

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: P674546

Luminaire Tested: **CCP-SA-2E-730-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674546
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

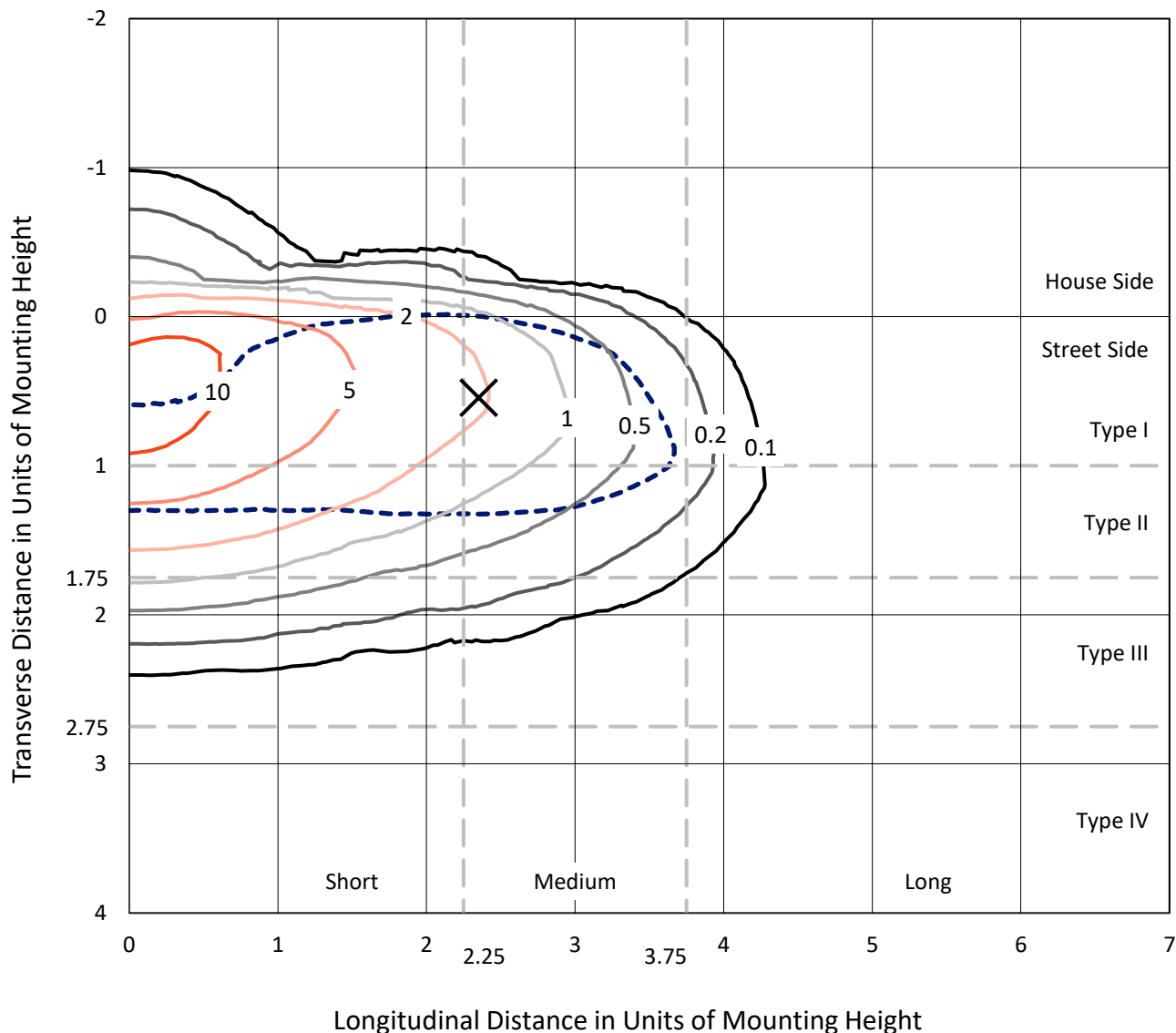
Lumens per Lamp: N/A
Luminaire Lumens: 10081.4 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

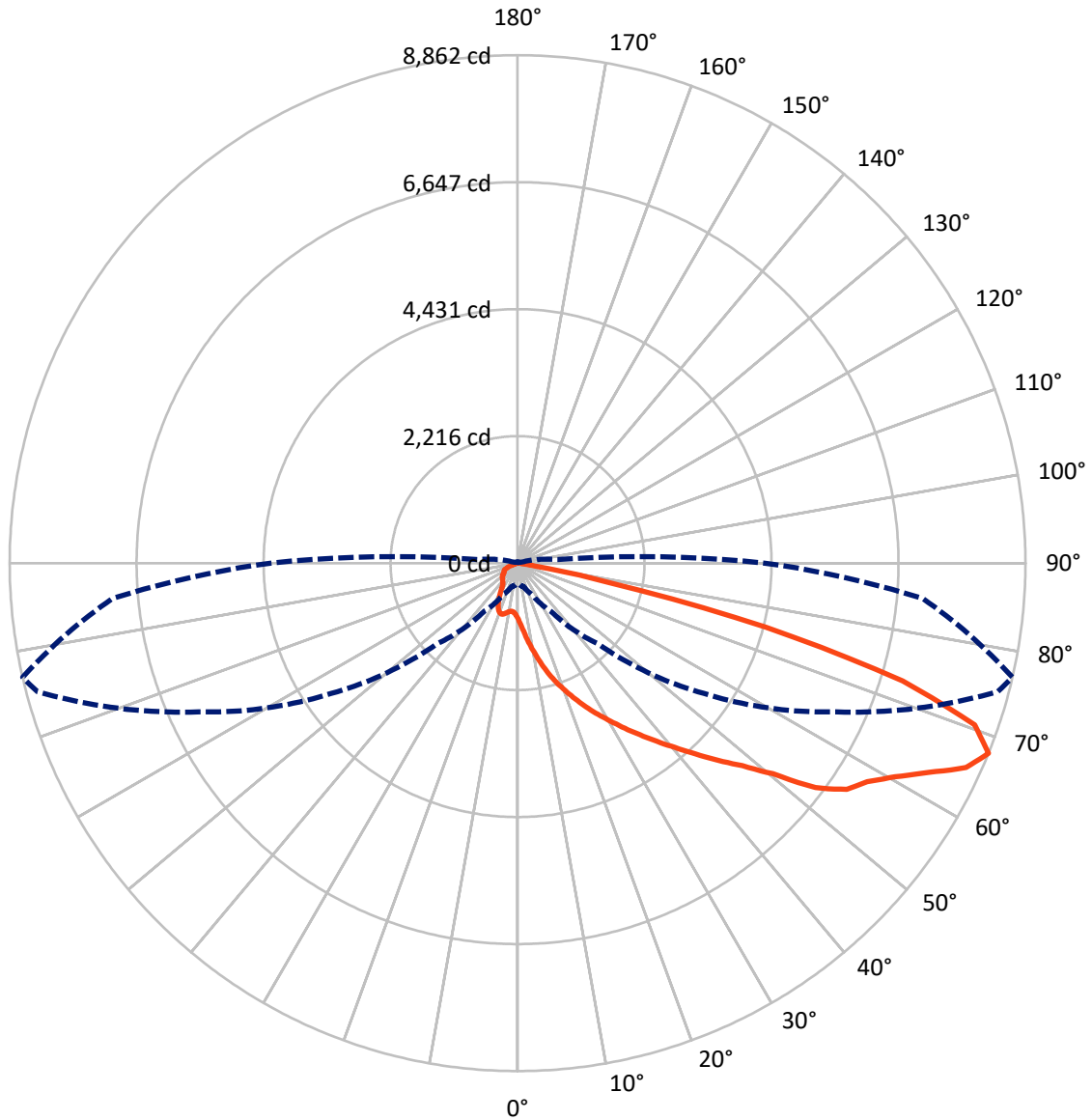
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.0	0.0	630.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	9451.4	0.0	9451.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	10081.4	0.0	10081.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.1
10°-20°	419.7	4.2
20°-30°	819.9	8.1
30°-40°	1433.4	14.2
40°-50°	2090.5	20.7
50°-60°	2444.5	24.2
60°-70°	1981.6	19.7
70°-80°	744.4	7.4
80°-90°	33.8	0.3
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°	10081.4	100.0
0°-180°	10081.4	100.0



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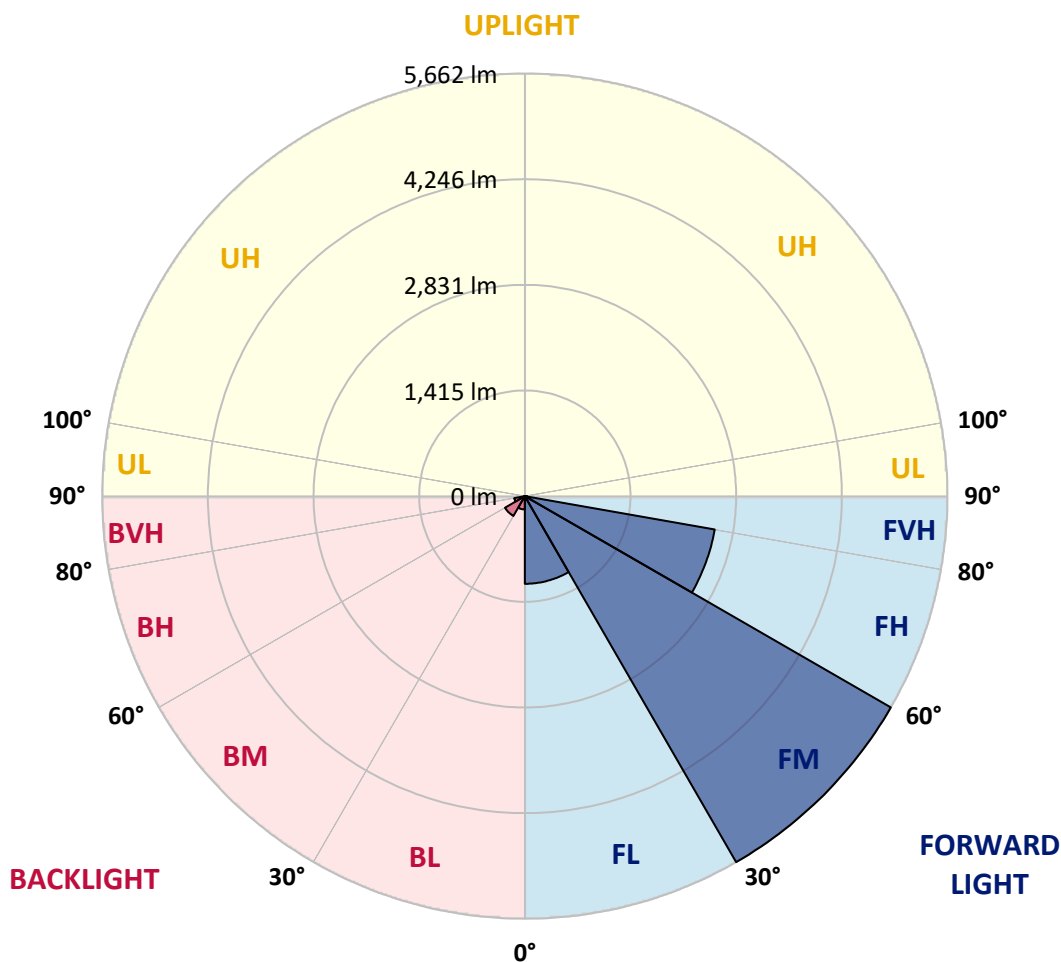
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1174.4	11.6			
FM (30°-60°)	5661.9	56.2			
FH (60°-80°)	2583.2	25.6			G2/5000
FVH (80°-90°)	31.9	0.3			G1/100
BL (0°-30°)	178.7	1.8	B1/500		
BM (30°-60°)	306.5	3.0	B1/1000		
BH (60°-80°)	142.9	1.4	B1/500		G1/500
BVH (80°-90°)	2.0	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6
2.5°	1449.8	1397.0	1407.0	1385.2	1356.9	1291.4	1222.2	1153.1	1091.2	1077.5	1015.7
5°	1856.6	1840.2	1822.9	1808.3	1749.2	1667.3	1542.6	1384.2	1241.4	1216.8	1088.5
7.5°	2172.4	2147.8	2163.3	2118.7	2056.8	1977.6	1819.3	1650.0	1429.7	1393.3	1194.0
10°	2405.4	2391.7	2399.0	2378.1	2348.0	2268.9	2112.3	1900.3	1645.4	1576.3	1312.3
12.5°	2580.1	2582.8	2614.7	2616.5	2591.9	2527.3	2361.7	2140.5	1841.1	1779.2	1443.4
15°	2707.5	2710.2	2749.4	2791.2	2819.5	2785.8	2635.6	2388.1	2071.4	1986.7	1580.8
17.5°	2728.4	2730.3	2799.4	2884.1	2971.4	3000.6	2885.0	2633.8	2281.6	2185.1	1738.3
20°	2742.1	2757.6	2819.5	2916.8	3055.2	3145.3	3082.5	2869.5	2485.5	2373.5	1893.0
22.5°	2907.7	2907.7	2944.1	3013.3	3123.4	3264.5	3251.7	3086.1	2683.9	2572.8	2046.8
25°	3259.0	3259.0	3223.5	3205.3	3264.5	3375.5	3407.4	3317.3	2910.5	2779.4	2208.8
27.5°	3724.1	3724.1	3668.6	3534.8	3483.8	3530.2	3563.9	3518.4	3119.8	2990.6	2379.9
30°	4206.4	4222.8	4126.3	3956.2	3777.8	3742.3	3709.5	3699.5	3342.8	3197.1	2553.7
32.5°	4690.6	4688.8	4568.6	4356.6	4123.6	3998.0	3891.5	3879.7	3579.4	3436.5	2718.4
35°	5077.4	5078.3	4951.8	4734.3	4464.9	4304.7	4133.6	4078.1	3838.8	3679.5	2915.0
37.5°	5412.3	5393.2	5256.7	5050.1	4798.9	4633.3	4420.3	4275.6	4107.2	3945.2	3111.6
40°	5604.3	5578.8	5446.0	5249.4	5059.2	4932.7	4745.2	4514.0	4402.1	4227.4	3335.5
42.5°	5632.5	5610.7	5522.4	5404.1	5248.5	5137.4	5087.4	4783.4	4711.5	4553.2	3603.0
45°	5553.4	5517.9	5488.7	5426.9	5383.2	5329.5	5397.7	5070.1	5066.5	4909.0	3867.9
47.5°	5356.8	5308.5	5315.8	5384.1	5433.2	5481.5	5694.4	5446.0	5424.1	5276.7	4215.5
50°	5021.0	4997.3	5077.4	5212.1	5406.8	5599.8	5990.2	5830.0	5916.5	5778.2	4695.1
52.5°	4338.4	4367.5	4606.9	4930.9	5267.6	5655.3	6267.8	6403.4	6624.5	6510.8	5177.5
55°	3519.3	3508.4	3827.8	4403.0	4940.9	5619.8	6388.8	6741.0	7088.7	6969.5	5446.0
57.5°	2834.9	2854.0	3069.7	3638.5	4386.6	5345.9	6417.0	6917.6	7275.2	7196.1	5694.4
60°	2127.8	2146.0	2342.6	2837.7	3649.5	4774.3	6184.1	6979.5	7625.6	7565.6	6091.2
62.5°	1354.2	1377.9	1575.4	2056.8	2789.4	3886.1	5660.7	6914.9	7991.5	8041.5	6632.7
65°	666.2	687.1	832.7	1201.3	1864.8	2905.9	4930.9	6668.2	8457.5	8600.3	7066.8
67.5°	368.6	378.6	428.7	611.6	1040.2	1993.1	3962.5	6141.3	8671.3	8862.4	7096.0
70°	286.7	289.4	308.5	356.8	506.9	1169.5	2818.5	5264.0	8228.1	8459.3	6505.3
72.5°	241.2	244.8	253.9	270.3	316.7	608.8	1771.0	4068.1	6923.0	7027.7	5032.8
75°	176.6	182.0	207.5	222.1	250.3	369.5	780.9	2444.5	4575.0	4472.2	2815.8
77.5°	148.3	152.9	159.3	180.2	206.6	252.1	273.9	1024.8	1862.0	1619.0	739.0
80°	101.0	106.5	123.8	134.7	174.7	166.5	113.8	274.8	374.0	304.9	142.0
82.5°	71.9	76.4	85.5	110.1	126.5	88.3	61.9	83.7	90.1	85.5	46.4
85°	22.8	29.1	61.9	91.0	68.3	30.0	39.1	31.9	28.2	27.3	18.2
87.5°	4.6	4.6	30.9	36.4	27.3	15.5	13.7	10.0	12.7	12.7	10.0
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°	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6
2.5°	986.5	945.6	886.4	830.9	774.5	734.4	706.2	678.0	667.1	662.5	650.7
5°	1030.2	952.0	834.6	739.9	670.7	627.1	600.7	577.9	563.3	558.8	552.4
7.5°	1093.0	980.2	811.8	702.6	633.4	586.1	543.3	494.2	455.0	439.6	433.2
10°	1161.3	1022.9	815.4	695.3	603.4	499.6	404.1	324.9	290.3	277.6	268.5
12.5°	1261.4	1070.3	830.9	687.1	513.3	356.8	258.5	225.7	217.5	215.7	213.9
15°	1361.5	1136.7	856.4	632.5	383.1	243.0	214.8	202.9	198.4	193.8	193.8
17.5°	1462.5	1200.4	866.4	526.0	264.8	210.2	195.7	185.7	178.4	174.7	172.0
20°	1576.3	1267.8	837.3	395.9	212.1	192.0	175.6	163.8	157.4	153.8	151.1
22.5°	1699.1	1334.2	773.6	275.8	192.9	172.9	157.4	145.6	139.2	135.6	134.7
25°	1814.7	1391.5	671.6	207.5	173.8	154.7	140.2	130.1	125.6	122.0	121.0
27.5°	1933.9	1440.7	538.8	182.9	158.4	140.2	125.6	117.4	112.9	110.1	109.2
30°	2050.4	1474.3	401.3	167.5	144.7	126.5	113.8	107.4	102.8	100.1	99.2
32.5°	2170.6	1493.5	271.2	153.8	131.1	114.7	103.8	97.4	94.6	91.9	91.9
35°	2286.1	1490.7	195.7	141.1	120.1	103.8	93.7	89.2	88.3	85.5	85.5
37.5°	2412.6	1471.6	166.5	129.2	108.3	93.7	85.5	82.8	81.9	80.1	79.2
40°	2556.4	1428.8	152.0	120.1	98.3	85.5	78.3	76.4	75.5	73.7	73.7
42.5°	2713.9	1373.3	143.8	110.1	90.1	77.4	71.9	69.2	68.3	66.4	66.4
45°	2896.8	1320.5	138.3	100.1	82.8	71.0	65.5	62.8	61.9	60.1	60.1
47.5°	3146.2	1290.5	129.2	91.0	74.6	64.6	59.2	57.3	55.5	53.7	53.7
50°	3489.3	1255.0	117.4	81.9	68.3	58.2	54.6	51.9	51.0	49.1	49.1
52.5°	3771.4	1179.5	105.6	72.8	61.0	53.7	50.1	48.2	46.4	45.5	45.5
55°	3870.6	1091.2	93.7	65.5	55.5	50.1	46.4	44.6	43.7	42.8	42.8
57.5°	4029.0	1063.0	82.8	58.2	50.1	46.4	42.8	41.9	41.0	40.0	39.1
60°	4299.3	1079.4	72.8	51.9	45.5	41.9	39.1	38.2	36.4	34.6	34.6
62.5°	4561.4	1059.3	61.9	45.5	39.1	37.3	34.6	32.8	29.1	26.4	24.6
65°	4625.1	925.6	53.7	38.2	32.8	30.9	28.2	24.6	19.1	15.5	15.5
67.5°	4316.5	703.5	46.4	32.8	27.3	25.5	20.0	16.4	11.8	9.1	9.1
70°	3562.1	445.9	38.2	25.5	22.8	17.3	12.7	11.8	8.2	7.3	6.4
72.5°	2570.1	243.9	31.9	20.9	16.4	10.9	9.1	7.3	5.5	3.6	3.6
75°	1301.4	114.7	23.7	16.4	10.9	7.3	5.5	3.6	3.6	2.7	2.7
77.5°	368.6	52.8	15.5	10.9	7.3	4.6	3.6	2.7	2.7	1.8	1.8
80°	72.8	26.4	10.0	7.3	5.5	3.6	2.7	1.8	1.8	0.9	0.9
82.5°	26.4	13.7	7.3	5.5	4.6	3.6	1.8	0.9	0.9	0.0	0.0
85°	13.7	7.3	5.5	4.6	3.6	2.7	1.8	0.9	0.0	0.0	0.0
87.5°	7.3	5.5	4.6	4.6	3.6	2.7	1.8	0.9	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)