

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: P672087

Luminaire Tested: **CCP-SA-2E-727-U-T2R**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672087
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

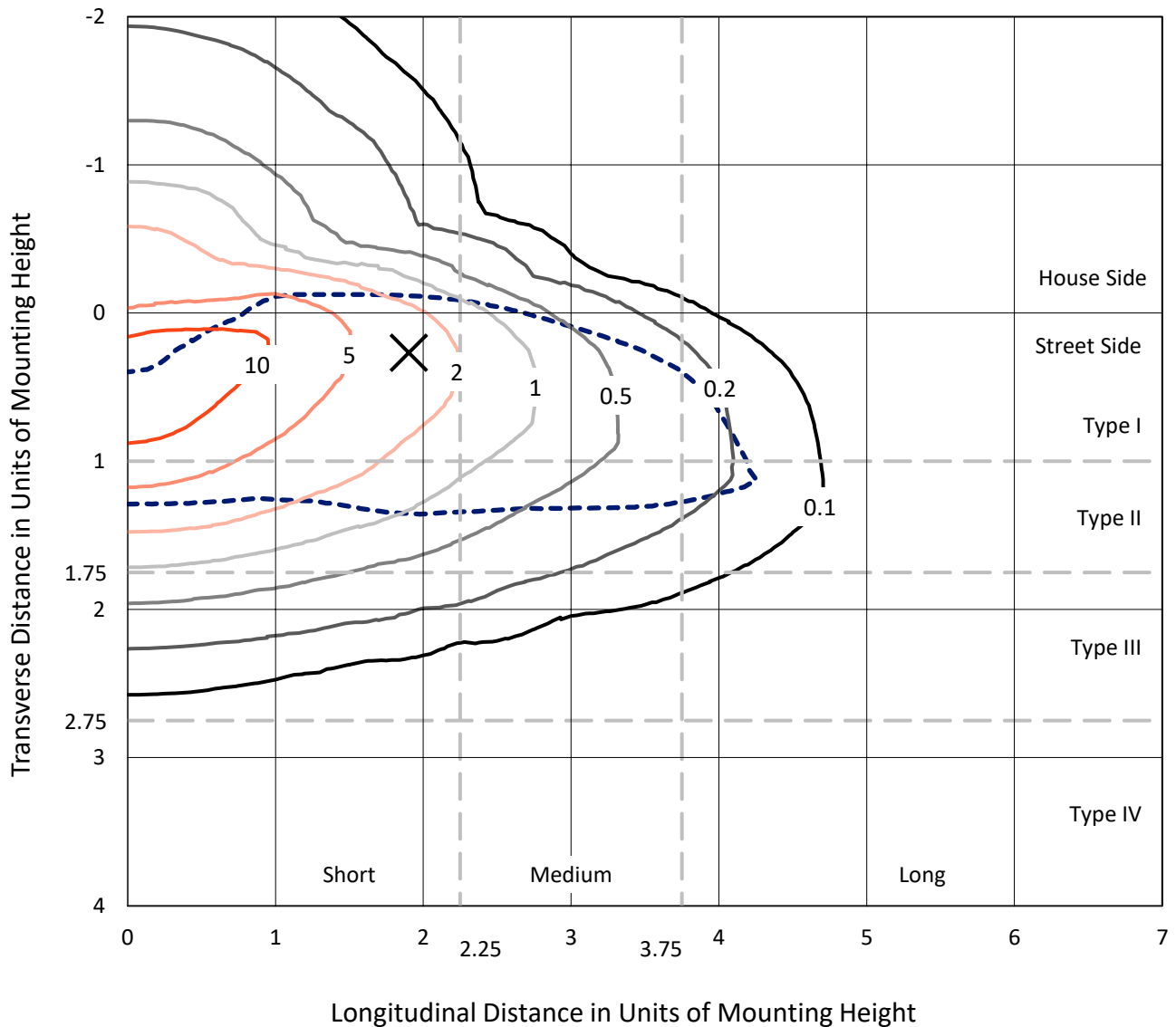
Lumens per Lamp: N/A
Luminaire Lumens: 11615 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

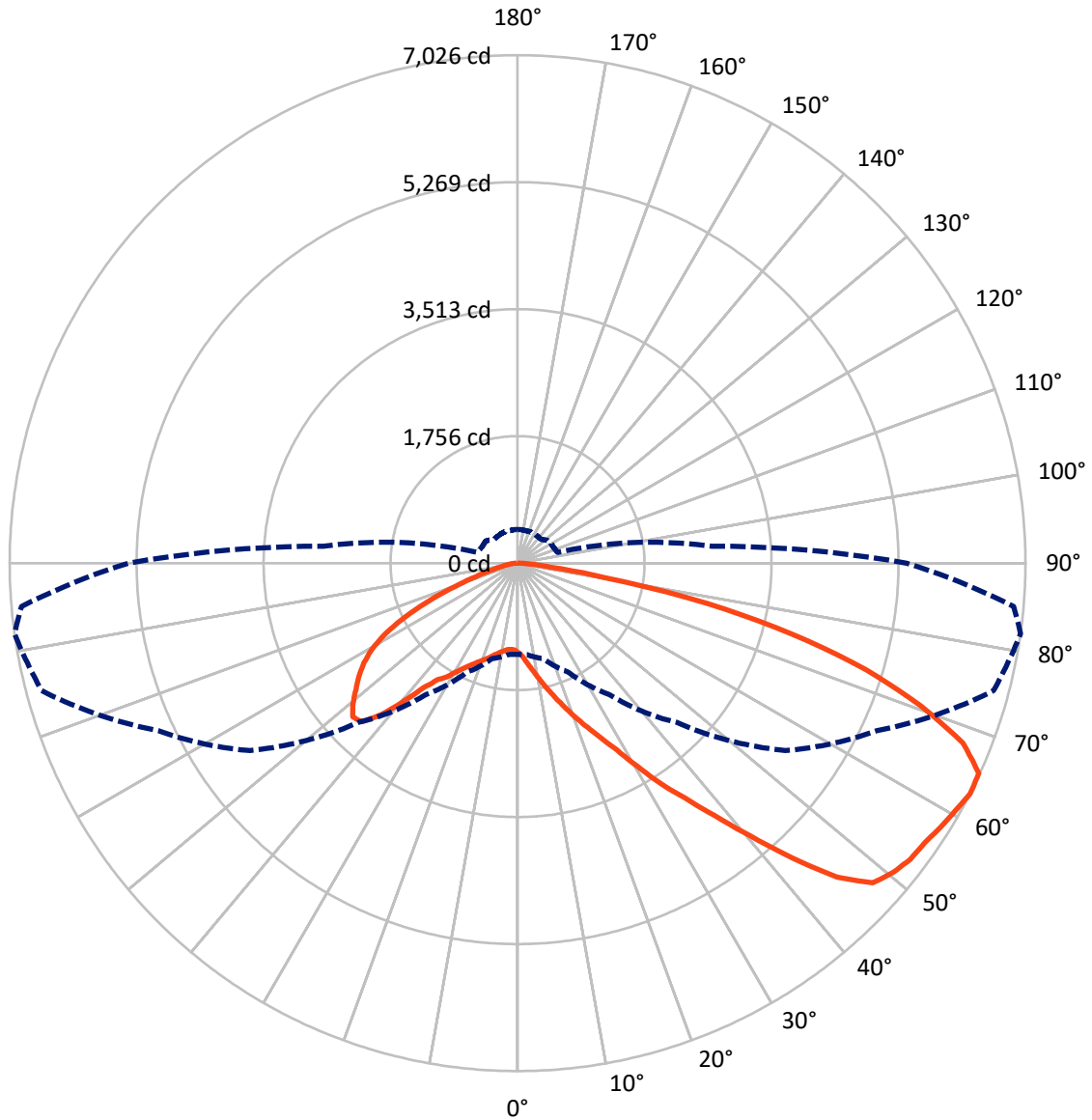
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.6 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	2188.2	0.0	2188.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	9426.8	0.0	9426.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	11615.0	0.0	11615.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.2
10°-20°	515.5	4.4
20°-30°	1067.6	9.2
30°-40°	1812.1	15.6
40°-50°	2467.6	21.2
50°-60°	2497.8	21.5
60°-70°	1968.6	16.9
70°-80°	969.7	8.3
80°-90°	179.4	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°	11615.0	100.0
0°-180°	11615.0	100.0



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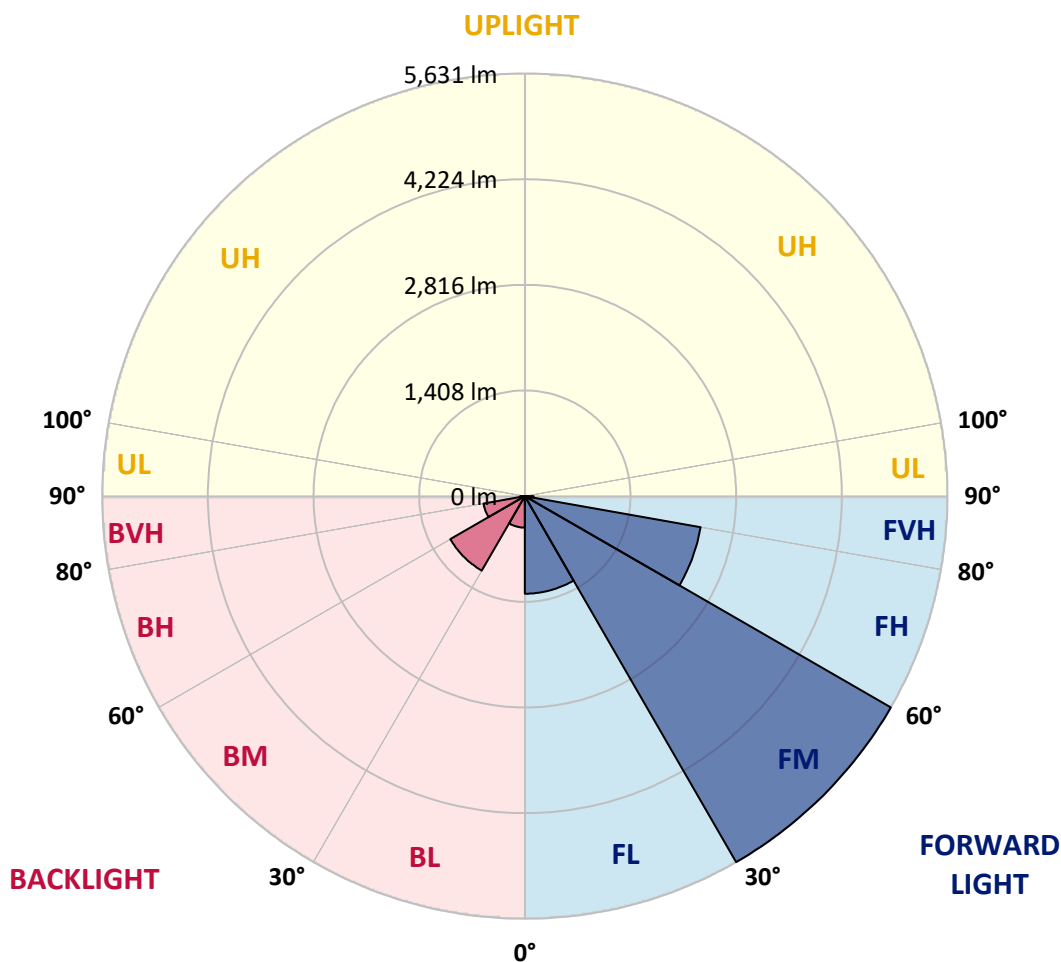
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.0	11.2			
FM (30°-60°)	5631.4	48.5			
FH (60°-80°)	2378.9	20.5			G2/5000
FVH (80°-90°)	116.5	1.0			G2/225
BL (0°-30°)	419.9	3.6	B1/500		
BM (30°-60°)	1146.2	9.9	B2/2500		
BH (60°-80°)	559.4	4.8	B2/1000		G2/1000
BVH (80°-90°)	62.8	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°	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2
2.5°	1645.0	1619.9	1606.5	1591.4	1549.6	1522.9	1472.7	1414.1	1346.4	1288.7	1277.8
5°	1992.0	1966.9	1970.3	1933.5	1872.4	1815.6	1721.9	1611.5	1482.7	1384.0	1349.7
7.5°	2237.0	2209.4	2216.1	2201.1	2151.7	2089.0	1970.3	1828.1	1639.9	1493.6	1438.4
10°	2400.9	2404.3	2409.3	2403.5	2371.7	2327.4	2209.4	2052.2	1818.1	1623.2	1547.9
12.5°	2586.6	2595.8	2594.1	2596.6	2579.9	2544.8	2429.4	2281.4	2007.9	1762.9	1665.0
15°	2823.3	2814.1	2821.6	2832.5	2814.1	2775.6	2673.6	2498.0	2206.9	1918.4	1797.2
17.5°	3082.5	3063.3	3083.3	3072.5	3059.1	3034.0	2921.9	2734.6	2412.7	2086.5	1944.3
20°	3306.6	3294.1	3305.0	3306.6	3309.1	3304.1	3188.7	2989.7	2628.4	2269.7	2103.2
22.5°	3558.4	3552.5	3550.8	3551.7	3554.2	3560.0	3481.4	3269.0	2867.6	2462.0	2274.7
25°	3910.4	3904.6	3866.1	3823.5	3798.4	3816.8	3775.8	3585.9	3131.9	2677.8	2462.8
27.5°	4305.1	4295.9	4244.9	4137.1	4056.8	4070.2	4066.0	3935.5	3436.3	2925.3	2688.6
30°	4714.9	4692.3	4622.1	4470.7	4344.5	4321.0	4332.7	4289.3	3819.3	3253.9	3003.1
32.5°	5080.4	5038.6	4945.7	4792.7	4642.2	4574.4	4576.1	4595.3	4235.7	3637.0	3332.6
35°	5303.7	5276.1	5206.7	5051.9	4883.8	4838.7	4826.1	4922.3	4617.9	3991.5	3627.8
37.5°	5424.1	5397.3	5322.9	5198.3	5071.2	5052.8	5076.2	5225.0	5051.9	4433.9	4029.2
40°	5402.3	5373.9	5325.4	5238.4	5154.8	5169.0	5272.7	5502.7	5526.1	4963.3	4601.2
42.5°	5223.4	5193.3	5189.1	5183.2	5143.9	5206.7	5394.0	5705.9	5961.8	5574.6	5293.6
45°	4907.3	4888.9	4910.6	5011.0	5060.3	5181.6	5450.8	5804.6	6344.8	6196.0	5948.4
47.5°	4506.7	4495.8	4545.2	4704.0	4863.8	5104.6	5488.5	5831.3	6608.2	6608.2	6377.4
50°	4058.4	4054.3	4119.5	4350.3	4600.4	4963.3	5484.3	5856.4	6723.7	6729.5	6528.8
52.5°	3432.9	3454.7	3628.6	3933.0	4272.5	4741.7	5425.8	5926.7	6788.9	6802.3	6630.0
55°	2712.0	2732.9	2995.5	3405.3	3840.2	4472.4	5251.0	5905.8	6801.4	6831.5	6687.7
57.5°	2165.1	2169.3	2333.2	2819.9	3358.5	4127.9	5049.4	5767.0	6764.6	6895.9	6776.3
60°	1694.3	1707.7	1817.2	2202.7	2799.9	3683.8	4824.5	5629.8	6785.5	6957.0	6856.6
62.5°	1261.9	1265.3	1367.3	1665.9	2224.5	3117.6	4519.2	5483.5	6814.8	7025.6	6889.2
65°	822.1	821.2	919.9	1189.2	1661.7	2506.3	4040.0	5254.3	6817.3	7010.5	6739.5
67.5°	522.7	526.0	568.7	738.4	1112.2	1891.7	3387.8	4828.7	6698.6	6645.9	6194.3
70°	424.0	424.8	438.2	482.5	677.4	1292.9	2546.5	4163.0	6323.1	5919.2	5383.9
72.5°	378.0	378.8	385.5	390.5	451.6	776.9	1670.9	3380.2	5655.7	5045.3	4466.5
75°	339.5	339.5	343.7	338.7	370.5	487.5	948.3	2541.4	4658.1	3928.8	3374.4
77.5°	297.7	296.9	296.9	294.4	320.3	356.3	475.0	1773.7	3355.1	2679.4	2188.5
80°	252.6	250.9	253.4	251.7	276.8	270.1	276.8	1094.7	1818.9	1228.5	931.6
82.5°	196.5	196.5	204.1	205.7	228.3	195.7	194.9	519.3	690.8	459.1	343.7
85°	102.9	115.4	155.5	162.2	172.3	122.9	143.0	242.5	276.8	175.6	125.4
87.5°	30.9	32.6	95.3	107.0	106.2	61.9	87.8	117.1	129.6	77.8	51.0
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°	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2	1235.2
2.5°	1250.2	1221.0	1159.1	1103.9	1062.1	1021.9	994.3	980.1	961.7	964.2	958.4
5°	1288.7	1228.5	1118.9	1030.3	970.9	925.8	898.2	883.9	870.6	863.9	868.9
7.5°	1346.4	1252.7	1099.7	992.7	930.8	892.3	877.3	873.1	869.7	867.2	871.4
10°	1420.8	1295.4	1096.4	979.3	922.4	899.0	893.1	890.6	887.3	883.9	886.5
12.5°	1496.9	1342.2	1108.1	982.6	935.8	918.2	910.7	907.4	899.0	894.8	895.7
15°	1592.3	1399.1	1124.0	996.0	953.4	930.8	920.7	911.5	898.2	892.3	894.8
17.5°	1694.3	1466.8	1145.7	1008.5	960.0	932.4	912.4	899.0	885.6	877.3	878.1
20°	1809.7	1533.7	1164.9	1012.7	956.7	918.2	894.0	878.1	860.5	851.3	848.8
22.5°	1929.3	1604.0	1180.0	1009.4	938.3	894.0	866.4	847.1	826.2	812.0	812.9
25°	2074.8	1699.3	1192.5	997.7	914.0	862.2	831.3	807.0	785.3	771.9	772.7
27.5°	2249.6	1807.2	1207.6	979.3	884.8	827.9	792.0	767.7	746.8	734.2	732.6
30°	2482.9	1947.7	1224.3	956.7	848.0	790.3	755.2	730.1	710.0	698.3	698.3
32.5°	2745.5	2119.1	1236.0	929.9	807.0	750.1	718.4	698.3	683.2	667.3	665.7
35°	2973.8	2252.1	1272.0	909.0	771.0	712.5	690.8	676.5	654.0	638.9	636.4
37.5°	3309.1	2486.2	1378.2	903.2	727.6	683.2	679.1	652.3	626.4	597.9	595.4
40°	3849.4	2891.8	1502.0	874.7	682.4	667.3	663.2	627.2	566.2	548.6	545.3
42.5°	4536.8	3380.2	1515.3	792.0	650.6	654.0	641.4	571.2	544.4	531.0	527.7
45°	5157.3	3776.6	1439.2	707.5	627.2	633.9	608.0	550.3	535.2	522.7	519.3
47.5°	5506.0	3898.7	1295.4	643.9	609.6	616.3	554.5	540.2	525.2	512.6	509.3
50°	5603.9	3792.5	1128.1	607.1	596.3	598.8	540.2	531.9	518.5	508.5	503.4
52.5°	5623.1	3633.6	973.4	585.4	586.2	563.6	527.7	521.0	512.6	496.7	490.9
55°	5631.5	3490.6	834.6	572.0	579.5	518.5	514.3	509.3	502.6	485.9	482.5
57.5°	5653.2	3307.5	725.9	562.0	571.2	497.6	499.3	495.9	487.5	480.0	478.3
60°	5591.3	3054.1	642.3	551.9	559.5	480.0	481.7	483.4	475.8	474.2	473.3
62.5°	5383.9	2694.5	571.2	538.6	535.2	462.5	462.5	469.2	462.5	465.0	465.0
65°	4956.6	2236.2	507.6	513.5	497.6	443.2	442.4	454.1	444.1	454.9	455.8
67.5°	4228.2	1692.6	442.4	474.2	458.3	423.2	426.5	435.7	422.3	444.9	444.9
70°	3346.8	1151.6	374.7	419.0	418.1	400.6	411.4	410.6	395.6	429.0	423.2
72.5°	2492.9	739.3	305.2	351.2	365.5	376.3	396.4	378.8	364.6	383.9	366.3
75°	1742.0	463.3	240.8	277.6	304.4	349.6	378.0	342.9	322.0	316.1	311.1
77.5°	1042.8	296.0	189.8	211.6	237.5	317.8	354.6	305.2	273.5	270.1	260.1
80°	480.9	193.2	144.7	158.1	168.9	272.6	322.8	260.9	222.4	219.1	207.4
82.5°	217.4	127.1	107.9	112.9	113.7	216.6	272.6	206.6	169.8	275.1	238.3
85°	101.2	82.0	70.2	66.9	67.7	144.7	198.2	142.2	193.2	150.5	114.6
87.5°	43.5	41.8	36.0	28.4	25.9	30.9	76.1	59.4	84.5	33.5	22.6
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)