

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: P672130

Luminaire Tested: **CCP-SA-2D-750-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672130
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-750-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

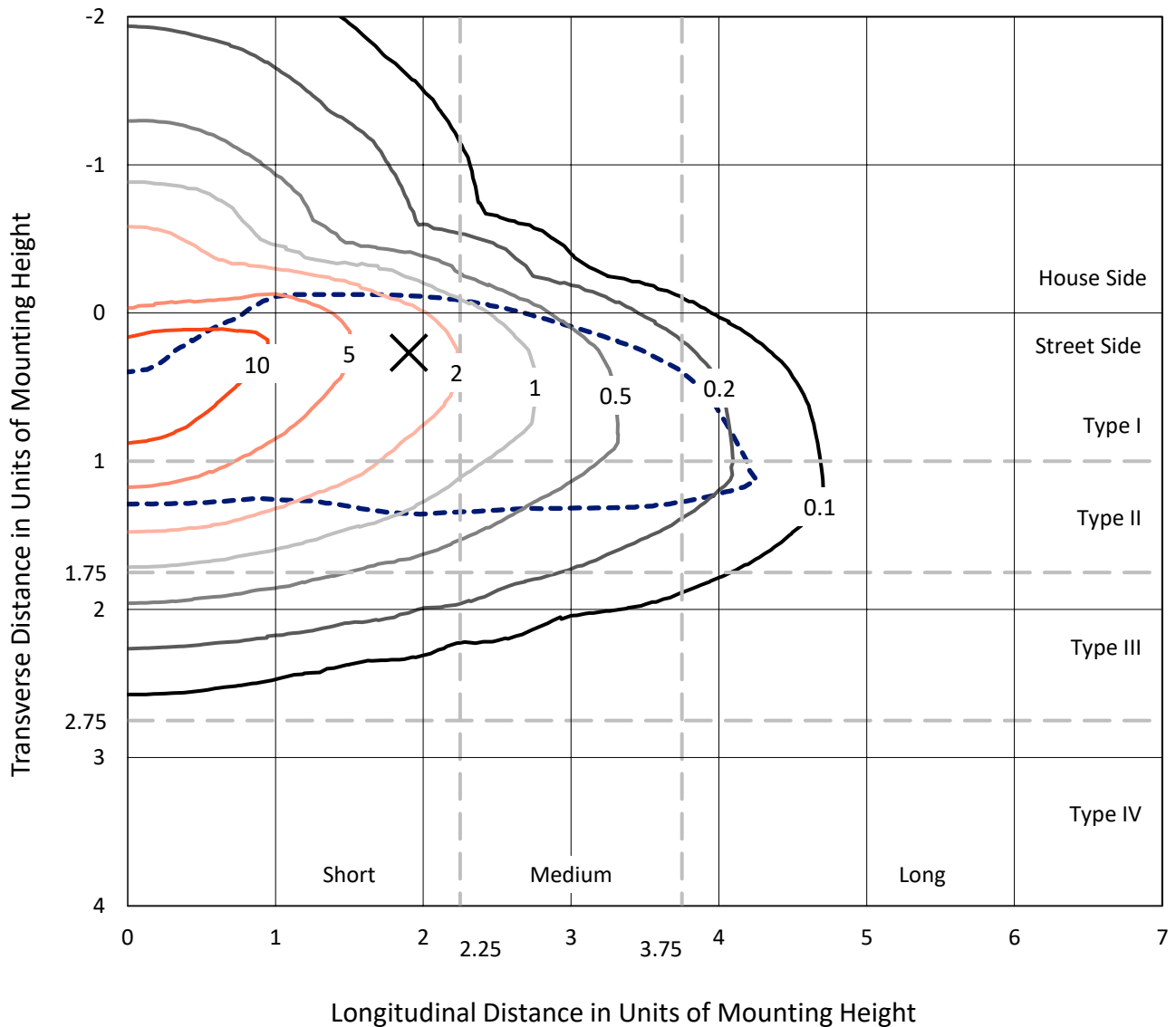
Lumens per Lamp: N/A
Luminaire Lumens: 11588 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

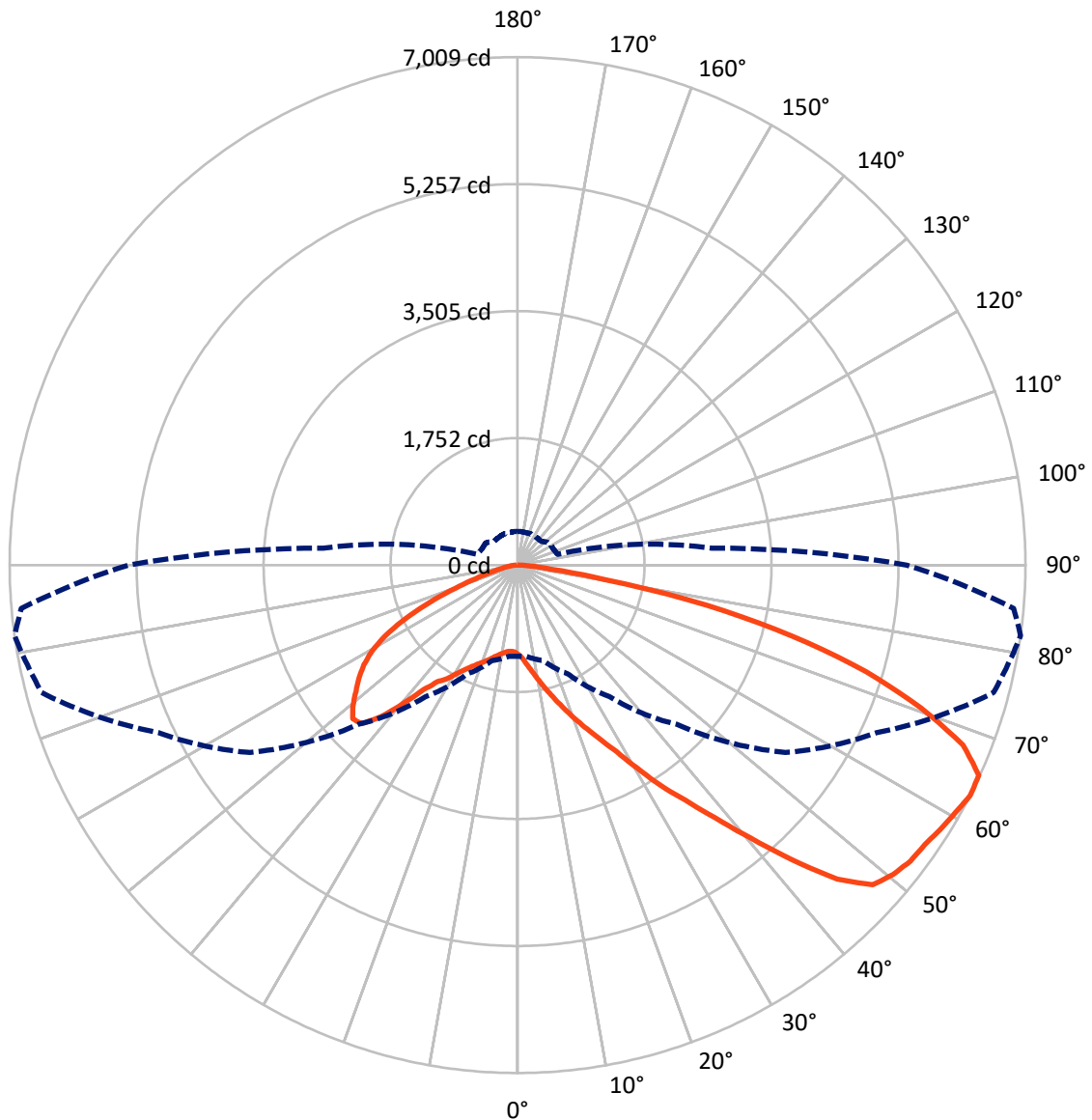
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.5 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	2183.1	0.0	2183.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	9404.9	0.0	9404.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	11588.0	0.0	11588.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	1.2
10°-20°	514.3	4.4
20°-30°	1065.2	9.2
30°-40°	1807.9	15.6
40°-50°	2461.9	21.2
50°-60°	2492.0	21.5
60°-70°	1964.0	16.9
70°-80°	967.5	8.3
80°-90°	179.0	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°	11588.0	100.0
0°-180°	11588.0	100.0



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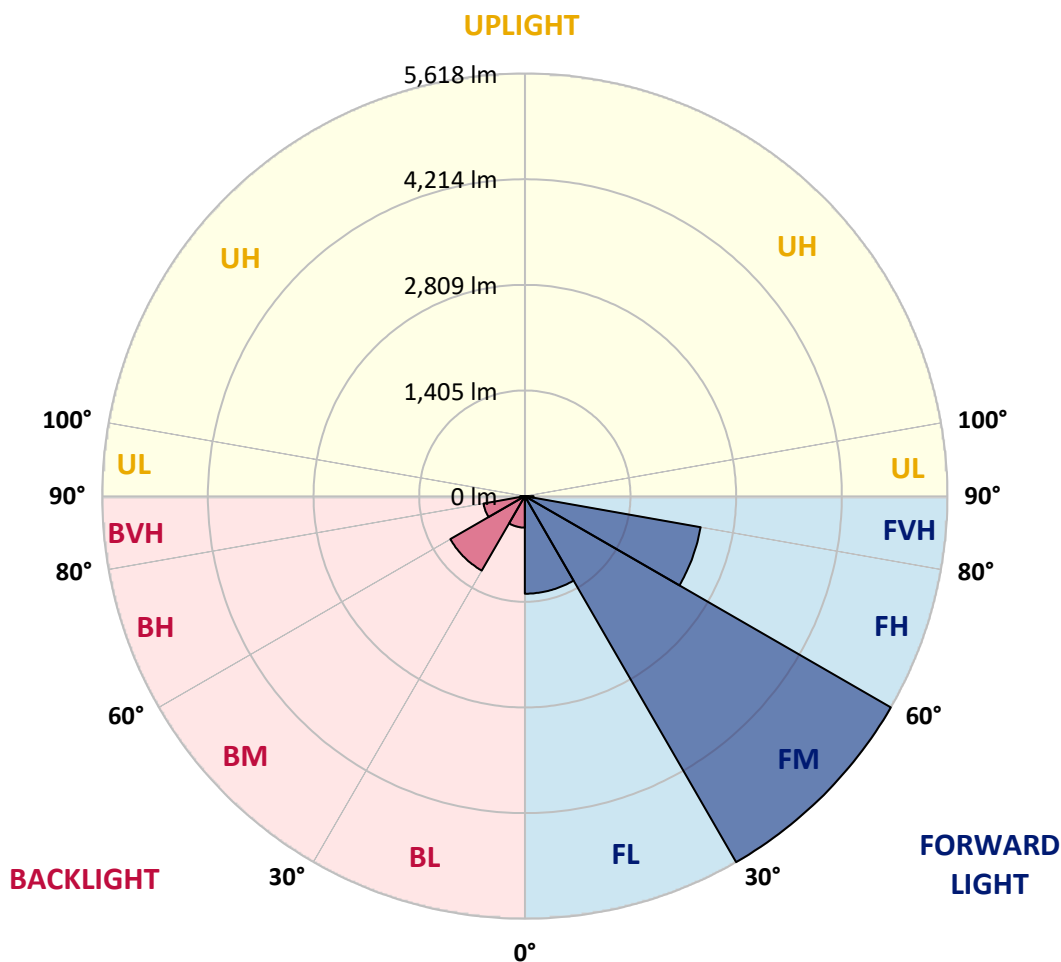
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1297.0	11.2			
FM (30°-60°)	5618.3	48.5			
FH (60°-80°)	2373.4	20.5			G2/5000
FVH (80°-90°)	116.3	1.0			G2/225
BL (0°-30°)	418.9	3.6	B1/500		
BM (30°-60°)	1143.5	9.9	B2/2500		
BH (60°-80°)	558.1	4.8	B2/1000		G2/1000
BVH (80°-90°)	62.7	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°	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3
2.5°	1641.1	1616.1	1602.7	1587.7	1546.0	1519.3	1469.3	1410.9	1343.3	1285.7	1274.9
5°	1987.4	1962.3	1965.7	1929.0	1868.1	1811.3	1717.9	1607.8	1479.3	1380.8	1346.6
7.5°	2231.8	2204.3	2211.0	2196.0	2146.7	2084.2	1965.7	1823.8	1636.1	1490.1	1435.0
10°	2395.4	2398.7	2403.7	2397.9	2366.2	2321.9	2204.3	2047.4	1813.8	1619.4	1544.3
12.5°	2580.6	2589.8	2588.1	2590.6	2573.9	2538.9	2423.7	2276.1	2003.2	1758.8	1661.2
15°	2816.7	2807.5	2815.0	2825.9	2807.5	2769.1	2667.4	2492.1	2201.8	1914.0	1793.0
17.5°	3075.3	3056.2	3076.2	3065.3	3052.0	3026.9	2915.1	2728.3	2407.0	2081.7	1939.8
20°	3298.9	3286.4	3297.3	3298.9	3301.4	3296.4	3181.3	2982.7	2622.3	2264.4	2098.3
22.5°	3550.1	3544.2	3542.6	3543.4	3545.9	3551.7	3473.3	3261.4	2860.9	2456.3	2269.4
25°	3901.3	3895.5	3857.1	3814.6	3789.5	3807.9	3767.0	3577.6	3124.6	2671.5	2457.1
27.5°	4295.1	4286.0	4235.1	4127.4	4047.3	4060.7	4056.5	3926.4	3428.3	2918.5	2682.4
30°	4704.0	4681.4	4611.3	4460.3	4334.3	4311.0	4322.7	4279.3	3810.4	3246.4	2996.1
32.5°	5068.6	5026.8	4934.2	4781.5	4631.4	4563.8	4565.5	4584.6	4225.9	3628.5	3324.8
35°	5291.3	5263.8	5194.5	5040.2	4872.5	4827.4	4814.9	4910.9	4607.2	3982.3	3619.3
37.5°	5411.5	5384.8	5310.5	5186.2	5059.4	5041.0	5064.4	5212.9	5040.2	4423.6	4019.8
40°	5389.8	5361.4	5313.0	5226.2	5142.8	5157.0	5260.5	5489.9	5513.3	4951.7	4590.5
42.5°	5211.2	5181.2	5177.0	5171.2	5132.0	5194.5	5381.4	5692.6	5947.9	5561.6	5281.3
45°	4895.8	4877.5	4899.2	4999.3	5048.5	5169.5	5438.2	5791.1	6330.1	6181.6	5934.6
47.5°	4496.2	4485.4	4534.6	4693.1	4852.5	5092.8	5475.7	5817.8	6592.9	6592.9	6362.6
50°	4049.0	4044.8	4109.9	4340.2	4589.7	4951.7	5471.5	5842.8	6708.0	6713.9	6513.6
52.5°	3424.9	3446.6	3620.2	3923.9	4262.6	4730.7	5413.1	5912.9	6773.1	6786.4	6614.6
55°	2705.7	2726.6	2988.6	3397.4	3831.2	4462.0	5238.8	5892.0	6785.6	6815.6	6672.1
57.5°	2160.1	2164.3	2327.8	2813.4	3350.7	4118.3	5037.7	5753.5	6748.9	6879.9	6760.6
60°	1690.4	1703.7	1813.0	2197.6	2793.3	3675.2	4813.3	5616.7	6769.8	6940.8	6840.7
62.5°	1259.0	1262.3	1364.1	1662.0	2219.3	3110.4	4508.7	5470.7	6799.0	7009.2	6873.2
65°	820.1	819.3	917.8	1186.4	1657.8	2500.5	4030.6	5242.1	6801.5	6994.2	6723.9
67.5°	521.5	524.8	567.3	736.7	1109.7	1887.3	3379.9	4817.4	6683.0	6630.4	6179.9
70°	423.0	423.8	437.2	481.4	675.8	1289.9	2540.5	4153.3	6308.4	5905.4	5371.4
72.5°	377.1	378.0	384.6	389.6	450.5	775.1	1667.0	3372.4	5642.6	5033.5	4456.2
75°	338.7	338.7	342.9	337.9	369.6	486.4	946.1	2535.5	4647.2	3919.7	3366.5
77.5°	297.0	296.2	296.2	293.7	319.5	355.4	473.9	1769.6	3347.3	2673.2	2183.4
80°	252.0	250.3	252.8	251.1	276.2	269.5	276.2	1092.1	1814.7	1225.6	929.4
82.5°	196.1	196.1	203.6	205.2	227.8	195.2	194.4	518.1	689.2	458.0	342.9
85°	102.6	115.1	155.2	161.9	171.9	122.6	142.7	242.0	276.2	175.2	125.1
87.5°	30.9	32.5	95.1	106.8	106.0	61.7	87.6	116.8	129.3	77.6	50.9
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°	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3	1232.3
2.5°	1247.3	1218.1	1156.4	1101.3	1059.6	1019.6	992.0	977.8	959.5	962.0	956.1
5°	1285.7	1225.6	1116.3	1027.9	968.7	923.6	896.1	881.9	868.5	861.9	866.9
7.5°	1343.3	1249.8	1097.1	990.3	928.6	890.2	875.2	871.0	867.7	865.2	869.4
10°	1417.5	1292.4	1093.8	977.0	920.3	896.9	891.1	888.6	885.2	881.9	884.4
12.5°	1493.5	1339.1	1105.5	980.3	933.6	916.1	908.6	905.2	896.9	892.7	893.6
15°	1588.6	1395.8	1121.3	993.7	951.1	928.6	918.6	909.4	896.1	890.2	892.7
17.5°	1690.4	1463.4	1143.0	1006.2	957.8	930.3	910.3	896.9	883.6	875.2	876.0
20°	1805.5	1530.2	1162.2	1010.4	954.5	916.1	891.9	876.0	858.5	849.3	846.8
22.5°	1924.8	1600.2	1177.2	1007.0	936.1	891.9	864.4	845.2	824.3	810.1	811.0
25°	2070.0	1695.4	1189.8	995.4	911.9	860.2	829.3	805.1	783.4	770.1	770.9
27.5°	2244.3	1803.0	1204.8	977.0	882.7	826.0	790.1	765.9	745.1	732.5	730.9
30°	2477.1	1943.2	1221.5	954.5	846.0	788.4	753.4	728.4	708.3	696.7	696.7
32.5°	2739.1	2114.2	1233.1	927.8	805.1	748.4	716.7	696.7	681.6	665.8	664.1
35°	2966.9	2246.9	1269.0	906.9	769.3	710.8	689.2	675.0	652.4	637.4	634.9
37.5°	3301.4	2480.5	1375.0	901.1	725.9	681.6	677.5	650.8	624.9	596.5	594.0
40°	3840.4	2885.1	1498.5	872.7	680.8	665.8	661.6	625.7	564.8	547.3	544.0
42.5°	4526.2	3372.4	1511.8	790.1	649.1	652.4	639.9	569.8	543.1	529.8	526.5
45°	5145.3	3767.8	1435.9	705.8	625.7	632.4	606.6	549.0	534.0	521.5	518.1
47.5°	5493.2	3889.6	1292.4	642.4	608.2	614.9	553.2	539.0	524.0	511.4	508.1
50°	5590.8	3783.7	1125.5	605.7	594.9	597.4	539.0	530.6	517.3	507.3	502.3
52.5°	5610.0	3625.2	971.2	584.0	584.9	562.3	526.5	519.8	511.4	495.6	489.8
55°	5618.4	3482.5	832.7	570.7	578.2	517.3	513.1	508.1	501.4	484.7	481.4
57.5°	5640.1	3299.8	724.2	560.7	569.8	496.4	498.1	494.8	486.4	478.9	477.2
60°	5578.3	3047.0	640.8	550.7	558.2	478.9	480.6	482.2	474.7	473.1	472.2
62.5°	5371.4	2688.2	569.8	537.3	534.0	461.4	461.4	468.1	461.4	463.9	463.9
65°	4945.1	2231.0	506.4	512.3	496.4	442.2	441.4	453.0	443.0	453.9	454.7
67.5°	4218.4	1688.7	441.4	473.1	457.2	422.2	425.5	434.7	421.3	443.9	443.9
70°	3339.0	1148.9	373.8	418.0	417.2	399.6	410.5	409.7	394.6	428.0	422.2
72.5°	2487.1	737.5	304.5	350.4	364.6	375.4	395.5	378.0	363.8	383.0	365.4
75°	1737.9	462.2	240.3	277.0	303.7	348.8	377.1	342.1	321.2	315.4	310.4
77.5°	1040.4	295.4	189.4	211.1	236.9	317.0	353.8	304.5	272.8	269.5	259.5
80°	479.7	192.7	144.3	157.7	168.5	272.0	322.1	260.3	221.9	218.6	206.9
82.5°	216.9	126.8	107.6	112.6	113.5	216.1	272.0	206.1	169.4	274.5	237.8
85°	101.0	81.8	70.1	66.7	67.6	144.3	197.7	141.8	192.7	150.2	114.3
87.5°	43.4	41.7	35.9	28.4	25.9	30.9	75.9	59.2	84.3	33.4	22.5
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)