

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: P671220

Luminaire Tested: **CCP-SA-2B-727-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671220
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5716.1 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

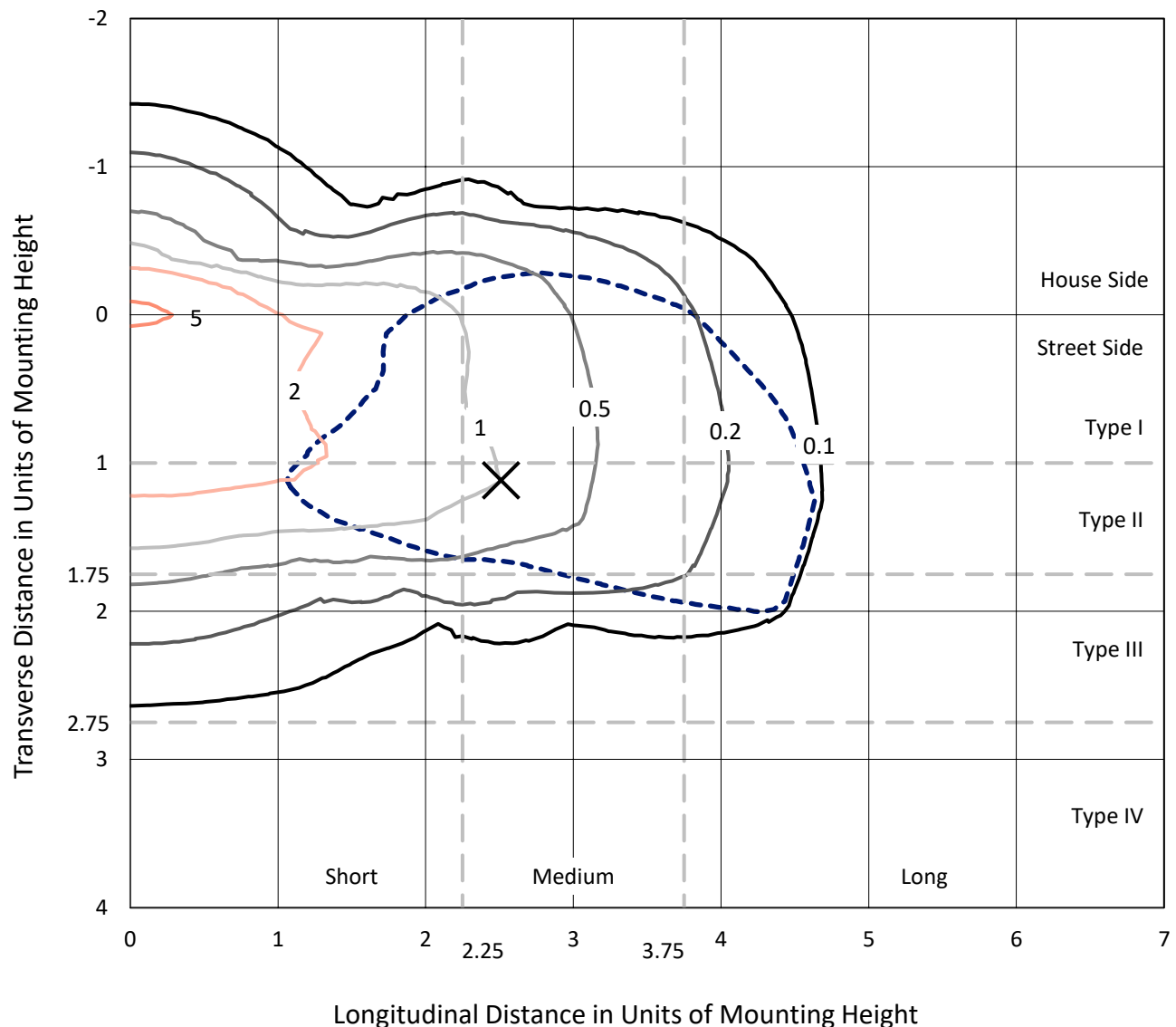
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

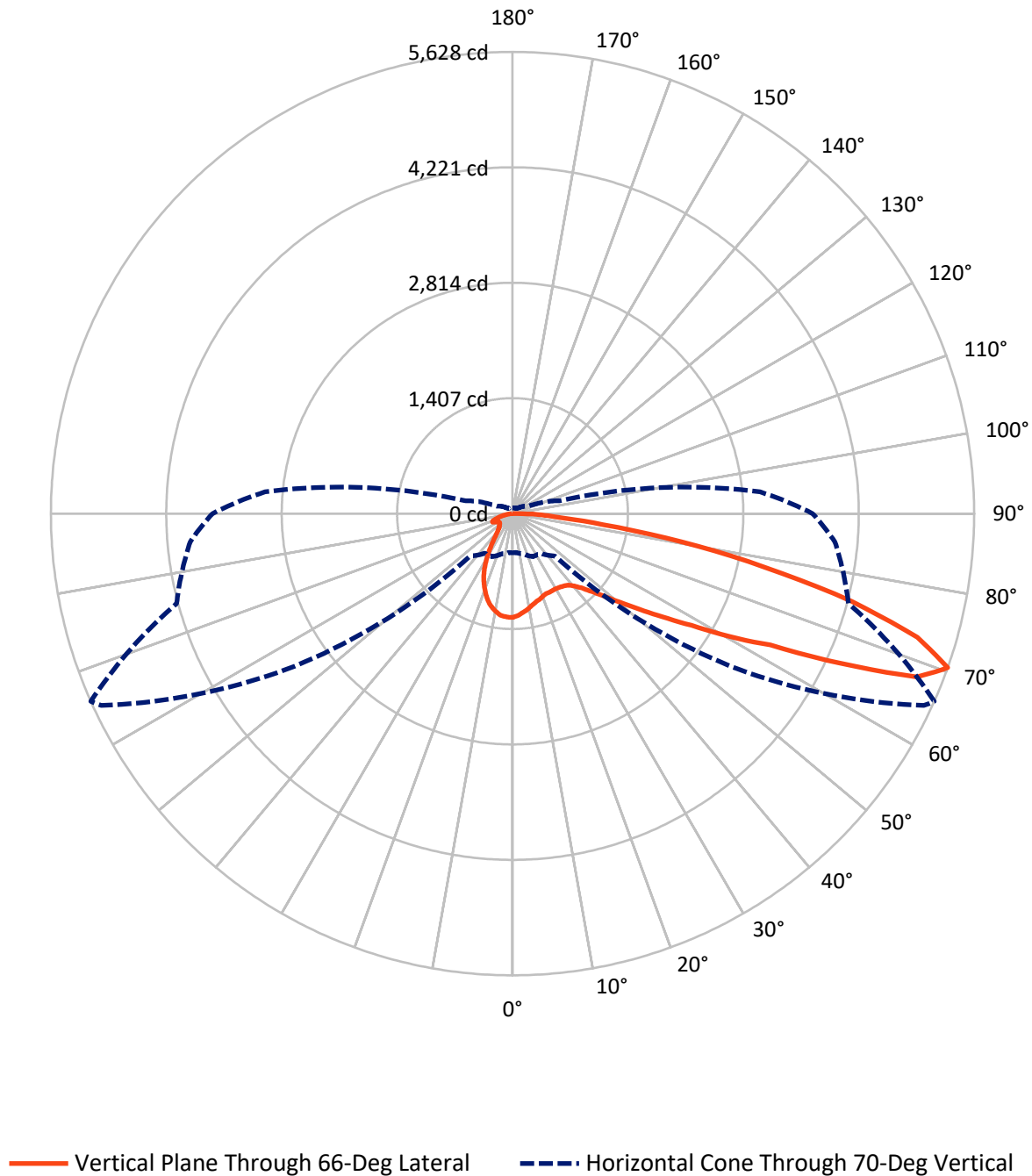
× Max cd
 - - - 1/2 Max cd



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	1170.0	0.0	1170.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4546.1	0.0	4546.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	5716.1	0.0	5716.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	2.0
10°-20°	274.9	4.8
20°-30°	377.5	6.6
30°-40°	506.2	8.9
40°-50°	734.4	12.8
50°-60°	1116.3	19.5
60°-70°	1378.7	24.1
70°-80°	1025.3	17.9
80°-90°	191.2	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°	5716.1	100.0
0°-180°	5716.1	100.0

Coefficient of Utilization



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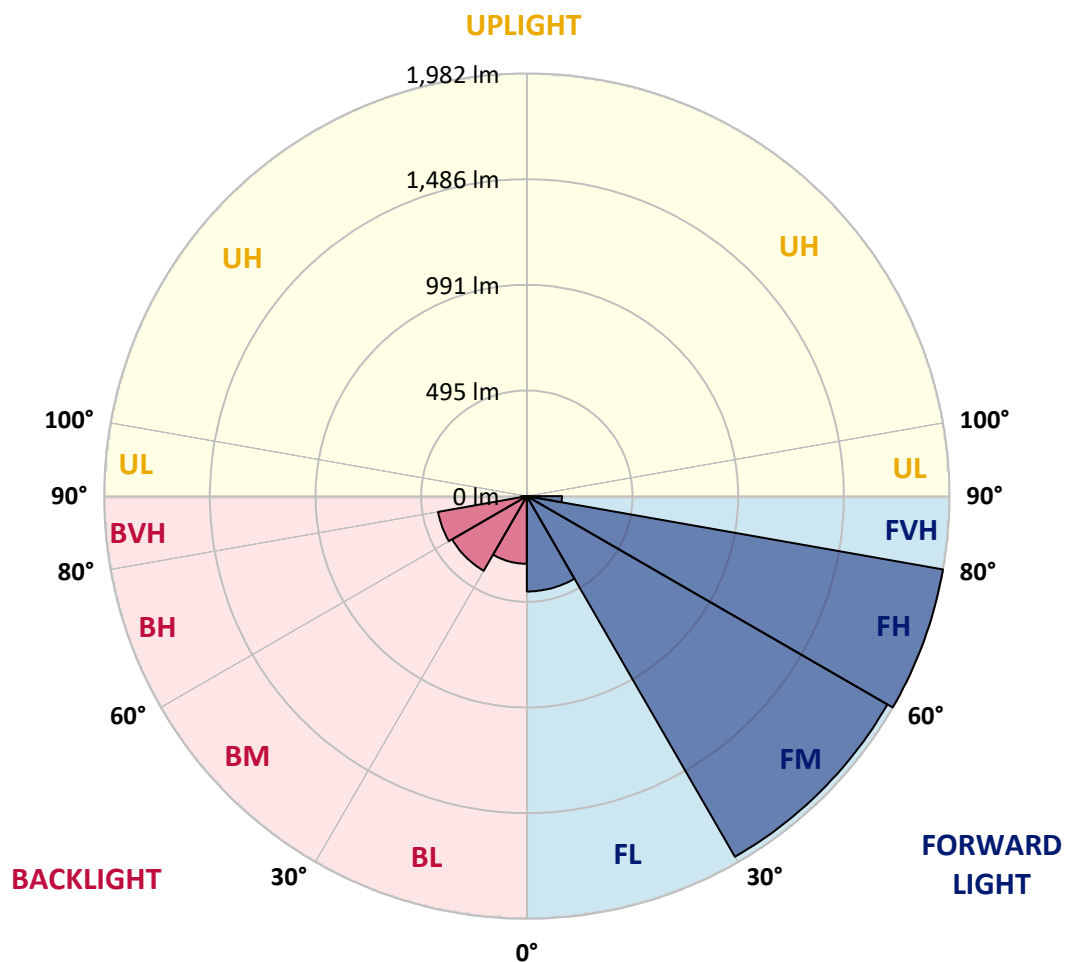
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.0	7.8			
FM	(30°-60°)	1952.7	34.2			
FH	(60°-80°)	1981.6	34.7			G2/5000
FVH	(80°-90°)	164.8	2.9			G2/225
BL	(0°-30°)	317.1	5.5	B1/500		
BM	(30°-60°)	404.2	7.1	B1/1000		
BH	(60°-80°)	422.4	7.4	B1/500		G1/500
BVH	(80°-90°)	26.4	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°	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9
2.5°	1201.2	1207.6	1209.7	1214.0	1224.6	1233.1	1245.9	1252.2	1245.9	1254.4	1254.4
5°	1118.3	1109.8	1131.1	1139.6	1152.3	1169.3	1199.1	1222.5	1216.1	1241.6	1262.9
7.5°	1048.1	1048.1	1054.5	1073.6	1088.5	1114.0	1145.9	1182.1	1192.7	1226.7	1258.6
10°	984.4	992.9	992.9	1022.6	1031.1	1060.9	1114.0	1158.7	1160.8	1218.2	1262.9
12.5°	950.3	946.1	967.3	975.9	1001.4	1031.1	1073.6	1128.9	1131.1	1192.7	1254.4
15°	922.7	927.0	937.6	958.8	982.2	1005.6	1046.0	1097.0	1107.7	1179.9	1250.1
17.5°	924.8	927.0	927.0	941.8	961.0	988.6	1026.9	1086.4	1092.8	1162.9	1243.7
20°	937.6	929.1	935.5	941.8	954.6	980.1	1012.0	1063.0	1069.4	1160.8	1258.6
22.5°	965.2	958.8	956.7	954.6	952.5	967.3	1007.7	1050.3	1056.6	1150.2	1265.0
25°	1009.9	1007.7	992.9	978.0	967.3	967.3	999.2	1060.9	1058.8	1150.2	1269.2
27.5°	1063.0	1063.0	1060.9	1033.3	1001.4	984.4	1005.6	1056.6	1054.5	1150.2	1279.9
30°	1135.3	1135.3	1128.9	1103.4	1046.0	997.1	1009.9	1052.4	1058.8	1141.7	1271.4
32.5°	1214.0	1211.8	1218.2	1194.8	1135.3	1056.6	1035.4	1060.9	1067.3	1150.2	1273.5
35°	1271.4	1284.1	1305.4	1284.1	1224.6	1118.3	1071.5	1077.9	1082.2	1152.3	1282.0
37.5°	1337.3	1352.2	1381.9	1398.9	1335.2	1211.8	1128.9	1105.5	1105.5	1179.9	1284.1
40°	1432.9	1418.1	1469.1	1498.9	1473.3	1326.6	1218.2	1156.6	1158.7	1216.1	1311.8
42.5°	1503.1	1518.0	1571.1	1624.3	1592.4	1467.0	1316.0	1239.5	1239.5	1269.2	1354.3
45°	1581.8	1598.8	1673.2	1737.0	1760.4	1634.9	1450.0	1358.5	1354.3	1373.4	1430.8
47.5°	1668.9	1692.3	1777.4	1851.8	1913.4	1809.3	1622.2	1503.1	1501.0	1515.9	1558.4
50°	1768.9	1777.4	1847.5	1983.6	2106.9	2041.0	1832.6	1707.2	1696.6	1703.0	1760.4
52.5°	1798.6	1792.2	1873.0	2019.7	2245.1	2323.8	2119.7	1938.9	1934.7	1919.8	1994.2
55°	1690.2	1711.5	1790.1	1977.2	2357.8	2657.5	2434.3	2255.7	2217.5	2177.1	2266.4
57.5°	1473.3	1475.5	1564.8	1785.9	2270.6	2933.9	2967.9	2566.1	2568.3	2459.8	2561.9
60°	1145.9	1139.6	1209.7	1409.6	2021.9	3019.0	3550.5	3061.5	3040.2	2742.6	2836.1
62.5°	827.0	814.3	829.2	946.1	1511.6	2889.3	4122.4	3616.4	3527.1	3031.7	3104.0
65°	680.3	686.7	693.1	699.5	848.3	2383.3	4298.8	4522.1	4403.0	3369.8	3399.5
67.5°	563.4	567.7	595.3	633.6	629.3	1407.4	4094.7	5359.7	5315.1	3788.6	3654.7
70°	478.4	476.2	508.1	578.3	588.9	731.4	3242.2	5531.9	5627.6	4239.3	3943.8
72.5°	382.7	386.9	414.6	508.1	578.3	616.6	1866.7	5162.0	5159.9	4585.9	3788.6
75°	274.3	274.3	312.5	421.0	559.1	610.2	1033.3	4190.4	4269.1	4309.5	3286.9
77.5°	180.7	189.2	219.0	314.7	525.1	597.4	654.8	3046.6	3144.4	3223.1	2515.1
80°	123.3	127.6	146.7	219.0	444.3	601.7	535.8	2049.5	2087.8	1779.5	1020.5
82.5°	74.4	76.5	97.8	153.1	318.9	571.9	503.9	1131.1	1107.7	537.9	293.4
85°	40.4	42.5	61.7	102.0	210.5	499.6	495.4	554.9	516.6	197.7	123.3
87.5°	14.9	14.9	27.6	51.0	121.2	342.3	431.6	329.5	308.3	99.9	57.4
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°	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9	1262.9
2.5°	1265.0	1265.0	1265.0	1265.0	1262.9	1254.4	1260.7	1258.6	1245.9	1248.0	1239.5
5°	1260.7	1271.4	1265.0	1256.5	1245.9	1220.3	1211.8	1205.5	1188.5	1182.1	1188.5
7.5°	1271.4	1262.9	1258.6	1243.7	1201.2	1177.8	1148.1	1111.9	1086.4	1080.0	1086.4
10°	1269.2	1269.2	1250.1	1207.6	1167.2	1099.2	1060.9	997.1	961.0	950.3	952.5
12.5°	1260.7	1267.1	1237.4	1169.3	1092.8	1009.9	939.7	871.7	807.9	782.4	778.1
15°	1269.2	1262.9	1209.7	1122.5	1016.2	901.4	799.4	699.5	639.9	601.7	593.2
17.5°	1256.5	1250.1	1173.6	1058.8	916.3	769.6	642.1	533.6	474.1	459.2	459.2
20°	1271.4	1231.0	1131.1	982.2	812.1	625.1	480.5	399.7	384.8	384.8	389.1
22.5°	1269.2	1226.7	1094.9	907.8	686.7	472.0	357.2	333.8	335.9	352.9	350.8
25°	1256.5	1218.2	1043.9	824.9	554.9	355.0	295.5	289.1	304.0	323.2	321.0
27.5°	1254.4	1194.8	997.1	727.1	423.1	280.6	257.3	257.3	272.1	289.1	287.0
30°	1241.6	1175.7	939.7	616.6	318.9	244.5	236.0	236.0	242.4	250.9	250.9
32.5°	1239.5	1150.2	875.9	501.7	255.1	221.1	216.9	219.0	219.0	223.2	221.1
35°	1222.5	1116.2	810.0	389.1	221.1	208.4	204.1	202.0	202.0	199.8	199.8
37.5°	1216.1	1094.9	742.0	301.9	206.2	197.7	193.5	187.1	185.0	185.0	182.8
40°	1222.5	1073.6	676.1	244.5	193.5	189.2	182.8	174.3	172.2	172.2	172.2
42.5°	1245.9	1071.5	608.0	212.6	187.1	180.7	172.2	163.7	161.6	163.7	161.6
45°	1299.0	1088.5	542.1	197.7	178.6	172.2	161.6	155.2	153.1	155.2	155.2
47.5°	1386.2	1135.3	482.6	189.2	172.2	163.7	153.1	146.7	146.7	146.7	146.7
50°	1530.7	1224.6	425.2	182.8	168.0	157.3	146.7	138.2	136.1	136.1	138.2
52.5°	1747.6	1377.7	378.4	178.6	161.6	148.8	138.2	131.8	127.6	125.4	127.6
55°	2009.1	1600.9	363.6	174.3	153.1	142.4	131.8	123.3	119.1	119.1	116.9
57.5°	2289.7	1847.5	389.1	170.1	146.7	133.9	123.3	114.8	110.6	108.4	108.4
60°	2593.8	2138.8	482.6	168.0	140.3	125.4	114.8	108.4	102.0	99.9	99.9
62.5°	2870.1	2402.4	650.6	165.8	136.1	116.9	106.3	97.8	93.5	91.4	91.4
65°	3184.8	2695.8	814.3	174.3	133.9	110.6	97.8	89.3	85.0	82.9	82.9
67.5°	3459.1	2950.9	909.9	195.6	140.3	102.0	87.2	80.8	78.7	76.5	76.5
70°	3658.9	3029.6	610.2	214.7	150.9	95.7	78.7	74.4	70.2	70.2	70.2
72.5°	3391.0	2704.3	361.4	202.0	142.4	89.3	70.2	65.9	63.8	63.8	61.7
75°	2899.9	2302.5	278.5	163.7	114.8	76.5	61.7	57.4	55.3	55.3	53.2
77.5°	2140.9	1649.8	206.2	129.7	89.3	61.7	53.2	51.0	48.9	46.8	46.8
80°	837.7	722.9	140.3	95.7	65.9	48.9	44.6	42.5	40.4	38.3	38.3
82.5°	259.4	219.0	80.8	63.8	46.8	38.3	36.1	34.0	31.9	29.8	29.8
85°	112.7	108.4	53.2	40.4	31.9	25.5	25.5	23.4	21.3	19.1	19.1
87.5°	55.3	53.2	29.8	19.1	17.0	12.8	12.8	10.6	8.5	8.5	8.5
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)