

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: P674718

Luminaire Tested: **CCP-SA-1F-750-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674718  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-750-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

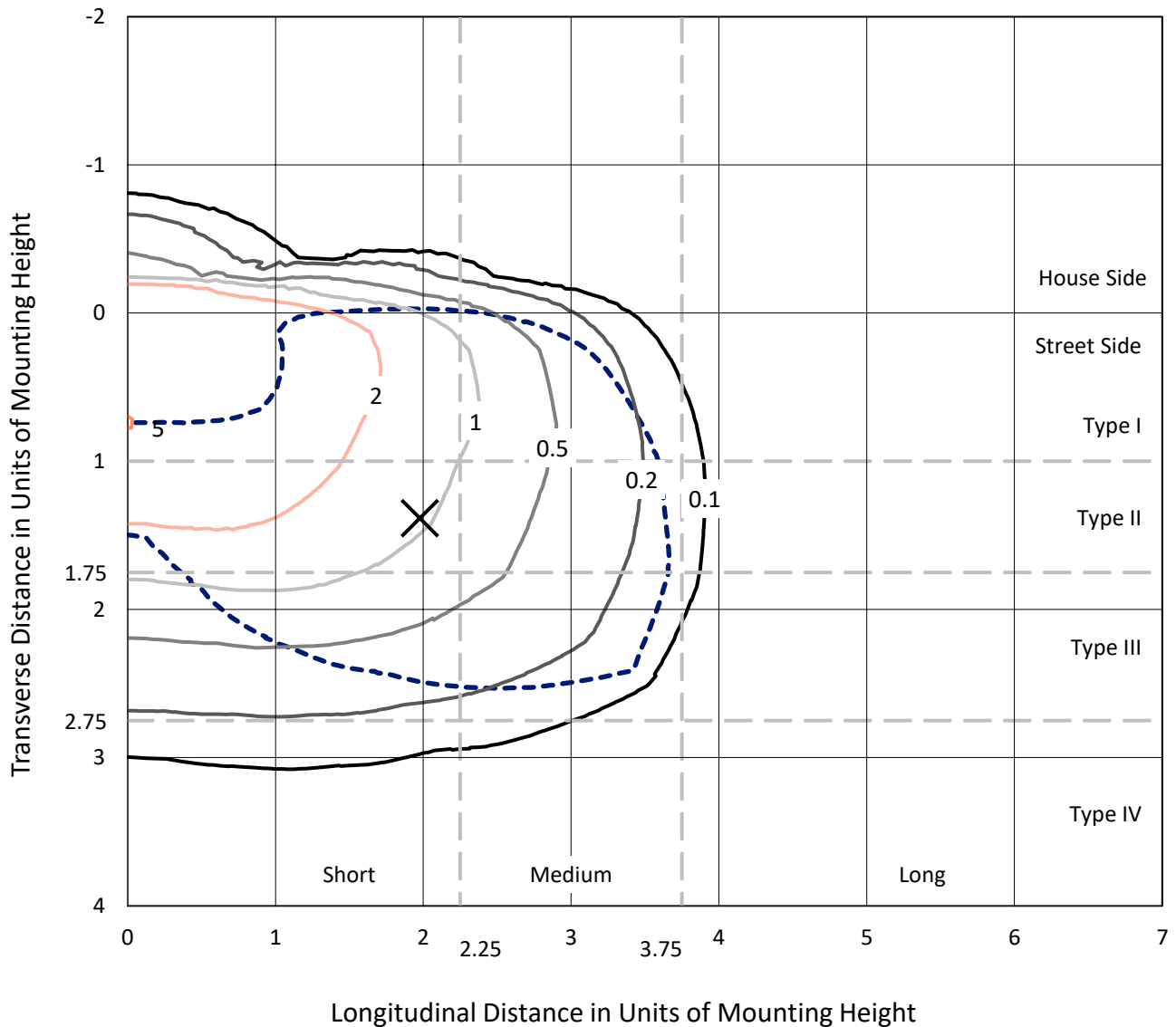
Lumens per Lamp: N/A  
Luminaire Lumens: 6082.5 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

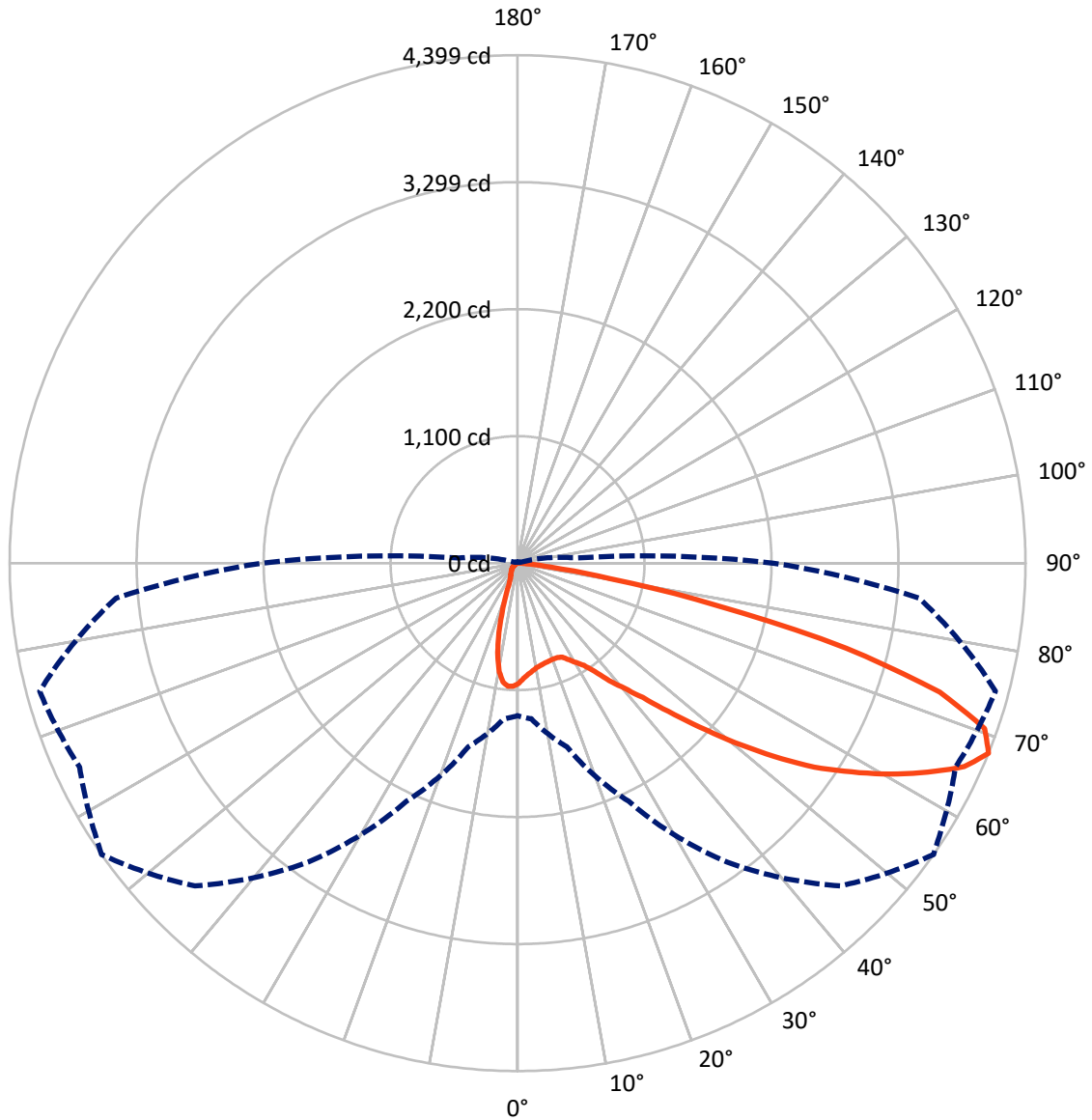
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	546.4	0.0	546.4
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5536.1	0.0	5536.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	6082.5	0.0	6082.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.5	1.5
10°-20°	208.3	3.4
20°-30°	334.2	5.5
30°-40°	579.6	9.5
40°-50°	966.4	15.9
50°-60°	1413.2	23.2
60°-70°	1647.8	27.1
70°-80°	799.7	13.1
80°-90°	41.8	0.7
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°	6082.5	100.0
0°-180°	6082.5	100.0



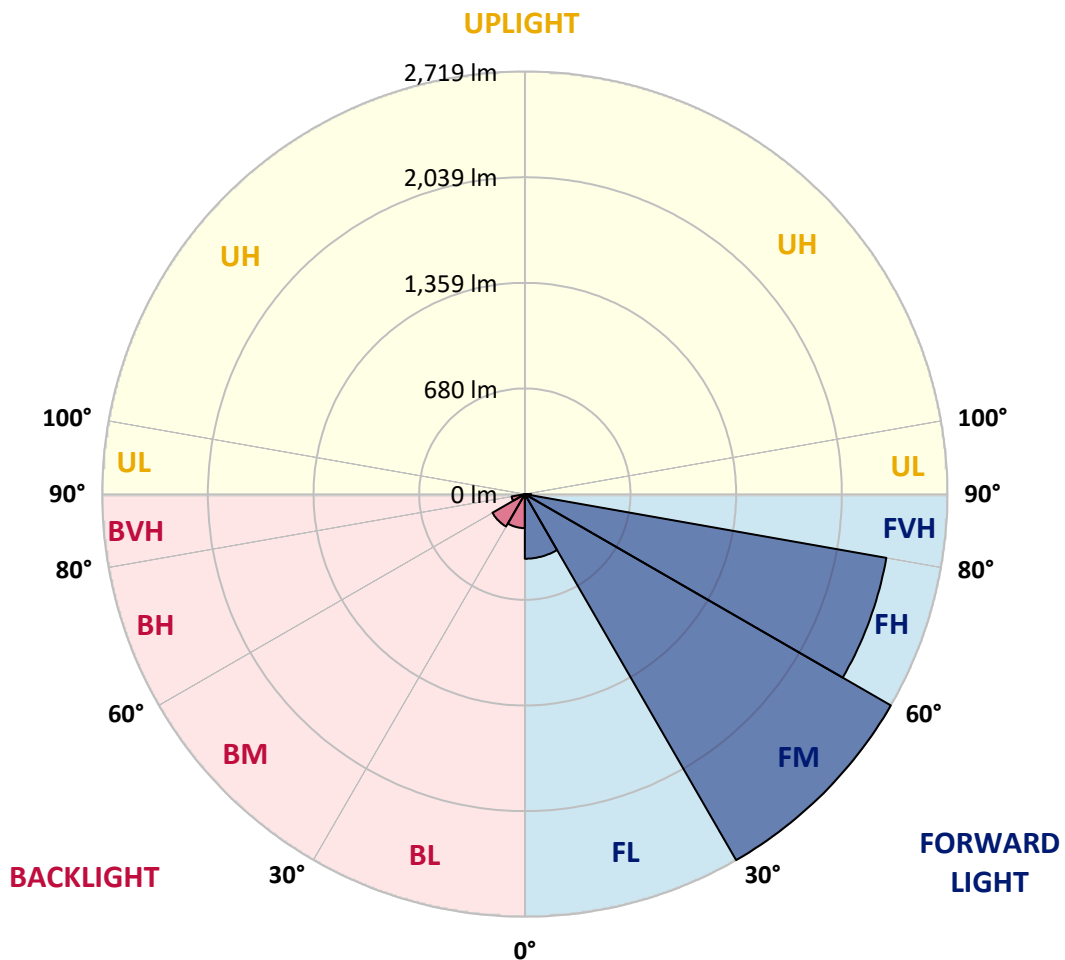
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.5	6.8			
FM (30°-60°)	2718.7	44.7			
FH (60°-80°)	2361.3	38.8			G2/5000
FVH (80°-90°)	40.6	0.7			G1/100
BL (0°-30°)	218.4	3.6	B1/500		
BM (30°-60°)	240.6	4.0	B1/1000		
BH (60°-80°)	86.2	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4
2.5°	962.2	968.4	976.2	979.0	988.6	1002.0	998.1	995.3	1010.4	1031.2	1037.9
5°	902.3	902.8	915.2	924.1	940.4	953.3	967.3	966.2	993.6	1028.9	1051.3
7.5°	843.4	844.5	857.4	871.4	895.0	920.2	941.5	940.4	984.6	1031.7	1074.3
10°	766.1	771.7	787.4	812.0	849.0	888.8	918.5	921.3	974.6	1042.4	1105.7
12.5°	703.9	706.7	724.1	756.0	799.7	851.8	907.3	905.6	976.8	1062.0	1146.6
15°	677.5	675.9	686.5	710.0	759.9	825.5	896.1	900.0	984.6	1084.4	1189.2
17.5°	683.7	682.0	687.6	696.0	731.3	803.6	889.9	896.7	997.0	1107.9	1229.0
20°	752.1	740.3	730.2	721.3	726.3	785.7	886.0	893.3	1004.3	1125.9	1271.0
22.5°	883.8	869.2	842.3	792.4	759.4	786.8	887.1	896.7	1020.5	1155.0	1322.0
25°	1098.4	1084.4	1026.7	924.7	837.3	827.2	902.3	912.4	1058.1	1199.3	1376.4
27.5°	1382.5	1351.2	1281.1	1134.8	966.2	891.6	947.7	958.9	1111.3	1233.5	1413.4
30°	1618.5	1611.2	1543.9	1364.6	1143.8	986.3	998.7	1004.8	1135.4	1254.2	1450.4
32.5°	1863.4	1848.2	1786.6	1612.3	1350.0	1121.4	1055.8	1058.6	1166.8	1285.0	1504.2
35°	2076.3	2062.3	2010.8	1841.5	1591.0	1303.0	1150.5	1144.4	1231.8	1352.8	1577.0
37.5°	2273.6	2271.9	2226.5	2053.9	1807.3	1491.3	1290.1	1285.0	1333.2	1427.4	1675.6
40°	2466.4	2461.9	2423.2	2265.8	2020.3	1679.0	1422.9	1410.0	1419.5	1531.6	1805.7
42.5°	2584.6	2594.2	2607.6	2507.9	2273.0	1899.2	1591.0	1583.2	1581.5	1694.7	1976.6
45°	2648.5	2665.3	2744.3	2735.4	2540.9	2173.3	1830.3	1810.1	1803.4	1918.9	2172.2
47.5°	2710.7	2718.0	2847.5	2901.8	2797.6	2459.1	2119.5	2091.5	2064.0	2192.3	2405.9
50°	2714.6	2726.4	2886.7	3018.9	3012.8	2740.4	2444.0	2419.3	2387.9	2525.2	2633.9
52.5°	2659.7	2683.3	2881.6	3092.9	3146.2	2988.7	2780.8	2760.6	2734.8	2837.4	2826.2
55°	2280.3	2320.1	2783.0	3099.6	3239.8	3201.6	3119.3	3091.2	3066.0	3138.9	3014.5
57.5°	2099.9	2122.3	2483.8	3094.6	3359.1	3398.9	3412.9	3400.0	3364.7	3455.5	3211.2
60°	1991.7	2024.2	2340.8	3038.6	3488.0	3622.0	3709.9	3684.2	3641.0	3766.0	3421.9
62.5°	1862.3	1885.8	2198.5	2877.2	3564.8	3848.9	3988.5	3964.9	3875.8	4052.4	3592.3
65°	1623.5	1658.8	1972.1	2623.3	3461.7	4015.4	4250.7	4242.9	4088.2	4268.7	3638.8
67.5°	1321.5	1353.4	1645.4	2275.3	3160.2	3953.2	4399.2	4374.6	4184.6	4284.9	3491.4
70°	991.9	1009.3	1229.5	1738.4	2589.1	3620.8	4291.6	4286.6	4038.3	4043.9	3039.1
72.5°	532.4	580.6	817.6	1163.4	1820.8	2932.6	3824.8	3804.6	3602.9	3312.0	2185.6
75°	186.1	200.1	435.4	653.4	989.1	1953.6	2941.1	2894.0	2694.5	2154.2	1190.9
77.5°	114.3	125.5	193.3	334.0	385.0	847.9	1767.0	1705.9	1577.0	931.4	406.9
80°	79.0	89.1	129.5	174.8	131.1	274.6	813.2	790.2	608.0	221.9	93.6
82.5°	44.3	53.2	98.1	85.7	52.7	71.2	281.9	261.2	162.0	60.0	31.4
85°	25.8	30.8	68.9	60.5	26.9	25.2	73.4	65.6	42.0	22.4	15.1
87.5°	13.4	17.4	50.4	40.3	16.3	9.0	16.8	16.3	10.6	7.8	10.1
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°	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4	1042.4
2.5°	1050.2	1047.4	1062.0	1067.0	1065.9	1063.7	1069.3	1062.0	1061.4	1059.7	1058.1
5°	1069.3	1073.8	1085.5	1085.5	1069.8	1044.1	1028.4	1007.1	989.1	978.5	976.8
7.5°	1097.9	1106.8	1114.7	1090.6	1036.8	972.9	905.1	851.8	805.3	781.2	779.0
10°	1138.2	1146.6	1140.4	1071.5	956.1	823.8	713.4	602.4	547.0	516.7	516.7
12.5°	1186.4	1193.1	1155.6	1023.9	823.2	631.6	484.2	367.6	312.2	276.3	274.0
15°	1238.5	1240.2	1153.3	940.9	659.0	424.2	278.0	204.0	180.5	175.4	174.3
17.5°	1283.9	1277.2	1129.8	818.2	474.7	252.7	176.5	159.7	155.2	155.2	155.2
20°	1326.5	1304.1	1082.7	675.3	304.3	172.0	151.9	147.4	147.4	147.9	147.9
22.5°	1373.6	1329.3	1015.5	516.7	195.6	147.4	142.3	140.1	139.5	141.2	140.7
25°	1429.1	1354.0	919.1	357.0	151.3	137.3	135.1	132.8	132.8	132.8	132.8
27.5°	1459.9	1350.6	809.2	225.3	132.3	127.2	125.0	122.7	121.0	120.5	121.0
30°	1486.8	1331.0	665.8	157.5	119.4	113.8	112.1	109.3	105.9	104.8	104.8
32.5°	1522.1	1314.7	515.6	126.7	108.2	102.0	97.0	92.5	86.9	84.6	84.1
35°	1561.3	1285.0	377.7	111.5	98.1	90.2	82.4	75.1	67.8	65.6	65.0
37.5°	1610.1	1258.1	256.1	103.1	89.7	80.1	69.5	59.4	52.7	51.6	51.6
40°	1676.2	1235.7	177.1	95.8	81.8	70.6	57.7	47.1	42.6	41.5	41.5
42.5°	1766.4	1217.2	133.9	89.7	75.1	61.1	46.5	38.7	35.3	34.2	34.2
45°	1872.9	1188.6	113.2	84.1	68.4	51.6	38.7	32.5	30.8	30.8	30.8
47.5°	1995.1	1152.8	103.1	78.5	61.1	42.0	32.5	29.7	29.1	29.1	29.7
50°	2118.4	1110.2	95.8	71.7	52.7	35.9	29.7	28.0	28.0	28.6	28.6
52.5°	2201.9	1043.5	88.5	64.4	44.3	31.4	28.0	27.5	26.9	26.9	26.9
55°	2283.1	985.2	78.5	56.6	37.0	29.1	26.9	26.3	26.3	25.8	25.8
57.5°	2367.7	939.3	65.6	47.1	31.4	27.5	25.8	25.8	24.7	24.1	24.1
60°	2465.8	898.9	50.4	37.0	27.5	25.8	24.1	23.5	22.4	21.3	21.3
62.5°	2494.4	813.7	38.1	29.7	23.5	22.4	21.9	20.7	17.9	15.7	16.3
65°	2419.9	679.8	30.3	23.5	19.1	19.1	17.4	14.6	11.8	10.1	10.1
67.5°	2214.2	507.7	24.7	18.5	15.1	14.6	12.3	10.6	7.3	6.2	6.2
70°	1824.7	335.7	20.2	14.6	12.3	10.1	8.4	7.8	5.6	4.5	4.5
72.5°	1278.9	182.1	16.8	11.8	9.0	6.7	5.6	5.0	3.9	3.4	2.8
75°	675.3	70.1	13.4	9.0	5.6	4.5	3.4	3.4	2.8	2.2	2.2
77.5°	231.5	29.7	9.5	5.0	3.9	2.8	2.2	1.7	2.2	1.7	1.7
80°	54.9	17.4	6.2	3.4	2.2	1.7	1.7	1.1	1.1	1.1	1.1
82.5°	24.1	10.1	3.9	2.2	2.2	1.7	1.1	0.6	0.6	0.6	0.6
85°	16.3	6.2	2.8	2.2	1.7	1.1	0.6	0.6	0.0	0.0	0.0
87.5°	12.9	3.9	2.2	2.2	1.7	1.1	0.6	0.0	0.0	0.0	0.0
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)