

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: P672119

Luminaire Tested: **CCP-SA-2D-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672119
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

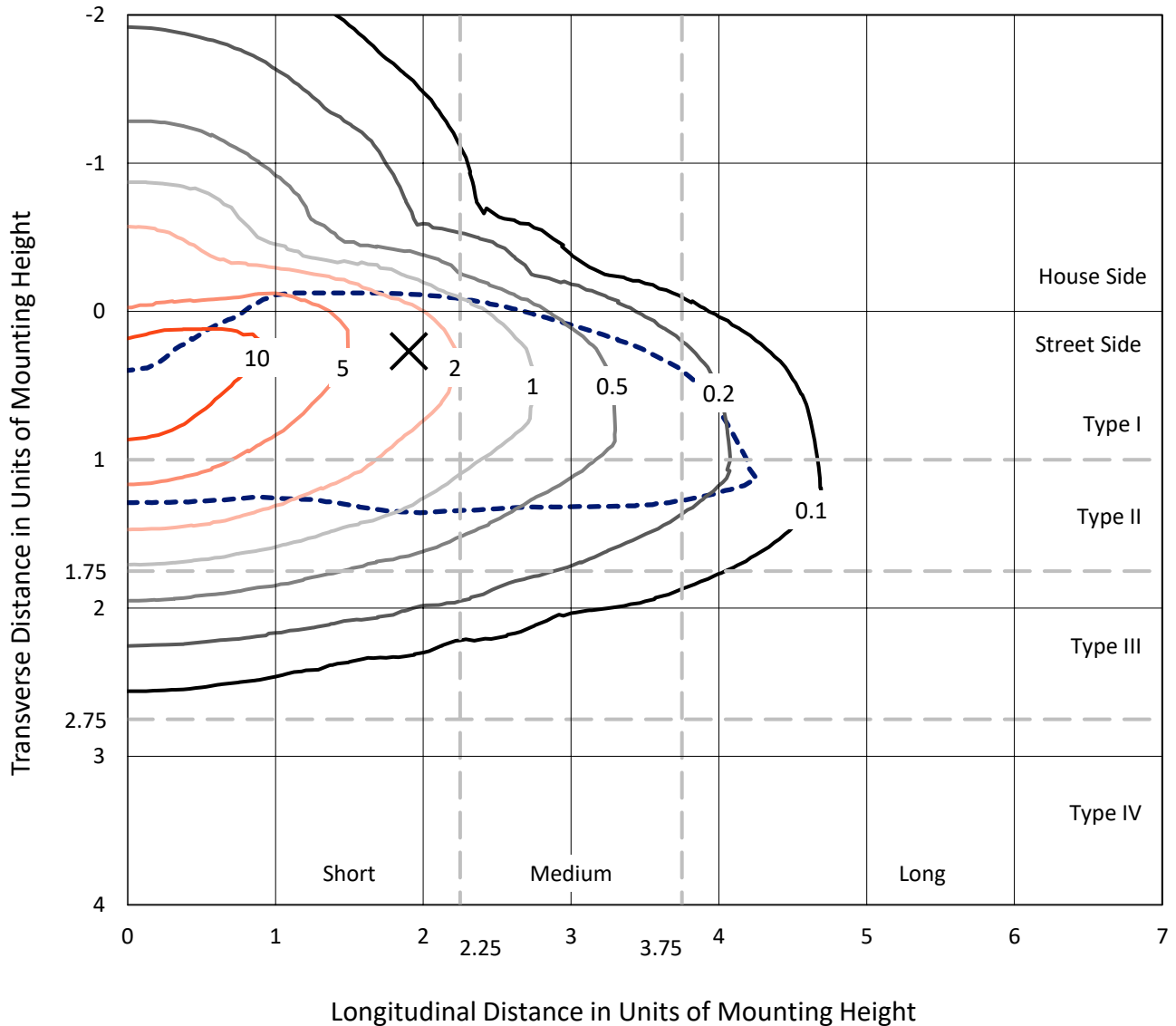
Lumens per Lamp: N/A
Luminaire Lumens: 11328.6 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

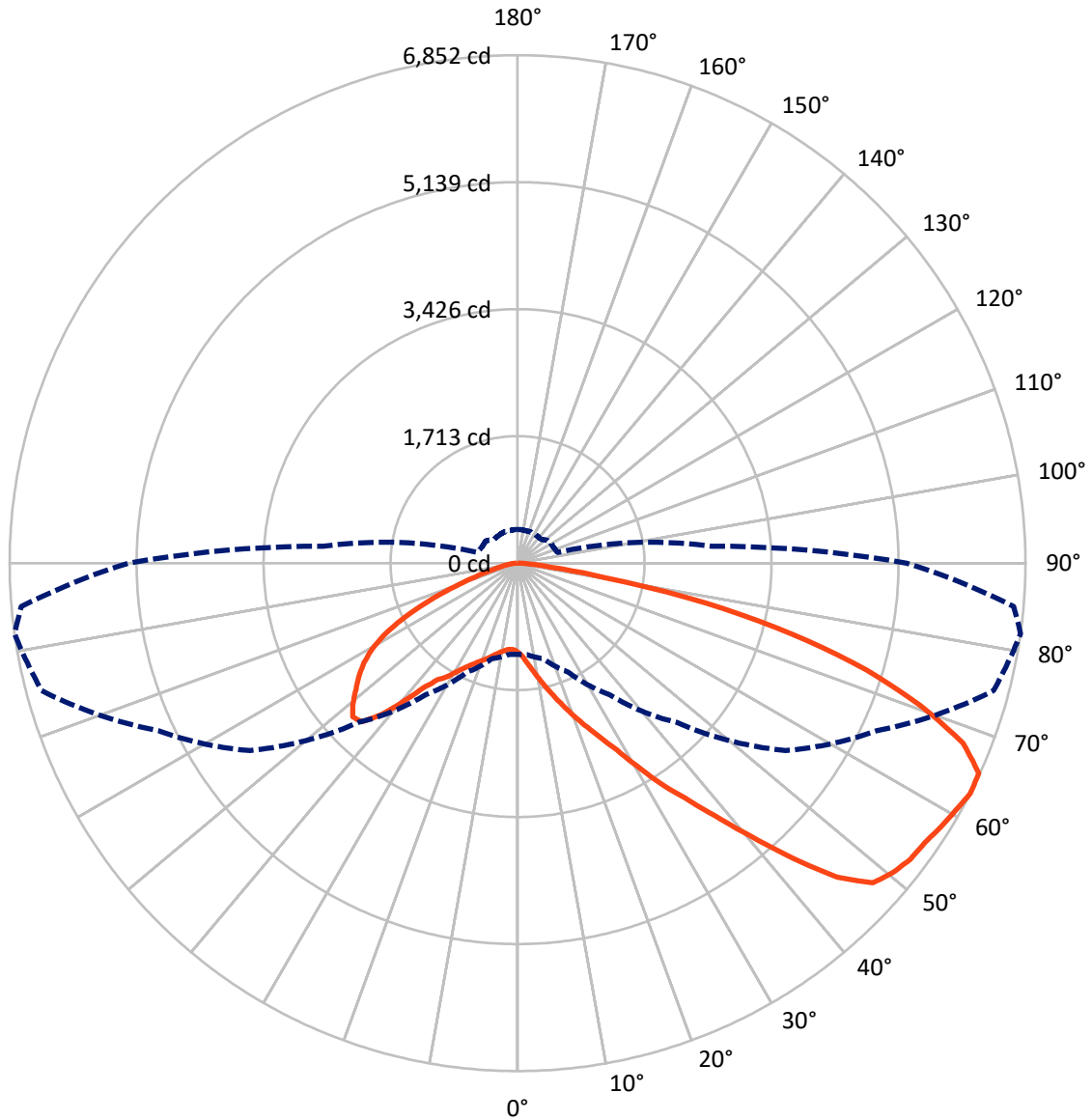
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2134.3	0.0	2134.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	9194.3	0.0	9194.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	11328.6	0.0	11328.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	1.2
10°-20°	502.8	4.4
20°-30°	1041.3	9.2
30°-40°	1767.4	15.6
40°-50°	2406.8	21.2
50°-60°	2436.2	21.5
60°-70°	1920.0	16.9
70°-80°	945.8	8.3
80°-90°	175.0	1.5
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°	11328.6	100.0
0°-180°	11328.6	100.0



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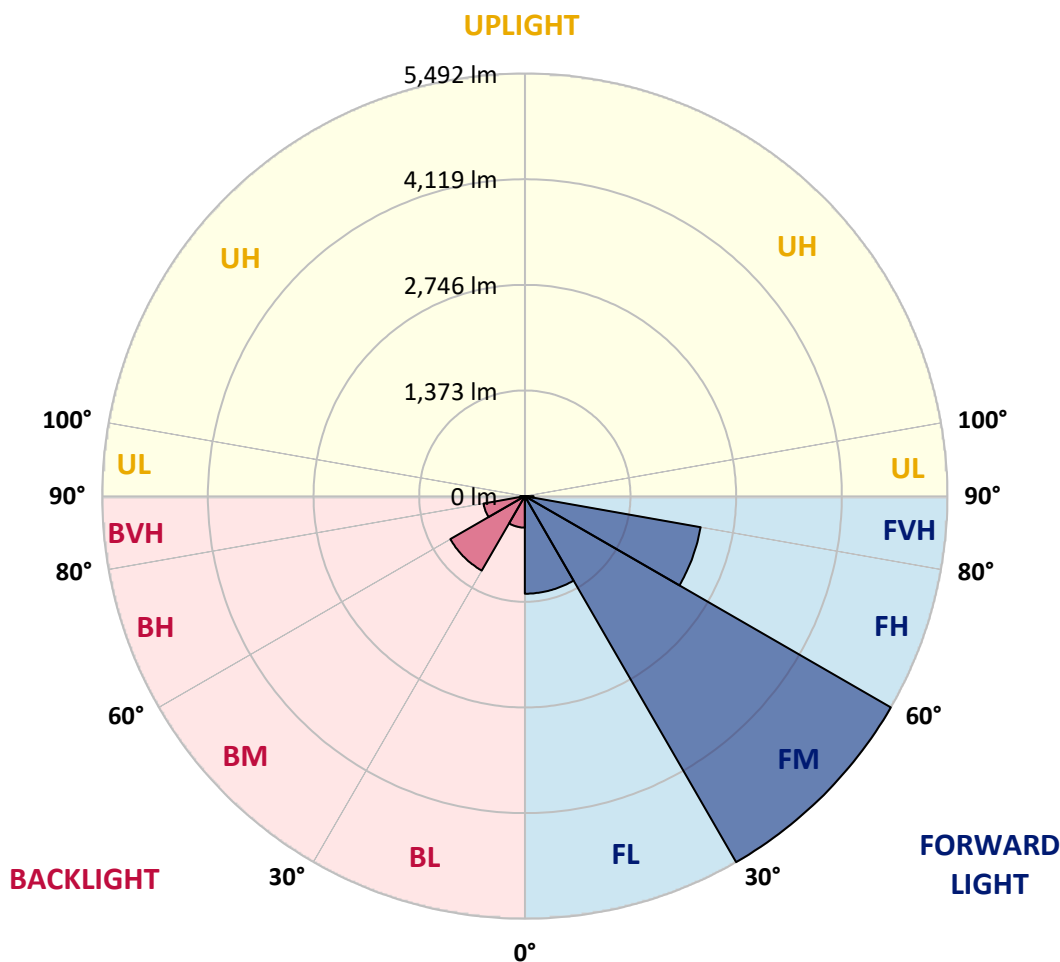
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.9	11.2			
FM (30°-60°)	5492.5	48.5			
FH (60°-80°)	2320.3	20.5			G2/5000
FVH (80°-90°)	113.7	1.0			G2/225
BL (0°-30°)	409.5	3.6	B1/500		
BM (30°-60°)	1117.9	9.9	B2/2500		
BH (60°-80°)	545.6	4.8	B2/1000		G2/1000
BVH (80°-90°)	61.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7
2.5°	1604.4	1579.9	1566.9	1552.2	1511.4	1485.3	1436.4	1379.3	1313.2	1256.9	1246.3
5°	1942.9	1918.4	1921.7	1885.8	1826.2	1770.8	1679.4	1571.8	1446.2	1349.9	1316.5
7.5°	2181.9	2155.0	2161.5	2146.8	2098.7	2037.5	1921.7	1783.0	1599.5	1456.8	1402.9
10°	2341.7	2345.0	2349.9	2344.2	2313.2	2270.0	2155.0	2001.6	1773.2	1583.2	1509.8
12.5°	2522.8	2531.8	2530.2	2532.6	2516.3	2482.0	2369.5	2225.1	1958.4	1719.4	1624.0
15°	2753.6	2744.7	2752.0	2762.6	2744.7	2707.1	2607.6	2436.4	2152.5	1871.1	1752.8
17.5°	3006.5	2987.7	3007.3	2996.7	2983.7	2959.2	2849.9	2667.2	2353.2	2035.1	1896.4
20°	3225.1	3212.9	3223.5	3225.1	3227.5	3222.6	3110.1	2916.0	2563.6	2213.7	2051.4
22.5°	3470.6	3464.9	3463.3	3464.1	3466.5	3472.2	3395.6	3188.4	2796.9	2401.3	2218.6
25°	3814.0	3808.3	3770.8	3729.2	3704.7	3722.6	3682.7	3497.5	3054.6	2611.7	2402.1
27.5°	4199.0	4190.0	4140.2	4035.0	3956.7	3969.8	3965.7	3838.5	3351.5	2853.1	2622.3
30°	4598.6	4576.6	4508.1	4360.5	4237.3	4214.5	4225.9	4183.5	3725.1	3173.7	2929.0
32.5°	4955.1	4914.3	4823.8	4674.5	4527.7	4461.6	4463.2	4482.0	4131.3	3547.3	3250.4
35°	5172.9	5145.9	5078.2	4927.4	4763.4	4719.4	4707.1	4800.9	4504.0	3893.1	3538.3
37.5°	5290.3	5264.2	5191.6	5070.1	4946.1	4928.2	4951.0	5096.2	4927.4	4324.6	3929.8
40°	5269.1	5241.4	5194.1	5109.2	5027.7	5041.5	5142.7	5367.0	5389.8	4840.9	4487.7
42.5°	5094.6	5065.2	5061.1	5055.4	5017.1	5078.2	5261.0	5565.2	5814.8	5437.1	5163.1
45°	4786.2	4768.3	4789.5	4887.4	4935.5	5053.8	5316.4	5661.4	6188.4	6043.2	5801.7
47.5°	4395.5	4384.9	4433.1	4588.0	4743.8	4978.7	5353.1	5687.5	6445.3	6445.3	6220.2
50°	3958.4	3954.3	4017.9	4243.0	4486.9	4840.9	5349.0	5712.0	6557.8	6563.5	6367.8
52.5°	3348.3	3369.5	3539.1	3836.0	4167.2	4624.7	5291.9	5780.5	6621.5	6634.5	6466.5
55°	2645.2	2665.5	2921.7	3321.3	3745.5	4362.1	5121.5	5760.1	6633.7	6663.1	6522.8
57.5°	2111.7	2115.8	2275.7	2750.4	3275.7	4026.1	4924.9	5624.7	6597.8	6725.9	6609.2
60°	1652.5	1665.6	1772.4	2148.4	2730.8	3592.9	4705.5	5491.0	6618.2	6785.4	6687.5
62.5°	1230.8	1234.1	1333.6	1624.8	2169.6	3040.7	4407.8	5348.2	6646.7	6852.3	6719.3
65°	801.8	801.0	897.2	1159.9	1620.7	2444.5	3940.4	5124.7	6649.2	6837.6	6573.3
67.5°	509.8	513.0	554.6	720.2	1084.8	1845.0	3304.2	4709.6	6533.4	6482.0	6041.5
70°	413.5	414.4	427.4	470.6	660.7	1261.0	2483.7	4060.3	6167.1	5773.2	5251.2
72.5°	368.7	369.5	376.0	380.9	440.5	757.7	1629.7	3296.9	5516.3	4920.8	4356.4
75°	331.2	331.2	335.2	330.3	361.3	475.5	924.9	2478.8	4543.2	3831.9	3291.2
77.5°	290.4	289.6	289.6	287.1	312.4	347.5	463.3	1730.0	3272.4	2613.3	2134.6
80°	246.3	244.7	247.1	245.5	270.0	263.5	270.0	1067.7	1774.0	1198.2	908.6
82.5°	191.7	191.7	199.0	200.7	222.7	190.9	190.0	506.5	673.7	447.8	335.2
85°	100.3	112.6	151.7	158.2	168.0	119.9	139.5	236.5	270.0	171.3	122.3
87.5°	30.2	31.8	93.0	104.4	103.6	60.4	85.6	114.2	126.4	75.9	49.8
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°	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7
2.5°	1219.4	1190.9	1130.5	1076.7	1035.9	996.7	969.8	955.9	938.0	940.4	934.7
5°	1256.9	1198.2	1091.3	1004.9	947.0	902.9	876.0	862.1	849.1	842.6	847.5
7.5°	1313.2	1221.8	1072.6	968.2	907.8	870.3	855.6	851.5	848.3	845.8	849.9
10°	1385.8	1263.4	1069.3	955.1	899.7	876.8	871.1	868.7	865.4	862.1	864.6
12.5°	1460.0	1309.1	1080.7	958.4	912.7	895.6	888.2	885.0	876.8	872.7	873.6
15°	1553.0	1364.6	1096.2	971.4	929.8	907.8	898.0	889.1	876.0	870.3	872.7
17.5°	1652.5	1430.7	1117.4	983.7	936.4	909.5	889.9	876.8	863.8	855.6	856.4
20°	1765.1	1495.9	1136.2	987.8	933.1	895.6	871.9	856.4	839.3	830.3	827.9
22.5°	1881.7	1564.4	1150.9	984.5	915.2	871.9	845.0	826.3	805.9	792.0	792.8
25°	2023.6	1657.4	1163.1	973.1	891.5	840.9	810.8	787.1	765.9	752.8	753.7
27.5°	2194.1	1762.6	1177.8	955.1	863.0	807.5	772.4	748.8	728.4	716.1	714.5
30°	2421.7	1899.7	1194.1	933.1	827.1	770.8	736.5	712.1	692.5	681.1	681.1
32.5°	2677.8	2066.9	1205.5	907.0	787.1	731.6	700.6	681.1	666.4	650.9	649.3
35°	2900.5	2196.6	1240.6	886.6	752.0	694.9	673.7	659.9	637.8	623.2	620.7
37.5°	3227.5	2424.9	1344.2	880.9	709.6	666.4	662.3	636.2	610.9	583.2	580.7
40°	3754.4	2820.5	1464.9	853.2	665.6	650.9	646.8	611.7	552.2	535.1	531.8
42.5°	4424.9	3296.9	1478.0	772.4	634.6	637.8	625.6	557.1	531.0	517.9	514.7
45°	5030.1	3683.5	1403.7	690.0	611.7	618.3	593.0	536.7	522.0	509.8	506.5
47.5°	5370.3	3802.6	1263.4	628.1	594.6	601.1	540.8	526.9	512.2	500.0	496.7
50°	5465.7	3699.0	1100.3	592.2	581.6	584.0	526.9	518.8	505.7	495.9	491.0
52.5°	5484.4	3544.0	949.4	571.0	571.8	549.7	514.7	508.2	500.0	484.5	478.8
55°	5492.6	3404.5	814.0	557.9	565.2	505.7	501.6	496.7	490.2	473.9	470.6
57.5°	5513.8	3225.9	708.0	548.1	557.1	485.3	486.9	483.7	475.5	468.2	466.6
60°	5453.4	2978.8	626.4	538.3	545.7	468.2	469.8	471.4	464.1	462.5	461.7
62.5°	5251.2	2628.0	557.1	525.3	522.0	451.1	451.1	457.6	451.1	453.5	453.5
65°	4834.4	2181.1	495.1	500.8	485.3	432.3	431.5	442.9	433.1	443.7	444.5
67.5°	4123.9	1650.9	431.5	462.5	447.0	412.7	416.0	425.0	411.9	433.9	433.9
70°	3264.2	1123.2	365.4	408.6	407.8	390.7	401.3	400.5	385.8	418.4	412.7
72.5°	2431.5	721.0	297.7	342.6	356.4	367.0	386.6	369.5	355.6	374.4	357.3
75°	1699.0	451.9	234.9	270.8	296.9	340.9	368.7	334.4	314.0	308.3	303.4
77.5°	1017.1	288.7	185.2	206.4	231.6	309.9	345.8	297.7	266.7	263.5	253.7
80°	469.0	188.4	141.1	154.2	164.8	265.9	314.8	254.5	217.0	213.7	202.3
82.5°	212.1	124.0	105.2	110.1	110.9	211.3	265.9	201.5	165.6	268.3	232.5
85°	98.7	79.9	68.5	65.3	66.1	141.1	193.3	138.7	188.4	146.8	111.7
87.5°	42.4	40.8	35.1	27.7	25.3	30.2	74.2	57.9	82.4	32.6	22.0
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)