

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: P674677

Luminaire Tested: **CCP-SA-2C-727-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674677  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-727-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

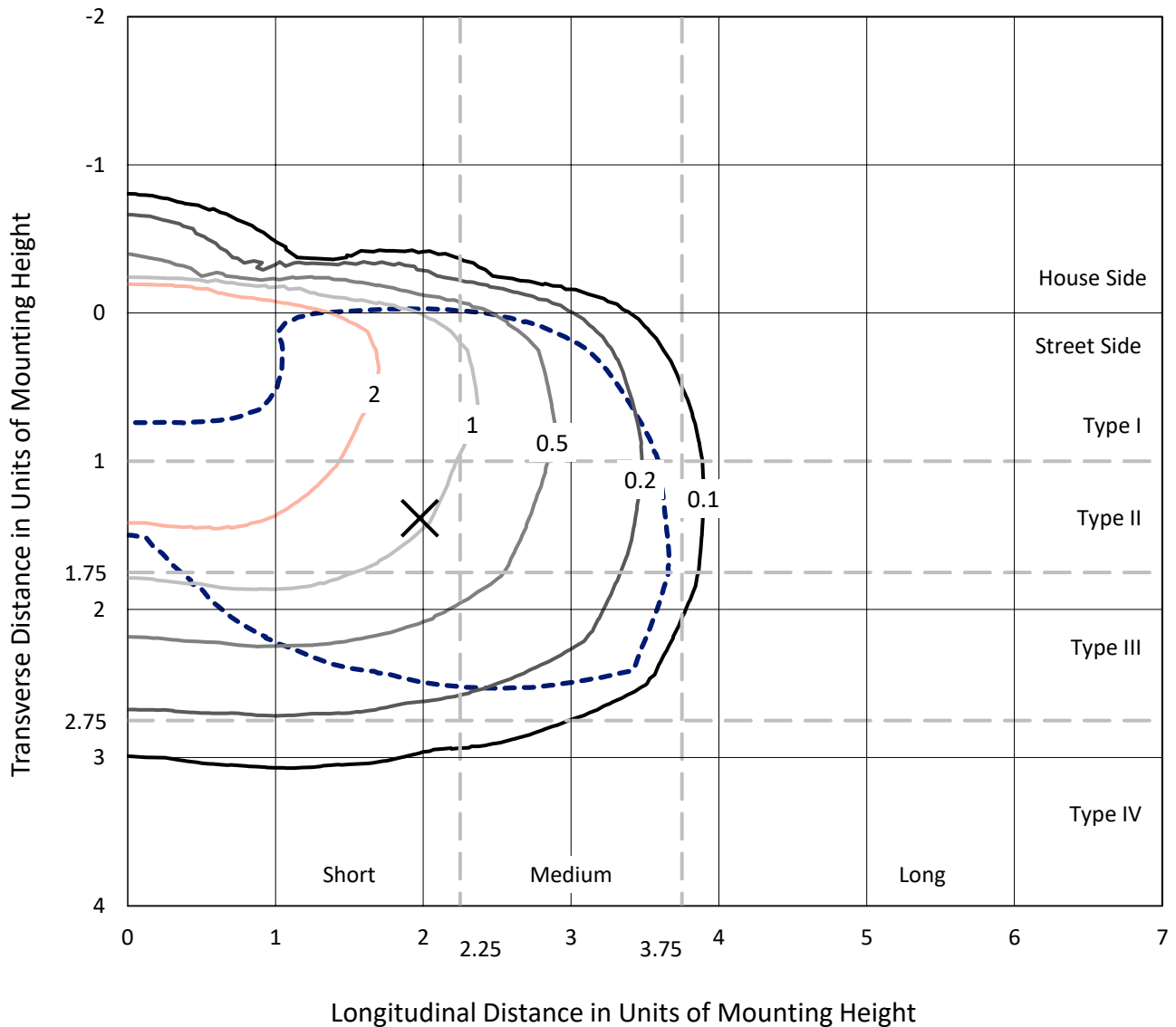
Lumens per Lamp: N/A  
Luminaire Lumens: 5996.9 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

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

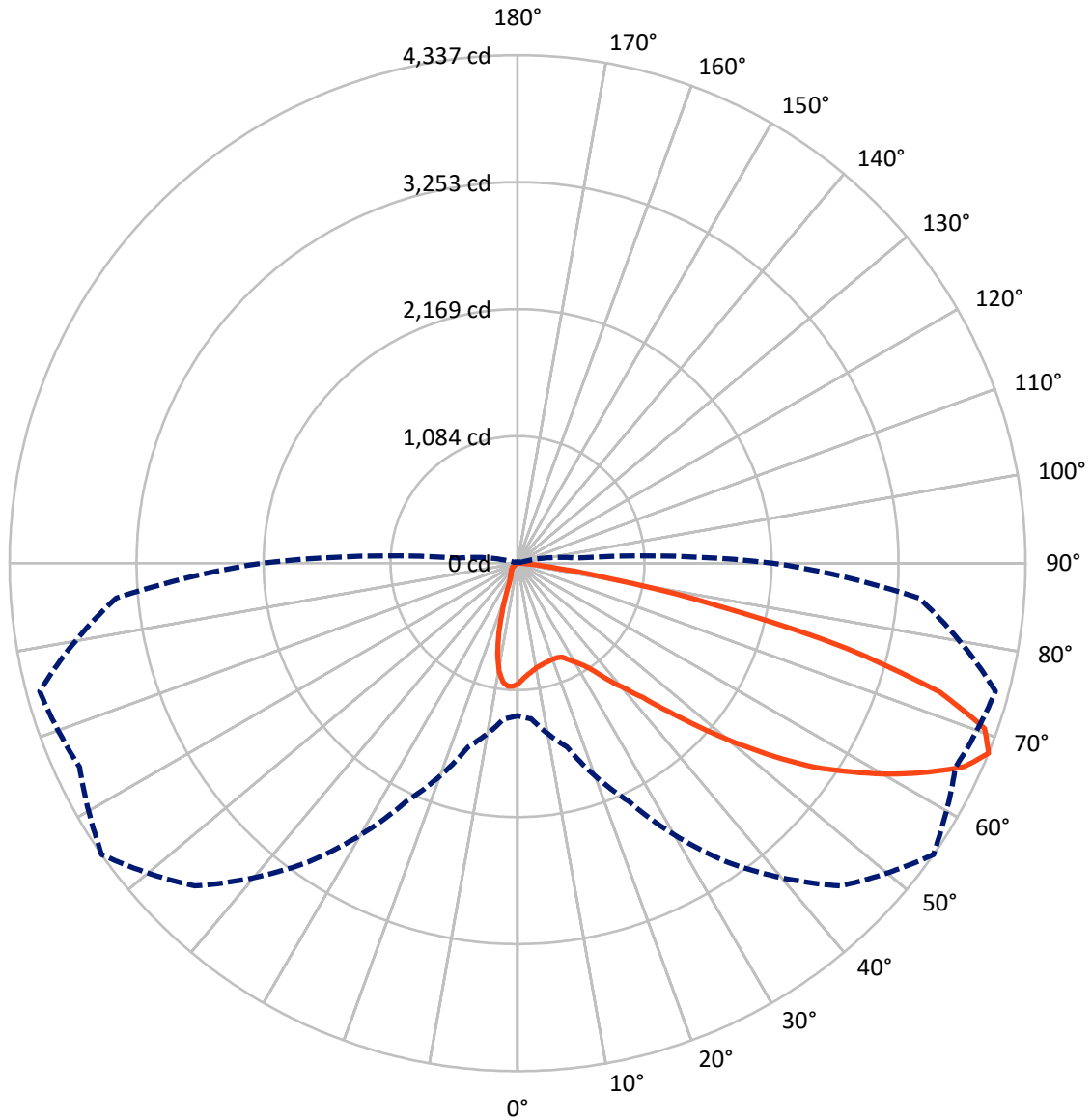
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 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	538.7	0.0	538.7
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5458.2	0.0	5458.2
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	5996.9	0.0	5996.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	1.5
10°-20°	205.4	3.4
20°-30°	329.5	5.5
30°-40°	571.4	9.5
40°-50°	952.8	15.9
50°-60°	1393.3	23.2
60°-70°	1624.6	27.1
70°-80°	788.4	13.1
80°-90°	41.2	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°	5996.9	100.0
0°-180°	5996.9	100.0



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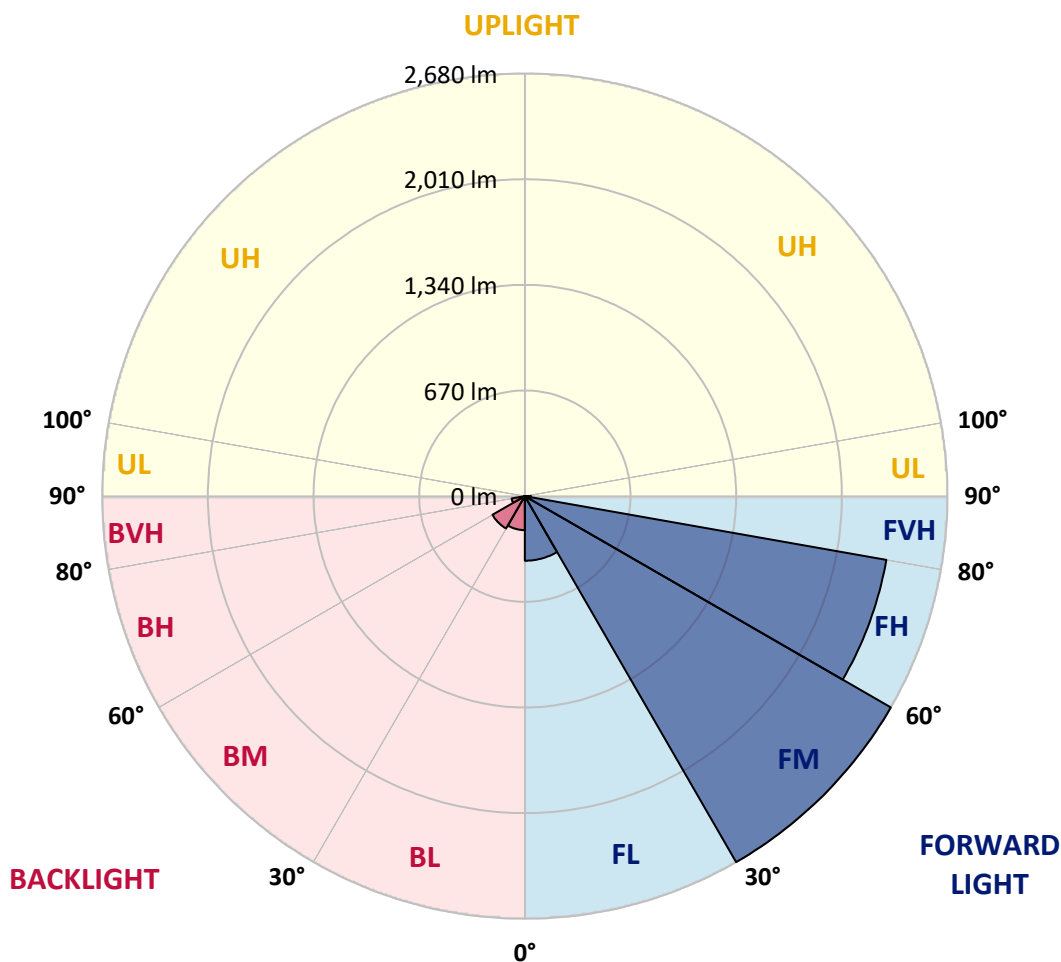
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.7	6.8			
FM (30°-60°)	2680.4	44.7			
FH (60°-80°)	2328.1	38.8			G2/5000
FVH (80°-90°)	40.0	0.7			G1/100
BL (0°-30°)	215.4	3.6	B1/500		
BM (30°-60°)	237.2	4.0	B1/1000		
BH (60°-80°)	85.0	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°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7
2.5°	948.7	954.8	962.5	965.3	974.7	987.9	984.0	981.3	996.2	1016.6	1023.3
5°	889.6	890.1	902.3	911.1	927.1	939.8	953.7	952.6	979.6	1014.4	1036.5
7.5°	831.6	832.7	845.4	859.2	882.4	907.2	928.2	927.1	970.8	1017.2	1059.2
10°	755.3	760.8	776.3	800.6	837.1	876.3	905.6	908.4	960.8	1027.7	1090.1
12.5°	694.0	696.7	713.9	745.4	788.5	839.8	894.5	892.9	963.1	1047.0	1130.5
15°	668.0	666.3	676.8	700.0	749.2	813.9	883.5	887.4	970.8	1069.1	1172.5
17.5°	674.1	672.4	677.9	686.2	721.0	792.3	877.4	884.0	982.9	1092.3	1211.7
20°	741.5	729.9	719.9	711.1	716.1	774.6	873.5	880.7	990.1	1110.0	1253.1
22.5°	871.3	857.0	830.4	781.3	748.7	775.7	874.6	884.0	1006.1	1138.8	1303.4
25°	1083.0	1069.1	1012.2	911.7	825.5	815.5	889.6	899.5	1043.2	1182.4	1357.0
27.5°	1363.1	1332.1	1263.1	1118.9	952.6	879.1	934.3	945.4	1095.7	1216.1	1393.5
30°	1595.7	1588.5	1522.2	1345.4	1127.7	972.4	984.6	990.7	1119.4	1236.6	1429.9
32.5°	1837.1	1822.2	1761.5	1589.6	1331.0	1105.6	1041.0	1043.7	1150.4	1266.9	1483.0
35°	2047.1	2033.3	1982.5	1815.6	1568.6	1284.6	1134.3	1128.3	1214.5	1333.8	1554.8
37.5°	2241.6	2239.9	2195.2	2025.0	1781.9	1470.3	1271.9	1266.9	1314.5	1407.3	1652.1
40°	2431.7	2427.2	2389.1	2233.9	1991.9	1655.4	1402.9	1390.2	1399.5	1510.1	1780.2
42.5°	2548.2	2557.6	2570.9	2472.6	2241.0	1872.5	1568.6	1560.9	1559.2	1670.8	1948.8
45°	2611.2	2627.8	2705.7	2696.9	2505.2	2142.7	1804.5	1784.7	1778.0	1891.8	2141.6
47.5°	2672.6	2679.7	2807.4	2861.0	2758.2	2424.5	2089.7	2062.0	2035.0	2161.5	2372.0
50°	2676.4	2688.0	2846.1	2976.5	2970.4	2701.9	2409.6	2385.3	2354.3	2489.7	2596.9
52.5°	2622.3	2645.5	2841.1	3049.4	3101.9	2946.6	2741.6	2721.7	2696.3	2797.4	2786.4
55°	2248.2	2287.5	2743.8	3056.0	3194.2	3156.6	3075.4	3047.7	3022.9	3094.7	2972.0
57.5°	2070.3	2092.4	2448.8	3051.0	3311.8	3351.1	3364.9	3352.2	3317.4	3406.9	3166.0
60°	1963.7	1995.7	2307.9	2995.8	3438.9	3571.0	3657.7	3632.3	3589.8	3713.0	3373.7
62.5°	1836.0	1859.2	2167.6	2836.7	3514.6	3794.7	3932.3	3909.1	3821.3	3995.3	3541.7
65°	1600.7	1635.5	1944.3	2586.4	3413.0	3958.8	4190.9	4183.2	4030.7	4208.6	3587.5
67.5°	1302.9	1334.3	1622.2	2243.3	3115.7	3897.5	4337.3	4313.0	4125.7	4224.6	3442.2
70°	978.0	995.1	1212.2	1713.9	2552.7	3569.9	4231.2	4226.3	3981.5	3987.0	2996.3
72.5°	524.9	572.4	806.1	1147.0	1795.2	2891.4	3771.0	3751.1	3552.2	3265.4	2154.8
75°	183.4	197.3	429.3	644.2	975.2	1926.1	2899.7	2853.2	2656.5	2123.9	1174.1
77.5°	112.7	123.8	190.6	329.3	379.6	836.0	1742.1	1681.9	1554.8	918.3	401.1
80°	77.9	87.9	127.6	172.4	129.3	270.7	801.7	779.1	599.5	218.8	92.3
82.5°	43.6	52.5	96.7	84.5	51.9	70.2	277.9	257.5	159.7	59.1	30.9
85°	25.4	30.4	68.0	59.7	26.5	24.9	72.4	64.6	41.4	22.1	14.9
87.5°	13.3	17.1	49.7	39.8	16.0	8.8	16.6	16.0	10.5	7.7	9.9
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°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7
2.5°	1035.4	1032.7	1047.0	1052.0	1050.9	1048.7	1054.2	1047.0	1046.5	1044.8	1043.2
5°	1054.2	1058.6	1070.2	1070.2	1054.8	1029.4	1013.9	992.9	975.2	964.7	963.1
7.5°	1082.4	1091.2	1099.0	1075.2	1022.2	959.2	892.3	839.8	794.0	770.2	768.0
10°	1122.2	1130.5	1124.4	1056.4	942.6	812.2	703.4	594.0	539.3	509.4	509.4
12.5°	1169.7	1176.3	1139.3	1009.5	811.7	622.7	477.4	362.5	307.8	272.4	270.2
15°	1221.1	1222.7	1137.1	927.7	649.8	418.3	274.1	201.1	177.9	172.9	171.8
17.5°	1265.8	1259.2	1113.9	806.7	468.0	249.2	174.0	157.5	153.0	153.0	153.0
20°	1307.8	1285.7	1067.5	665.8	300.0	169.6	149.7	145.3	145.3	145.9	145.9
22.5°	1354.2	1310.6	1001.2	509.4	192.8	145.3	140.3	138.1	137.6	139.2	138.7
25°	1408.9	1334.9	906.1	352.0	149.2	135.4	133.2	130.9	130.9	130.9	130.9
27.5°	1439.3	1331.6	797.8	222.1	130.4	125.4	123.2	121.0	119.3	118.8	119.3
30°	1465.9	1312.2	656.4	155.3	117.7	112.2	110.5	107.7	104.4	103.3	103.3
32.5°	1500.7	1296.2	508.3	124.9	106.6	100.6	95.6	91.2	85.6	83.4	82.9
35°	1539.3	1266.9	372.4	110.0	96.7	89.0	81.2	74.0	66.9	64.6	64.1
37.5°	1587.4	1240.4	252.5	101.7	88.4	79.0	68.5	58.6	51.9	50.8	50.8
40°	1652.6	1218.3	174.6	94.5	80.7	69.6	56.9	46.4	42.0	40.9	40.9
42.5°	1741.6	1200.1	132.1	88.4	74.0	60.2	45.9	38.1	34.8	33.7	33.7
45°	1846.5	1171.9	111.6	82.9	67.4	50.8	38.1	32.0	30.4	30.4	30.4
47.5°	1967.0	1136.5	101.7	77.4	60.2	41.4	32.0	29.3	28.7	28.7	29.3
50°	2088.5	1094.6	94.5	70.7	51.9	35.4	29.3	27.6	27.6	28.2	28.2
52.5°	2170.9	1028.8	87.3	63.5	43.6	30.9	27.6	27.1	26.5	26.5	26.5
55°	2251.0	971.3	77.4	55.8	36.5	28.7	26.5	26.0	26.0	25.4	25.4
57.5°	2334.4	926.0	64.6	46.4	30.9	27.1	25.4	25.4	24.3	23.8	23.8
60°	2431.1	886.3	49.7	36.5	27.1	25.4	23.8	23.2	22.1	21.0	21.0
62.5°	2459.3	802.3	37.6	29.3	23.2	22.1	21.5	20.4	17.7	15.5	16.0
65°	2385.8	670.2	29.8	23.2	18.8	18.8	17.1	14.4	11.6	9.9	9.9
67.5°	2183.0	500.6	24.3	18.2	14.9	14.4	12.2	10.5	7.2	6.1	6.1
70°	1799.0	331.0	19.9	14.4	12.2	9.9	8.3	7.7	5.5	4.4	4.4
72.5°	1260.9	179.6	16.6	11.6	8.8	6.6	5.5	5.0	3.9	3.3	2.8
75°	665.8	69.1	13.3	8.8	5.5	4.4	3.3	3.3	2.8	2.2	2.2
77.5°	228.2	29.3	9.4	5.0	3.9	2.8	2.2	1.7	2.2	1.7	1.7
80°	54.1	17.1	6.1	3.3	2.2	1.7	1.7	1.1	1.1	1.1	1.1
82.5°	23.8	9.9	3.9	2.2	2.2	1.7	1.1	0.6	0.6	0.6	0.6
85°	16.0	6.1	2.8	2.2	1.7	1.1	0.6	0.6	0.0	0.0	0.0
87.5°	12.7	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)