

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: P671217

Luminaire Tested: **CCP-SA-1E-727-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671217
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5658.9 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

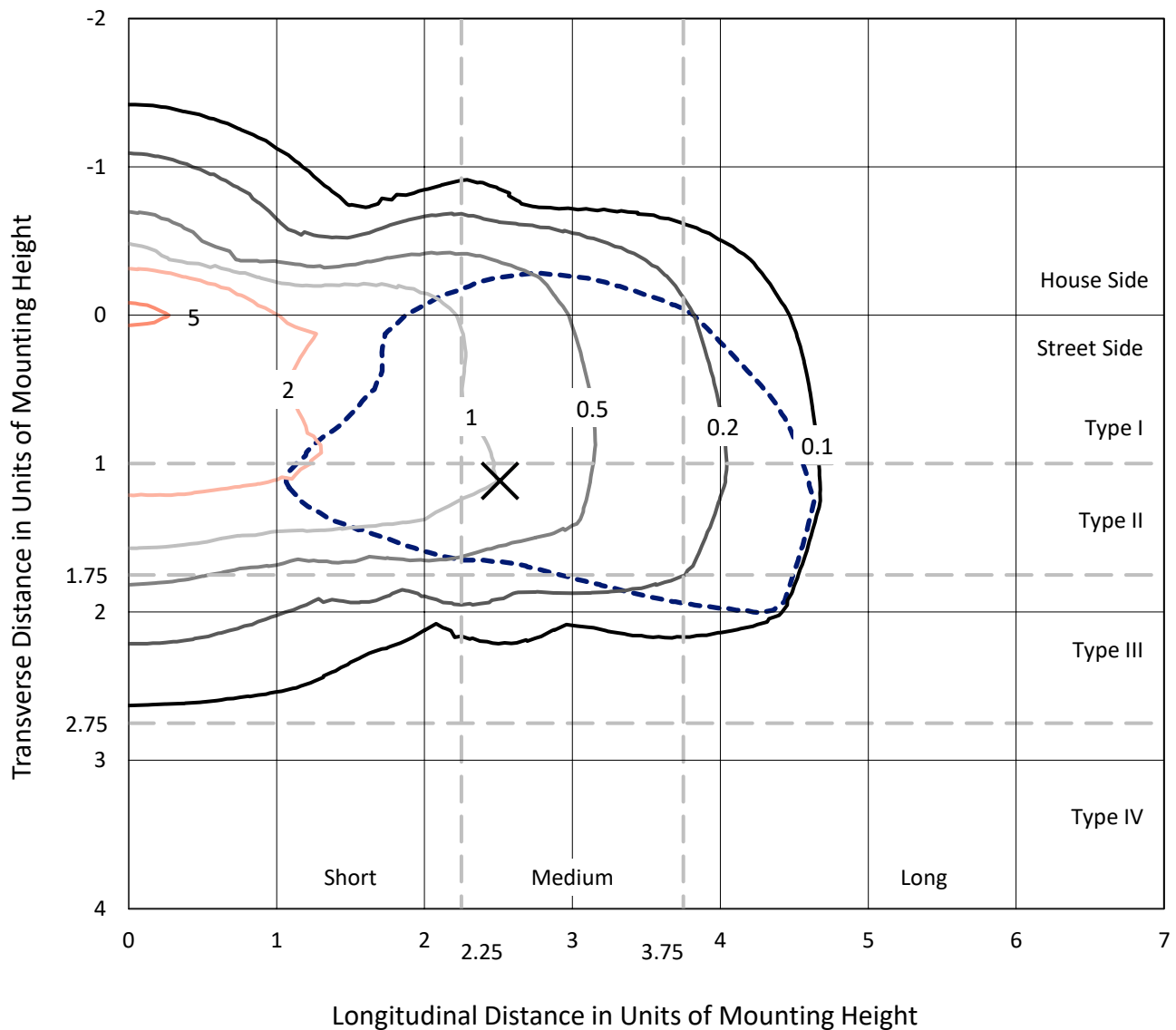
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

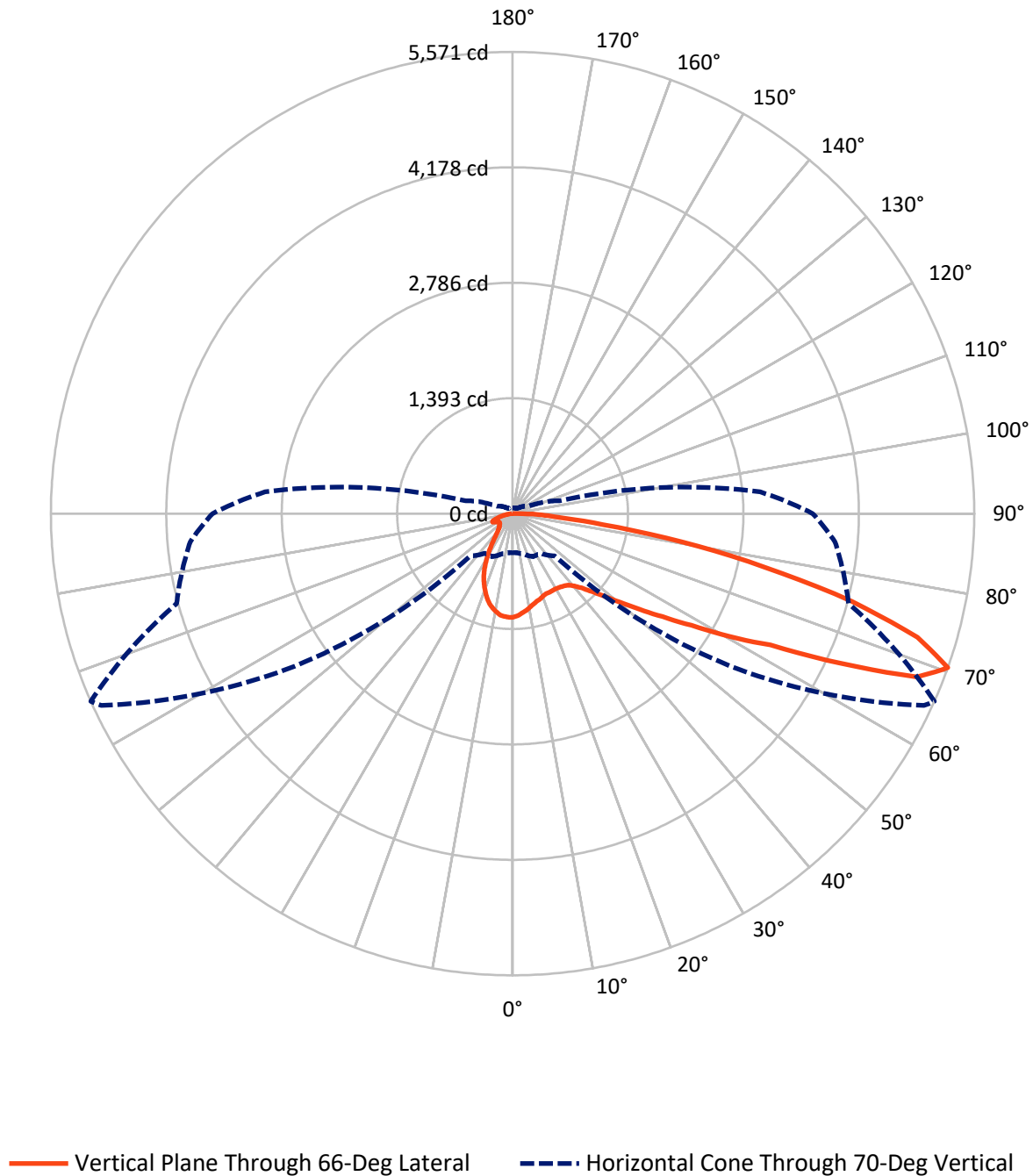


Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1158.3	0.0	1158.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4500.6	0.0	4500.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	5658.9	0.0	5658.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	2.0
10°-20°	272.1	4.8
20°-30°	373.7	6.6
30°-40°	501.1	8.9
40°-50°	727.0	12.8
50°-60°	1105.1	19.5
60°-70°	1364.9	24.1
70°-80°	1015.0	17.9
80°-90°	189.3	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°	5658.9	100.0
0°-180°	5658.9	100.0

Coefficient of Utilization



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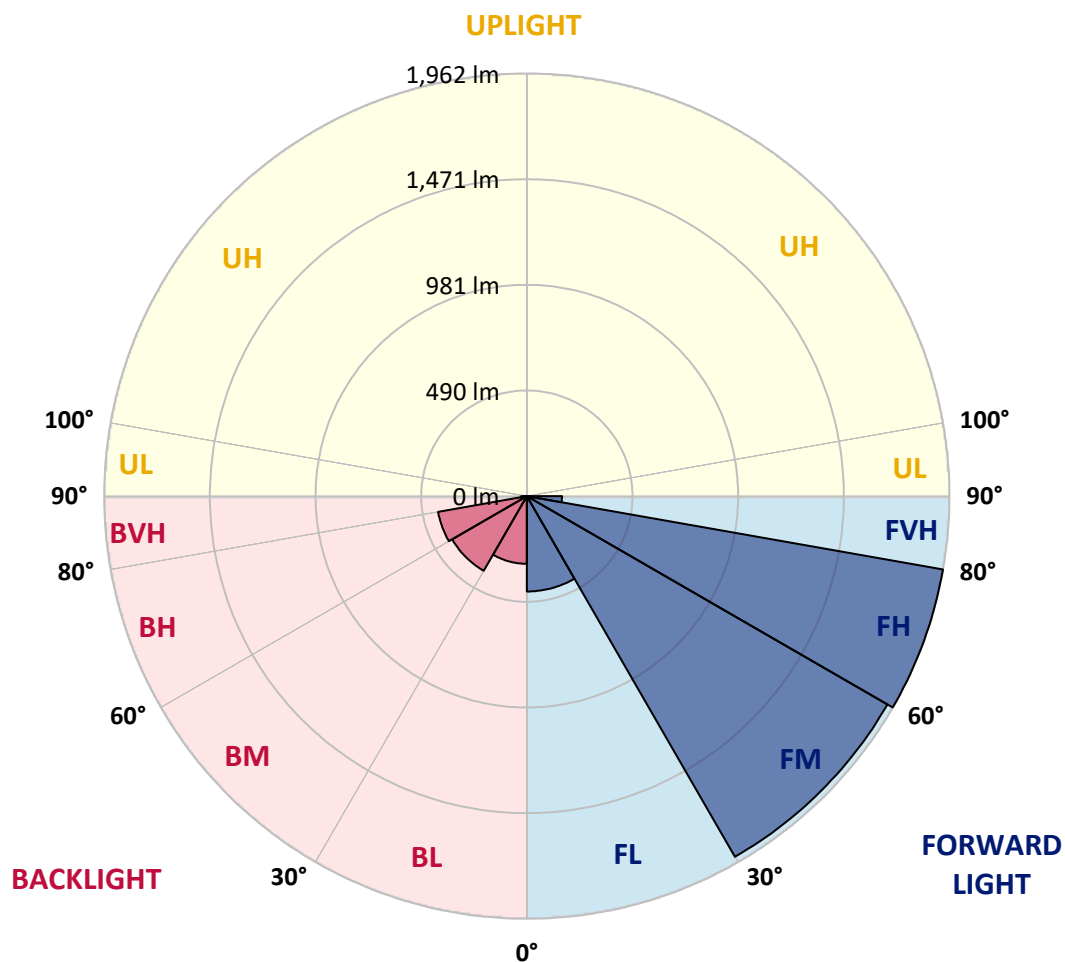
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.5	7.8			
FM	(30°-60°)	1933.1	34.2			
FH	(60°-80°)	1961.7	34.7			G2/5000
FVH	(80°-90°)	163.2	2.9			G2/225
BL	(0°-30°)	313.9	5.5	B1/500		
BM	(30°-60°)	400.1	7.1	B1/1000		
BH	(60°-80°)	418.1	7.4	B1/500		G1/500
BVH	(80°-90°)	26.1	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°	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2
2.5°	1189.2	1195.5	1197.6	1201.8	1212.3	1220.7	1233.4	1239.7	1233.4	1241.8	1241.8
5°	1107.1	1098.7	1119.7	1128.1	1140.8	1157.6	1187.1	1210.2	1203.9	1229.2	1250.2
7.5°	1037.6	1037.6	1044.0	1062.9	1077.6	1102.9	1134.5	1170.2	1180.8	1214.4	1246.0
10°	974.5	982.9	982.9	1012.4	1020.8	1050.3	1102.9	1147.1	1149.2	1206.0	1250.2
12.5°	940.8	936.6	957.7	966.1	991.3	1020.8	1062.9	1117.6	1119.7	1180.8	1241.8
15°	913.5	917.7	928.2	949.2	972.4	995.5	1035.5	1086.0	1096.6	1168.1	1237.6
17.5°	915.6	917.7	917.7	932.4	951.3	978.7	1016.6	1075.5	1081.8	1151.3	1231.3
20°	928.2	919.8	926.1	932.4	945.0	970.3	1001.9	1052.4	1058.7	1149.2	1246.0
22.5°	955.6	949.2	947.1	945.0	942.9	957.7	997.6	1039.7	1046.1	1138.7	1252.3
25°	999.8	997.6	982.9	968.2	957.7	957.7	989.2	1050.3	1048.2	1138.7	1256.5
27.5°	1052.4	1052.4	1050.3	1022.9	991.3	974.5	995.5	1046.1	1044.0	1138.7	1267.1
30°	1123.9	1123.9	1117.6	1092.4	1035.5	987.1	999.8	1041.8	1048.2	1130.2	1258.6
32.5°	1201.8	1199.7	1206.0	1182.9	1123.9	1046.1	1025.0	1050.3	1056.6	1138.7	1260.7
35°	1258.6	1271.3	1292.3	1271.3	1212.3	1107.1	1060.8	1067.1	1071.3	1140.8	1269.2
37.5°	1323.9	1338.6	1368.1	1384.9	1321.8	1199.7	1117.6	1094.5	1094.5	1168.1	1271.3
40°	1418.6	1403.9	1454.4	1483.8	1458.6	1313.4	1206.0	1145.0	1147.1	1203.9	1298.6
42.5°	1488.1	1502.8	1555.4	1608.0	1576.5	1452.3	1302.8	1227.1	1227.1	1256.5	1340.7
45°	1565.9	1582.8	1656.4	1719.6	1742.7	1618.5	1435.4	1344.9	1340.7	1359.7	1416.5
47.5°	1652.2	1675.4	1759.6	1833.2	1894.3	1791.1	1605.9	1488.1	1485.9	1500.7	1542.8
50°	1751.1	1759.6	1829.0	1963.7	2085.8	2020.6	1814.3	1690.1	1679.6	1685.9	1742.7
52.5°	1780.6	1774.3	1854.3	1999.5	2222.6	2300.5	2098.4	1919.5	1915.3	1900.6	1974.2
55°	1673.3	1694.3	1772.2	1957.4	2334.2	2630.9	2409.9	2233.1	2195.2	2155.3	2243.7
57.5°	1458.6	1460.7	1549.1	1768.0	2247.9	2904.5	2938.2	2540.4	2542.5	2435.2	2536.2
60°	1134.5	1128.1	1197.6	1395.4	2001.6	2988.7	3514.9	3030.8	3009.8	2715.1	2807.7
62.5°	818.7	806.1	820.8	936.6	1496.5	2860.3	4081.1	3580.2	3491.8	3001.4	3072.9
65°	673.5	679.8	686.1	692.5	839.8	2359.4	4255.8	4476.8	4358.9	3336.0	3365.5
67.5°	557.8	562.0	589.3	627.2	623.0	1393.3	4053.7	5306.1	5261.9	3750.6	3618.0
70°	473.6	471.5	503.0	572.5	583.0	724.0	3209.7	5476.5	5571.2	4196.9	3904.3
72.5°	378.9	383.1	410.4	503.0	572.5	610.4	1848.0	5110.3	5108.2	4539.9	3750.6
75°	271.5	271.5	309.4	416.7	553.5	604.1	1022.9	4148.4	4226.3	4266.3	3253.9
77.5°	178.9	187.3	216.8	311.5	519.9	591.4	648.3	3016.1	3112.9	3190.8	2489.9
80°	122.1	126.3	145.2	216.8	439.9	595.6	530.4	2029.0	2066.9	1761.7	1010.3
82.5°	73.7	75.8	96.8	151.5	315.7	566.2	498.8	1119.7	1096.6	532.5	290.5
85°	40.0	42.1	61.0	101.0	208.4	494.6	490.4	549.3	511.5	195.7	122.1
87.5°	14.7	14.7	27.4	50.5	120.0	338.9	427.3	326.2	305.2	98.9	56.8
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°	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2	1250.2
2.5°	1252.3	1252.3	1252.3	1252.3	1250.2	1241.8	1248.1	1246.0	1233.4	1235.5	1227.1
5°	1248.1	1258.6	1252.3	1243.9	1233.4	1208.1	1199.7	1193.4	1176.6	1170.2	1176.6
7.5°	1258.6	1250.2	1246.0	1231.3	1189.2	1166.0	1136.6	1100.8	1075.5	1069.2	1075.5
10°	1256.5	1256.5	1237.6	1195.5	1155.5	1088.2	1050.3	987.1	951.3	940.8	942.9
12.5°	1248.1	1254.4	1225.0	1157.6	1081.8	999.8	930.3	862.9	799.8	774.5	770.3
15°	1256.5	1250.2	1197.6	1111.3	1006.1	892.4	791.4	692.5	633.5	595.6	587.2
17.5°	1243.9	1237.6	1161.8	1048.2	907.1	761.9	635.6	528.3	469.4	454.6	454.6
20°	1258.6	1218.6	1119.7	972.4	804.0	618.8	475.7	395.7	381.0	381.0	385.2
22.5°	1256.5	1214.4	1083.9	898.7	679.8	467.3	353.6	330.4	332.5	349.4	347.3
25°	1243.9	1206.0	1033.4	816.6	549.3	351.5	292.6	286.2	301.0	319.9	317.8
27.5°	1241.8	1182.9	987.1	719.8	418.8	277.8	254.7	254.7	269.4	286.2	284.1
30°	1229.2	1163.9	930.3	610.4	315.7	242.0	233.6	233.6	239.9	248.4	248.4
32.5°	1227.1	1138.7	867.2	496.7	252.6	218.9	214.7	216.8	216.8	221.0	218.9
35°	1210.2	1105.0	801.9	385.2	218.9	206.3	202.1	200.0	200.0	197.8	197.8
37.5°	1203.9	1083.9	734.6	298.9	204.2	195.7	191.5	185.2	183.1	183.1	181.0
40°	1210.2	1062.9	669.3	242.0	191.5	187.3	181.0	172.6	170.5	170.5	170.5
42.5°	1233.4	1060.8	602.0	210.5	185.2	178.9	170.5	162.1	160.0	162.1	160.0
45°	1286.0	1077.6	536.7	195.7	176.8	170.5	160.0	153.6	151.5	153.6	153.6
47.5°	1372.3	1123.9	477.8	187.3	170.5	162.1	151.5	145.2	145.2	145.2	145.2
50°	1515.4	1212.3	420.9	181.0	166.3	155.8	145.2	136.8	134.7	134.7	136.8
52.5°	1730.1	1363.9	374.6	176.8	160.0	147.3	136.8	130.5	126.3	124.2	126.3
55°	1989.0	1584.9	359.9	172.6	151.5	141.0	130.5	122.1	117.9	117.9	115.8
57.5°	2266.8	1829.0	385.2	168.4	145.2	132.6	122.1	113.7	109.4	107.3	107.3
60°	2567.8	2117.4	477.8	166.3	138.9	124.2	113.7	107.3	101.0	98.9	98.9
62.5°	2841.4	2378.4	644.1	164.2	134.7	115.8	105.2	96.8	92.6	90.5	90.5
65°	3152.9	2668.8	806.1	172.6	132.6	109.4	96.8	88.4	84.2	82.1	82.1
67.5°	3424.4	2921.4	900.8	193.6	138.9	101.0	86.3	80.0	77.9	75.8	75.8
70°	3622.3	2999.3	604.1	212.6	149.4	94.7	77.9	73.7	69.5	69.5	69.5
72.5°	3357.1	2677.2	357.8	200.0	141.0	88.4	69.5	65.2	63.1	63.1	61.0
75°	2870.9	2279.4	275.7	162.1	113.7	75.8	61.0	56.8	54.7	54.7	52.6
77.5°	2119.5	1633.3	204.2	128.4	88.4	61.0	52.6	50.5	48.4	46.3	46.3
80°	829.3	715.6	138.9	94.7	65.2	48.4	44.2	42.1	40.0	37.9	37.9
82.5°	256.8	216.8	80.0	63.1	46.3	37.9	35.8	33.7	31.6	29.5	29.5
85°	111.6	107.3	52.6	40.0	31.6	25.3	25.3	23.2	21.0	18.9	18.9
87.5°	54.7	52.6	29.5	18.9	16.8	12.6	12.6	10.5	8.4	8.4	8.4
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)