

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: P672153

Luminaire Tested: **CCP-SA-2E-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672153
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

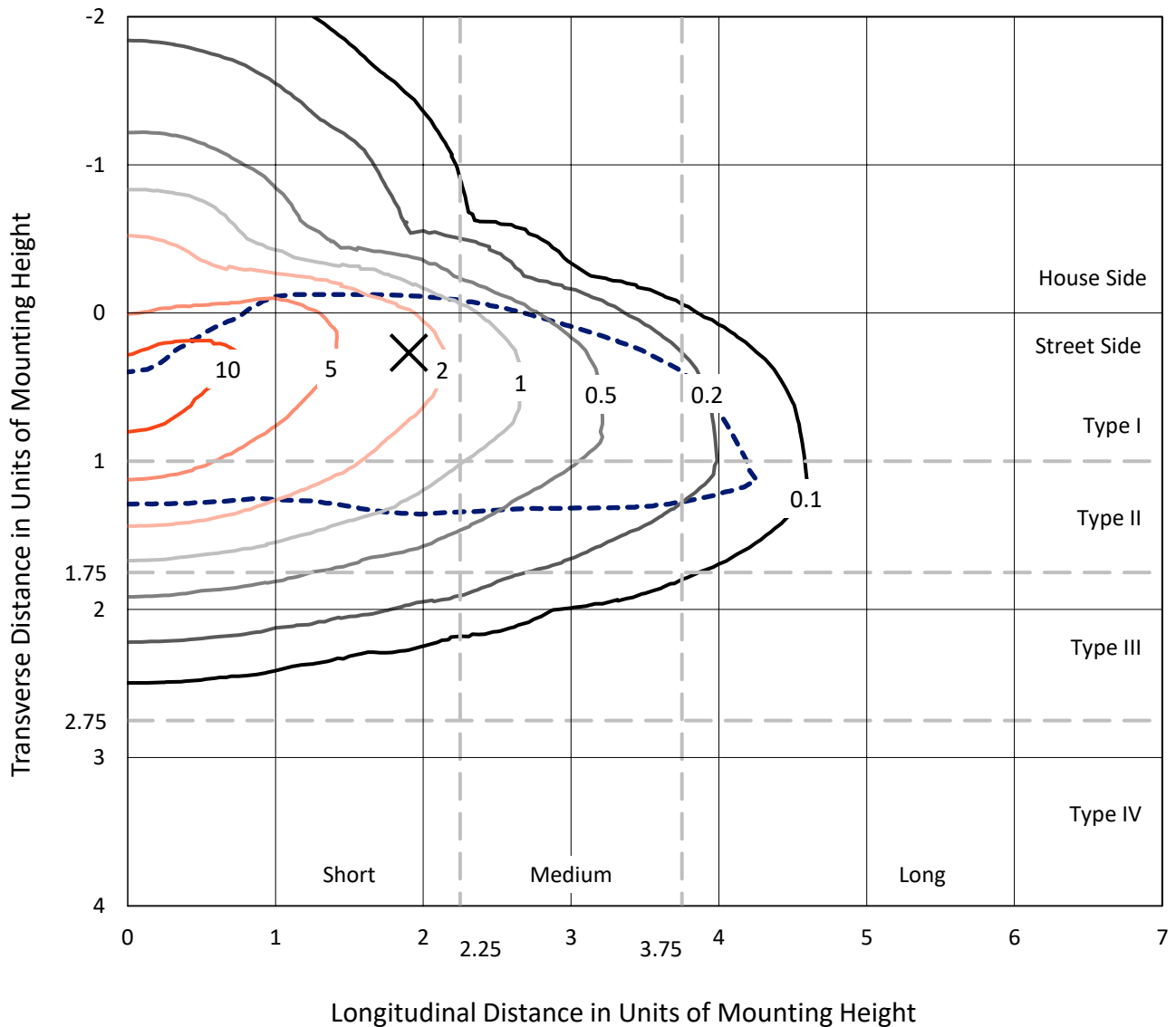
Lumens per Lamp: N/A
Luminaire Lumens: 10209.5 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (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

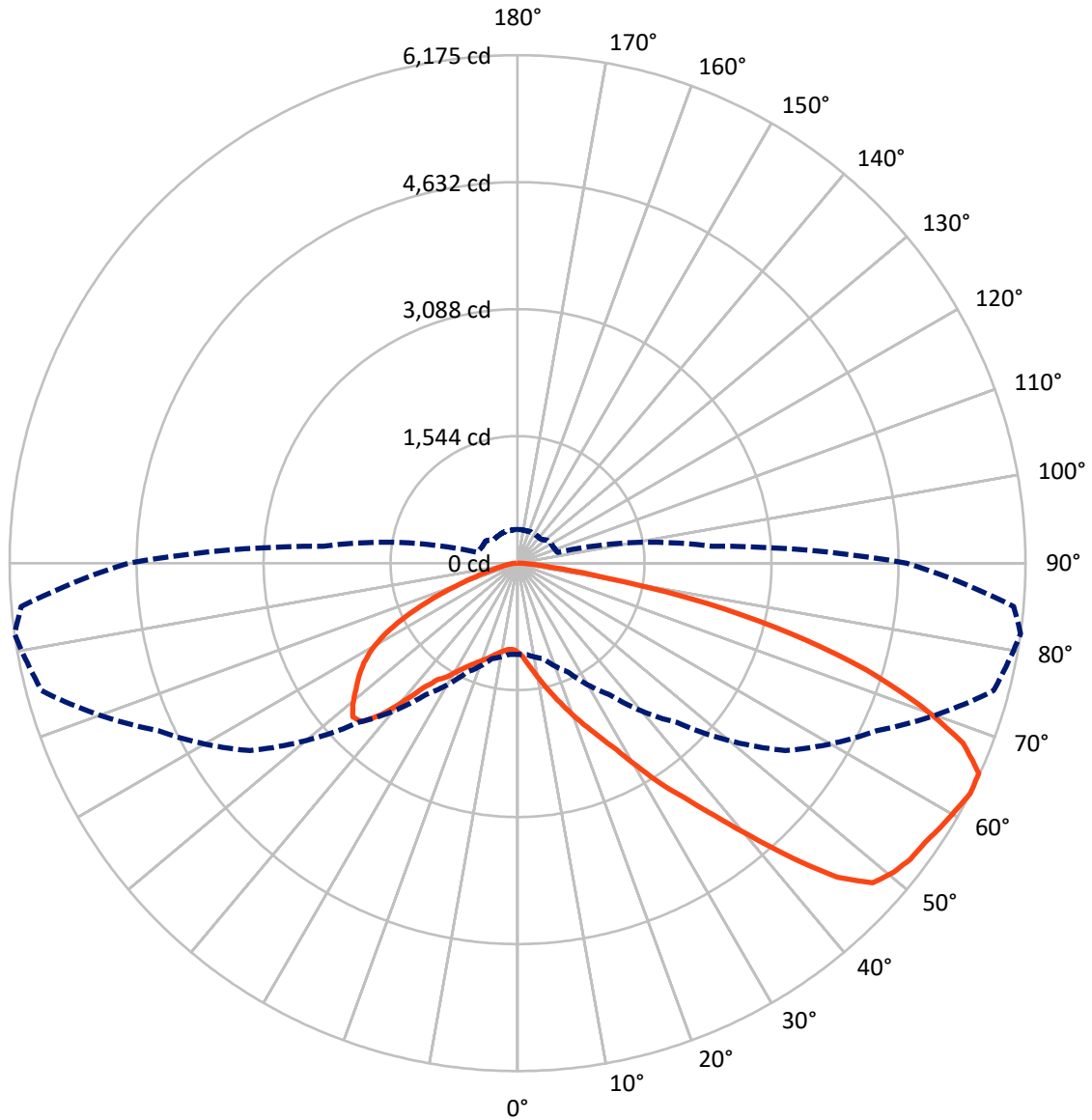
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.9 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	1923.4	0.0	1923.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8286.1	0.0	8286.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	10209.5	0.0	10209.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	1.2
10°-20°	453.2	4.4
20°-30°	938.4	9.2
30°-40°	1592.8	15.6
40°-50°	2169.0	21.2
50°-60°	2195.5	21.5
60°-70°	1730.3	16.9
70°-80°	852.4	8.3
80°-90°	157.7	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°	10209.5	100.0
0°-180°	10209.5	100.0



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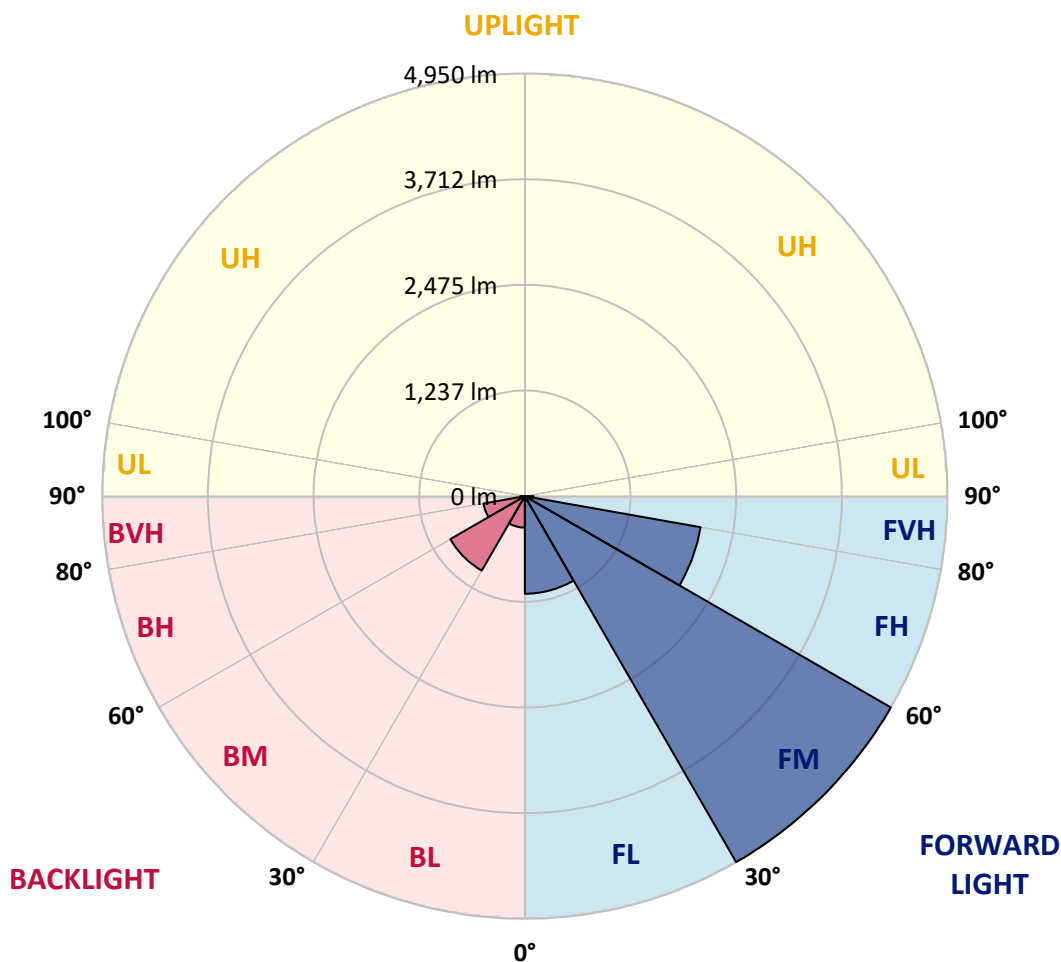
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.7	11.2			
FM (30°-60°)	4949.9	48.5			
FH (60°-80°)	2091.1	20.5			G2/5000
FVH (80°-90°)	102.4	1.0			G2/225
BL (0°-30°)	369.1	3.6	B1/500		
BM (30°-60°)	1007.5	9.9	B2/2500		
BH (60°-80°)	491.7	4.8	B1/500		G1/500
BVH (80°-90°)	55.2	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°	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7
2.5°	1445.9	1423.8	1412.1	1398.9	1362.1	1338.6	1294.5	1243.0	1183.5	1132.8	1123.2
5°	1751.0	1728.9	1731.8	1699.5	1645.8	1595.9	1513.5	1416.5	1303.3	1216.6	1186.4
7.5°	1966.3	1942.1	1948.0	1934.7	1891.4	1836.2	1731.8	1606.9	1441.5	1312.9	1264.3
10°	2110.4	2113.4	2117.8	2112.6	2084.7	2045.7	1942.1	1803.9	1598.1	1426.8	1360.6
12.5°	2273.6	2281.7	2280.2	2282.4	2267.7	2236.8	2135.4	2005.3	1764.9	1549.5	1463.5
15°	2481.6	2473.5	2480.2	2489.7	2473.5	2439.7	2350.0	2195.7	1939.9	1686.3	1579.7
17.5°	2709.5	2692.6	2710.2	2700.7	2688.9	2666.9	2568.4	2403.7	2120.7	1834.0	1709.1
20°	2906.5	2895.5	2905.0	2906.5	2908.7	2904.3	2802.9	2627.9	2310.4	1995.0	1848.7
22.5°	3127.8	3122.6	3121.1	3121.9	3124.1	3129.2	3060.1	2873.4	2520.6	2164.1	1999.4
25°	3437.2	3432.1	3398.3	3360.8	3338.7	3354.9	3318.9	3152.0	2752.9	2353.7	2164.8
27.5°	3784.2	3776.1	3731.3	3636.4	3565.9	3577.6	3574.0	3459.3	3020.4	2571.3	2363.3
30°	4144.4	4124.5	4062.8	3929.7	3818.7	3798.2	3808.4	3770.2	3357.1	2860.2	2639.7
32.5°	4465.6	4428.8	4347.3	4212.7	4080.4	4020.9	4022.3	4039.3	3723.2	3196.9	2929.3
35°	4661.9	4637.6	4576.6	4440.6	4292.9	4253.2	4242.1	4326.7	4059.1	3508.5	3188.8
37.5°	4767.7	4744.2	4678.8	4569.2	4457.5	4441.3	4461.9	4592.8	4440.6	3897.4	3541.6
40°	4748.6	4723.6	4681.0	4604.5	4531.0	4543.5	4634.7	4836.8	4857.4	4362.7	4044.4
42.5°	4591.3	4564.8	4561.2	4556.0	4521.5	4576.6	4741.3	5015.4	5240.4	4900.0	4653.0
45°	4313.4	4297.3	4316.4	4404.6	4448.0	4554.5	4791.2	5102.2	5577.0	5446.2	5228.6
47.5°	3961.3	3951.8	3995.2	4134.8	4275.2	4486.9	4824.3	5125.7	5808.6	5808.6	5605.7
50°	3567.3	3563.7	3621.0	3823.9	4043.7	4362.7	4820.6	5147.8	5910.0	5915.2	5738.8
52.5°	3017.5	3036.6	3189.5	3457.1	3755.5	4167.9	4769.2	5209.5	5967.4	5979.1	5827.7
55°	2383.9	2402.2	2633.1	2993.2	3375.5	3931.2	4615.6	5191.1	5978.4	6004.9	5878.4
57.5°	1903.1	1906.8	2050.9	2478.7	2952.1	3628.3	4438.4	5069.1	5946.0	6061.5	5956.3
60°	1489.3	1501.0	1597.3	1936.2	2461.0	3238.0	4240.7	4948.5	5964.4	6115.1	6026.9
62.5°	1109.2	1112.2	1201.9	1464.3	1955.3	2740.4	3972.4	4819.9	5990.2	6175.4	6055.6
65°	722.6	721.8	808.6	1045.3	1460.6	2203.0	3551.2	4618.5	5992.4	6162.2	5924.0
67.5°	459.4	462.4	499.9	649.1	977.7	1662.7	2977.8	4244.3	5888.0	5841.7	5444.7
70°	372.7	373.4	385.2	424.1	595.4	1136.4	2238.3	3659.2	5557.9	5202.9	4732.4
72.5°	332.3	333.0	338.9	343.3	396.9	682.9	1468.7	2971.2	4971.3	4434.7	3926.1
75°	298.4	298.4	302.1	297.7	325.6	428.6	833.6	2233.9	4094.4	3453.4	2966.0
77.5°	261.7	261.0	261.0	258.7	281.5	313.1	417.5	1559.1	2949.1	2355.2	1923.7
80°	222.0	220.5	222.7	221.3	243.3	237.4	243.3	962.2	1598.8	1079.8	818.9
82.5°	172.7	172.7	179.4	180.8	200.7	172.0	171.3	456.5	607.2	403.6	302.1
85°	90.4	101.4	136.7	142.6	151.4	108.1	125.7	213.2	243.3	154.4	110.3
87.5°	27.2	28.7	83.8	94.1	93.4	54.4	77.2	102.9	113.9	68.4	44.8
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°	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7	1085.7
2.5°	1098.9	1073.2	1018.8	970.3	933.5	898.3	874.0	861.5	845.3	847.5	842.4
5°	1132.8	1079.8	983.5	905.6	853.4	813.7	789.5	777.0	765.2	759.3	763.7
7.5°	1183.5	1101.1	966.6	872.5	818.1	784.3	771.1	767.4	764.5	762.3	766.0
10°	1248.9	1138.6	963.7	860.8	810.8	790.2	785.1	782.9	779.9	777.0	779.2
12.5°	1315.8	1179.8	974.0	863.7	822.6	807.1	800.5	797.6	790.2	786.5	787.3
15°	1399.6	1229.8	987.9	875.5	838.0	818.1	809.3	801.2	789.5	784.3	786.5
17.5°	1489.3	1289.3	1007.1	886.5	843.9	819.6	802.0	790.2	778.4	771.1	771.8
20°	1590.7	1348.1	1024.0	890.2	840.9	807.1	785.8	771.8	756.4	748.3	746.1
22.5°	1695.8	1409.9	1037.2	887.2	824.8	785.8	761.5	744.6	726.3	713.8	714.5
25°	1823.7	1493.7	1048.2	876.9	803.4	757.9	730.7	709.4	690.2	678.5	679.2
27.5°	1977.4	1588.5	1061.5	860.8	777.7	727.7	696.1	674.8	656.4	645.4	643.9
30°	2182.4	1712.0	1076.2	840.9	745.4	694.6	663.8	641.7	624.1	613.8	613.8
32.5°	2413.3	1862.7	1086.4	817.4	709.4	659.4	631.4	613.8	600.6	586.6	585.1
35°	2613.9	1979.6	1118.1	799.0	677.7	626.3	607.2	594.7	574.8	561.6	559.4
37.5°	2908.7	2185.4	1211.4	793.9	639.5	600.6	596.9	573.4	550.6	525.6	523.4
40°	3383.6	2541.9	1320.2	768.9	599.8	586.6	582.9	551.3	497.6	482.2	479.3
42.5°	3987.8	2971.2	1332.0	696.1	571.9	574.8	563.8	502.1	478.5	466.8	463.8
45°	4533.2	3319.6	1265.1	621.9	551.3	557.2	534.4	483.7	470.5	459.4	456.5
47.5°	4839.8	3426.9	1138.6	566.0	535.9	541.8	487.4	474.9	461.6	450.6	447.7
50°	4925.8	3333.6	991.6	533.7	524.1	526.3	474.9	467.5	455.7	446.9	442.5
52.5°	4942.7	3193.9	855.6	514.6	515.3	495.4	463.8	458.0	450.6	436.6	431.5
55°	4950.0	3068.2	733.6	502.8	509.4	455.7	452.1	447.7	441.8	427.1	424.1
57.5°	4969.1	2907.2	638.0	494.0	502.1	437.4	438.8	435.9	428.6	421.9	420.5
60°	4914.7	2684.5	564.5	485.2	491.8	421.9	423.4	424.9	418.3	416.8	416.1
62.5°	4732.4	2368.4	502.1	473.4	470.5	406.5	406.5	412.4	406.5	408.7	408.7
65°	4356.8	1965.6	446.2	451.3	437.4	389.6	388.9	399.1	390.3	399.9	400.6
67.5°	3716.6	1487.8	388.9	416.8	402.8	371.9	374.9	383.0	371.2	391.1	391.1
70°	2941.8	1012.2	329.3	368.3	367.5	352.1	361.7	360.9	347.7	377.1	371.9
72.5°	2191.3	649.8	268.3	308.7	321.2	330.8	348.4	333.0	320.5	337.4	322.0
75°	1531.2	407.2	211.7	244.0	267.6	307.3	332.3	301.4	283.0	277.9	273.4
77.5°	916.6	260.2	166.9	186.0	208.8	279.3	311.7	268.3	240.4	237.4	228.6
80°	422.7	169.8	127.2	138.9	148.5	239.6	283.7	229.3	195.5	192.6	182.3
82.5°	191.1	111.7	94.8	99.2	100.0	190.4	239.6	181.6	149.2	241.8	209.5
85°	88.9	72.0	61.7	58.8	59.5	127.2	174.2	125.0	169.8	132.3	100.7
87.5°	38.2	36.8	31.6	25.0	22.8	27.2	66.9	52.2	74.2	29.4	19.8
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)