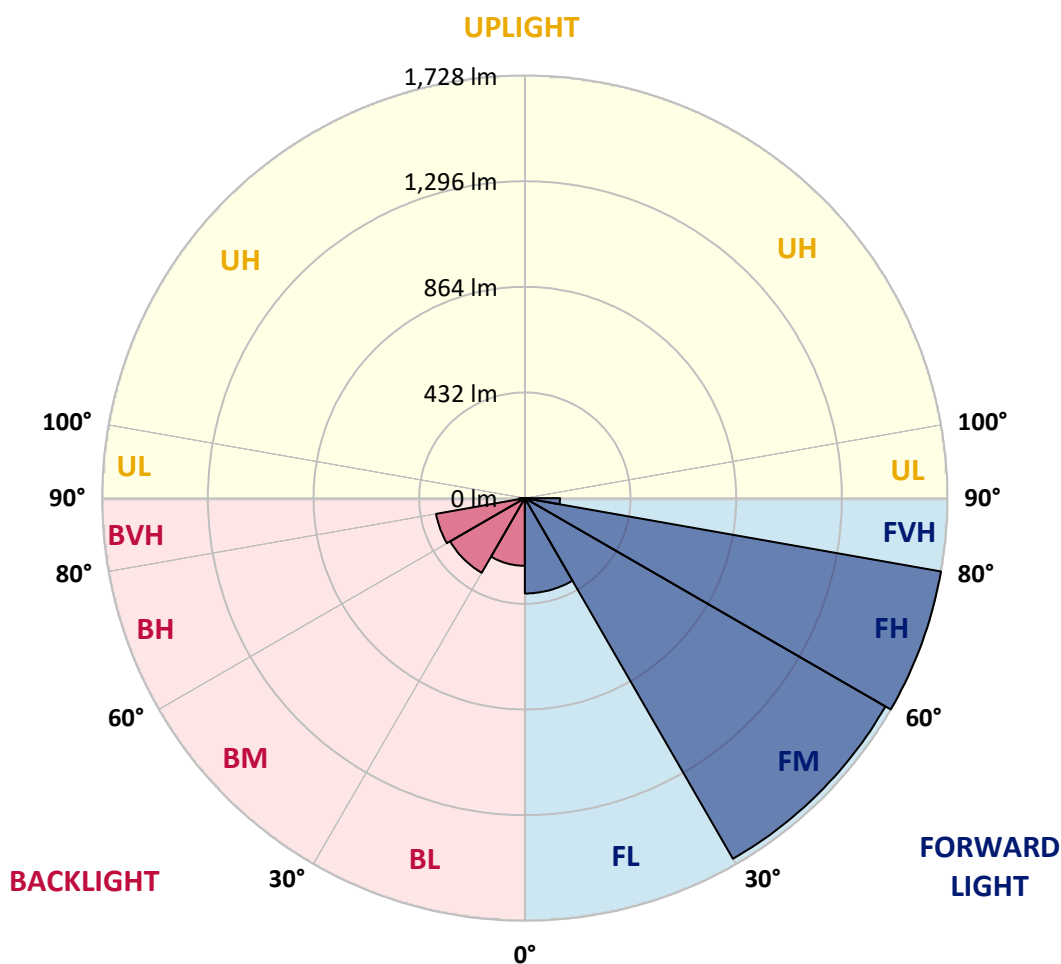
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.7	7.8			
FM	(30°-60°)	1702.7	34.2			
FH	(60°-80°)	1727.9	34.7			G1/1800
FVH	(80°-90°)	143.7	2.9			G2/225
BL	(0°-30°)	276.5	5.5	B1/500		
BM	(30°-60°)	352.4	7.1	B1/1000		
BH	(60°-80°)	368.3	7.4	B1/500		G1/500
BVH	(80°-90°)	23.0	0.5			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°	65°	66°	75°	85°
0°	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1047.4	1053.0	1054.8	1058.5	1067.8	1075.2	1086.3	1091.9	1086.3	1093.8	1093.8
5°	975.1	967.7	986.2	993.6	1004.8	1019.6	1045.6	1065.9	1060.4	1082.6	1101.2
7.5°	913.9	913.9	919.5	936.2	949.2	971.4	999.2	1030.7	1040.0	1069.7	1097.5
10°	858.3	865.7	865.7	891.7	899.1	925.1	971.4	1010.3	1012.2	1062.2	1101.2
12.5°	828.7	825.0	843.5	850.9	873.2	899.1	936.2	984.4	986.2	1040.0	1093.8
15°	804.6	808.3	817.5	836.1	856.5	876.9	912.1	956.6	965.8	1028.9	1090.0
17.5°	806.4	808.3	808.3	821.2	837.9	862.0	895.4	947.3	952.9	1014.0	1084.5
20°	817.5	810.1	815.7	821.2	832.4	854.6	882.4	926.9	932.5	1012.2	1097.5
22.5°	841.6	836.1	834.2	832.4	830.5	843.5	878.7	915.8	921.4	1002.9	1103.0
25°	880.6	878.7	865.7	852.8	843.5	843.5	871.3	925.1	923.2	1002.9	1106.7
27.5°	926.9	926.9	925.1	901.0	873.2	858.3	876.9	921.4	919.5	1002.9	1116.0
30°	989.9	989.9	984.4	962.1	912.1	869.4	880.6	917.6	923.2	995.5	1108.6
32.5°	1058.5	1056.7	1062.2	1041.8	989.9	921.4	902.8	925.1	930.6	1002.9	1110.4
35°	1108.6	1119.7	1138.2	1119.7	1067.8	975.1	934.3	939.9	943.6	1004.8	1117.9
37.5°	1166.1	1179.0	1205.0	1219.8	1164.2	1056.7	984.4	964.0	964.0	1028.9	1119.7
40°	1249.5	1236.5	1281.0	1306.9	1284.7	1156.8	1062.2	1008.5	1010.3	1060.4	1143.8
42.5°	1310.7	1323.6	1370.0	1416.3	1388.5	1279.1	1147.5	1080.8	1080.8	1106.7	1180.9
45°	1379.2	1394.1	1459.0	1514.6	1535.0	1425.6	1264.3	1184.6	1180.9	1197.6	1247.6
47.5°	1455.3	1475.6	1549.8	1614.7	1668.4	1577.6	1414.5	1310.7	1308.8	1321.8	1358.9
50°	1542.4	1549.8	1611.0	1729.6	1837.1	1779.7	1598.0	1488.6	1479.4	1484.9	1535.0
52.5°	1568.3	1562.8	1633.2	1761.1	1957.6	2026.2	1848.3	1690.7	1687.0	1674.0	1738.9
55°	1473.8	1492.3	1560.9	1724.1	2055.9	2317.3	2122.6	1966.9	1933.5	1898.3	1976.2
57.5°	1284.7	1286.6	1364.4	1557.2	1979.9	2558.3	2587.9	2237.6	2239.4	2144.9	2233.9
60°	999.2	993.6	1054.8	1229.1	1763.0	2632.4	3095.9	2669.5	2651.0	2391.4	2473.0
62.5°	721.1	710.0	723.0	825.0	1318.1	2519.3	3594.6	3153.4	3075.5	2643.6	2706.6
65°	593.2	598.8	604.3	609.9	739.7	2078.1	3748.4	3943.1	3839.3	2938.3	2964.3
67.5°	491.3	495.0	519.1	552.4	548.7	1227.2	3570.5	4673.5	4634.6	3303.5	3186.7
70°	417.1	415.3	443.1	504.2	513.5	637.7	2827.1	4823.6	4907.1	3696.5	3438.8
72.5°	333.7	337.4	361.5	443.1	504.2	537.6	1627.7	4501.1	4499.2	3998.7	3303.5
75°	239.1	239.1	272.5	367.1	487.6	532.0	901.0	3653.9	3722.5	3757.7	2866.0
77.5°	157.6	165.0	190.9	274.4	457.9	520.9	571.0	2656.5	2741.8	2810.4	2193.1
80°	107.5	111.2	127.9	190.9	387.4	524.6	467.2	1787.1	1820.5	1551.6	889.8
82.5°	64.9	66.7	85.3	133.5	278.1	498.7	439.4	986.2	965.8	469.0	255.8
85°	35.2	37.1	53.8	89.0	183.5	435.6	431.9	483.8	450.5	172.4	107.5
87.5°	13.0	13.0	24.1	44.5	105.7	298.5	376.3	287.3	268.8	87.1	50.1
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°	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1103.0	1103.0	1103.0	1103.0	1101.2	1093.8	1099.3	1097.5	1086.3	1088.2	1080.8
5°	1099.3	1108.6	1103.0	1095.6	1086.3	1064.1	1056.7	1051.1	1036.3	1030.7	1036.3
7.5°	1108.6	1101.2	1097.5	1084.5	1047.4	1027.0	1001.1	969.5	947.3	941.7	947.3
10°	1106.7	1106.7	1090.0	1053.0	1017.7	958.4	925.1	869.4	837.9	828.7	830.5
12.5°	1099.3	1104.9	1078.9	1019.6	952.9	880.6	819.4	760.1	704.5	682.2	678.5
15°	1106.7	1101.2	1054.8	978.8	886.1	786.0	697.0	609.9	558.0	524.6	517.2
17.5°	1095.6	1090.0	1023.3	923.2	799.0	671.1	559.9	465.3	413.4	400.4	400.4
20°	1108.6	1073.4	986.2	856.5	708.2	545.0	419.0	348.5	335.5	335.5	339.2
22.5°	1106.7	1069.7	954.7	791.6	598.8	411.5	311.4	291.1	292.9	307.7	305.9
25°	1095.6	1062.2	910.2	719.3	483.8	309.6	257.7	252.1	265.1	281.8	279.9
27.5°	1093.8	1041.8	869.4	634.0	368.9	244.7	224.3	224.3	237.3	252.1	250.3
30°	1082.6	1025.2	819.4	537.6	278.1	213.2	205.8	205.8	211.3	218.8	218.8
32.5°	1080.8	1002.9	763.8	437.5	222.5	192.8	189.1	190.9	190.9	194.7	192.8
35°	1065.9	973.3	706.3	339.2	192.8	181.7	178.0	176.1	176.1	174.3	174.3
37.5°	1060.4	954.7	647.0	263.2	179.8	172.4	168.7	163.1	161.3	161.3	159.4
40°	1065.9	936.2	589.5	213.2	168.7	165.0	159.4	152.0	150.2	150.2	150.2
42.5°	1086.3	934.3	530.2	185.4	163.1	157.6	150.2	142.7	140.9	142.7	140.9
45°	1132.7	949.2	472.7	172.4	155.7	150.2	140.9	135.3	133.5	135.3	135.3
47.5°	1208.7	989.9	420.8	165.0	150.2	142.7	133.5	127.9	127.9	127.9	127.9
50°	1334.8	1067.8	370.8	159.4	146.5	137.2	127.9	120.5	118.6	118.6	120.5
52.5°	1523.8	1201.3	330.0	155.7	140.9	129.8	120.5	114.9	111.2	109.4	111.2
55°	1751.9	1395.9	317.0	152.0	133.5	124.2	114.9	107.5	103.8	103.8	102.0
57.5°	1996.6	1611.0	339.2	148.3	127.9	116.8	107.5	100.1	96.4	94.5	94.5
60°	2261.7	1864.9	420.8	146.5	122.4	109.4	100.1	94.5	89.0	87.1	87.1
62.5°	2502.7	2094.8	567.3	144.6	118.6	102.0	92.7	85.3	81.6	79.7	79.7
65°	2777.0	2350.6	710.0	152.0	116.8	96.4	85.3	77.9	74.2	72.3	72.3
67.5°	3016.2	2573.1	793.4	170.6	122.4	89.0	76.0	70.4	68.6	66.7	66.7
70°	3190.4	2641.7	532.0	187.2	131.6	83.4	68.6	64.9	61.2	61.2	61.2
72.5°	2956.8	2358.1	315.1	176.1	124.2	77.9	61.2	57.5	55.6	55.6	53.8
75°	2528.6	2007.7	242.9	142.7	100.1	66.7	53.8	50.1	48.2	48.2	46.3
77.5°	1866.8	1438.6	179.8	113.1	77.9	53.8	46.3	44.5	42.6	40.8	40.8
80°	730.4	630.3	122.4	83.4	57.5	42.6	38.9	37.1	35.2	33.4	33.4
82.5°	226.2	190.9	70.4	55.6	40.8	33.4	31.5	29.7	27.8	26.0	26.0
85°	98.3	94.5	46.3	35.2	27.8	22.2	22.2	20.4	18.5	16.7	16.7
87.5°	48.2	46.3	26.0	16.7	14.8	11.1	11.1	9.3	7.4	7.4	7.4
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)