

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: P672109

Luminaire Tested: **CCP-SA-2E-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672109
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

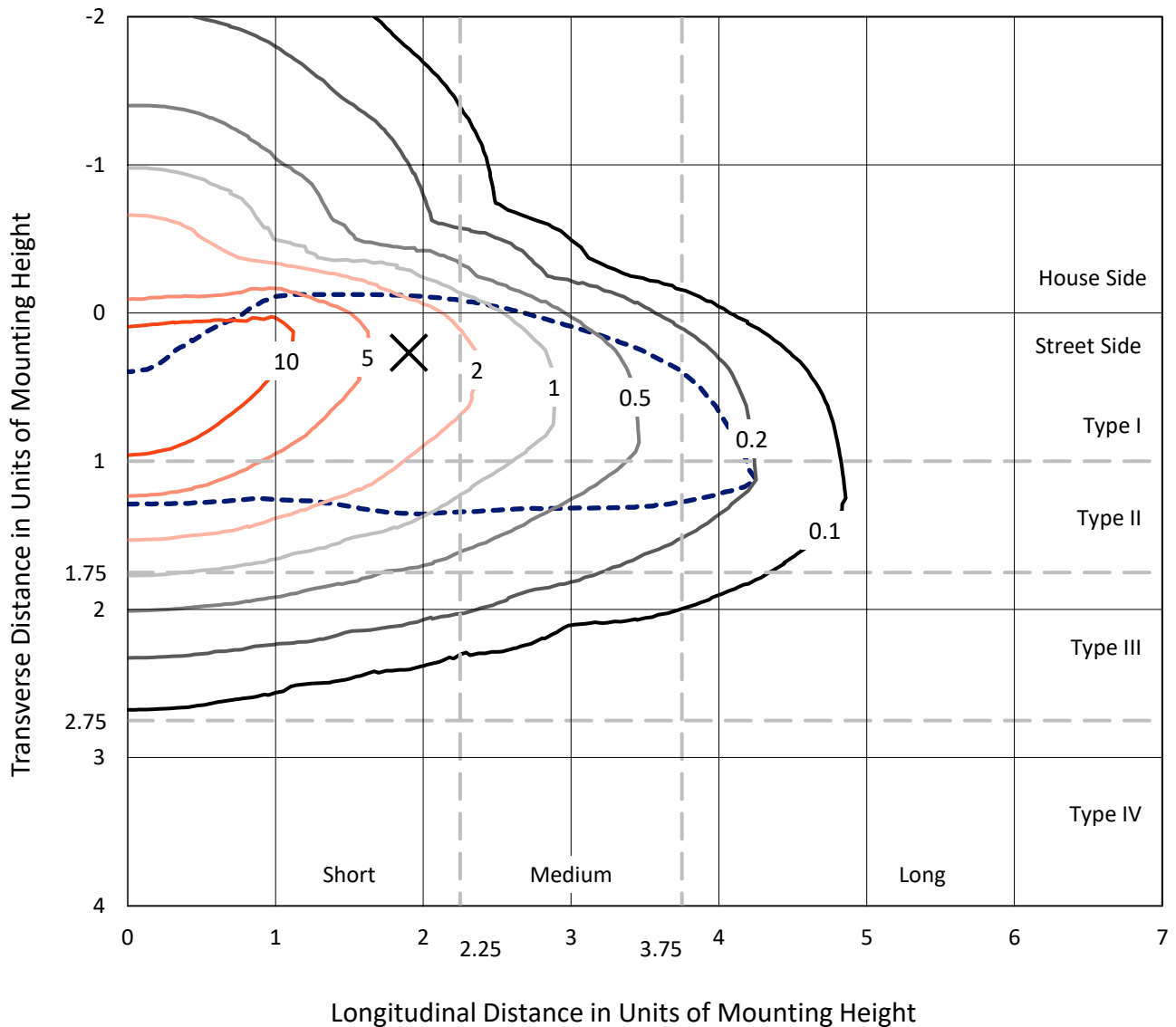
Lumens per Lamp: N/A
Luminaire Lumens: 13698.3 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

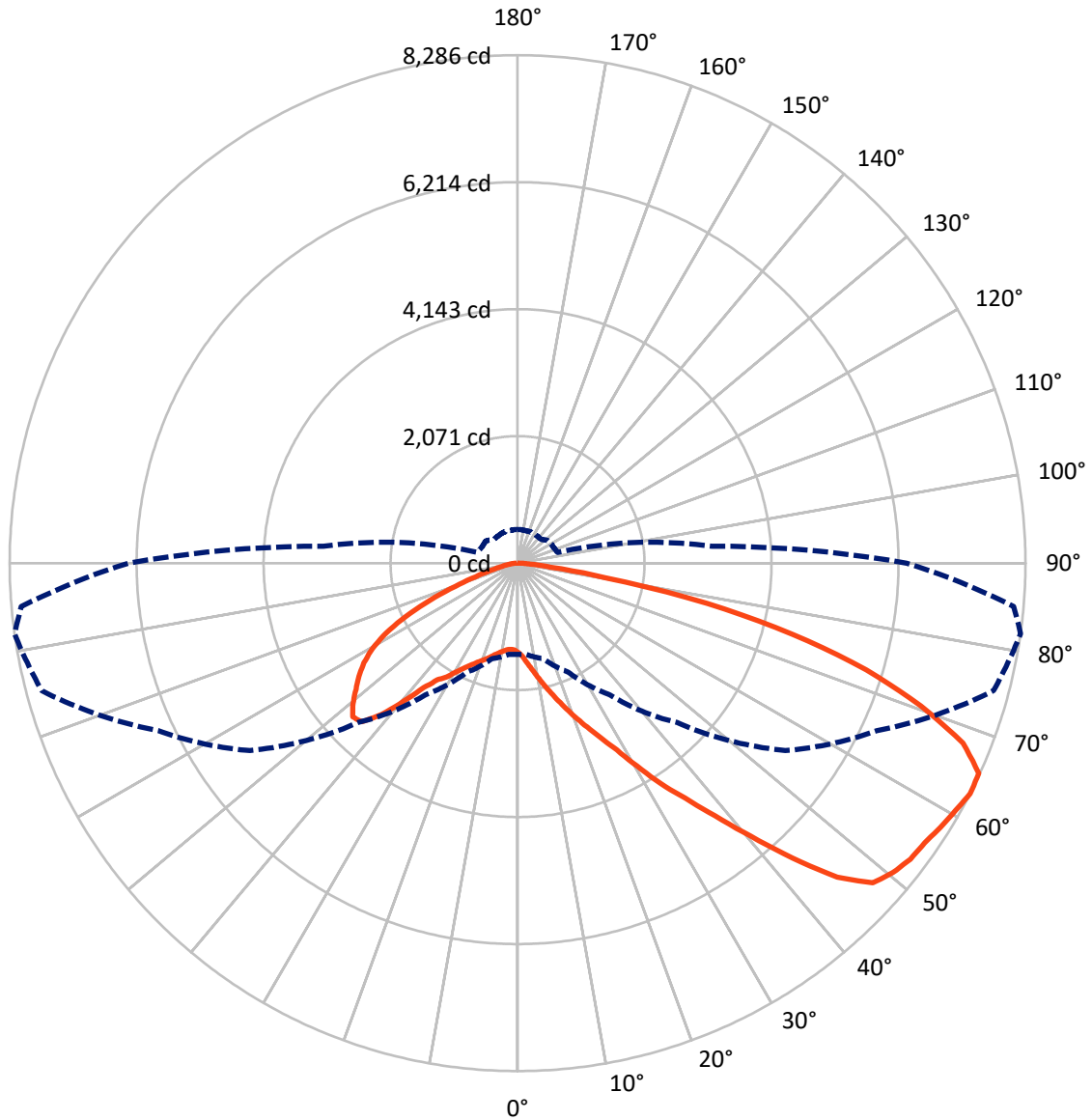
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16 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	2580.7	0.0	2580.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	11117.6	0.0	11117.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	13698.3	0.0	13698.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.2
10°-20°	608.0	4.4
20°-30°	1259.1	9.2
30°-40°	2137.1	15.6
40°-50°	2910.2	21.2
50°-60°	2945.8	21.5
60°-70°	2321.6	16.9
70°-80°	1143.7	8.3
80°-90°	211.5	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°	13698.3	100.0
0°-180°	13698.3	100.0



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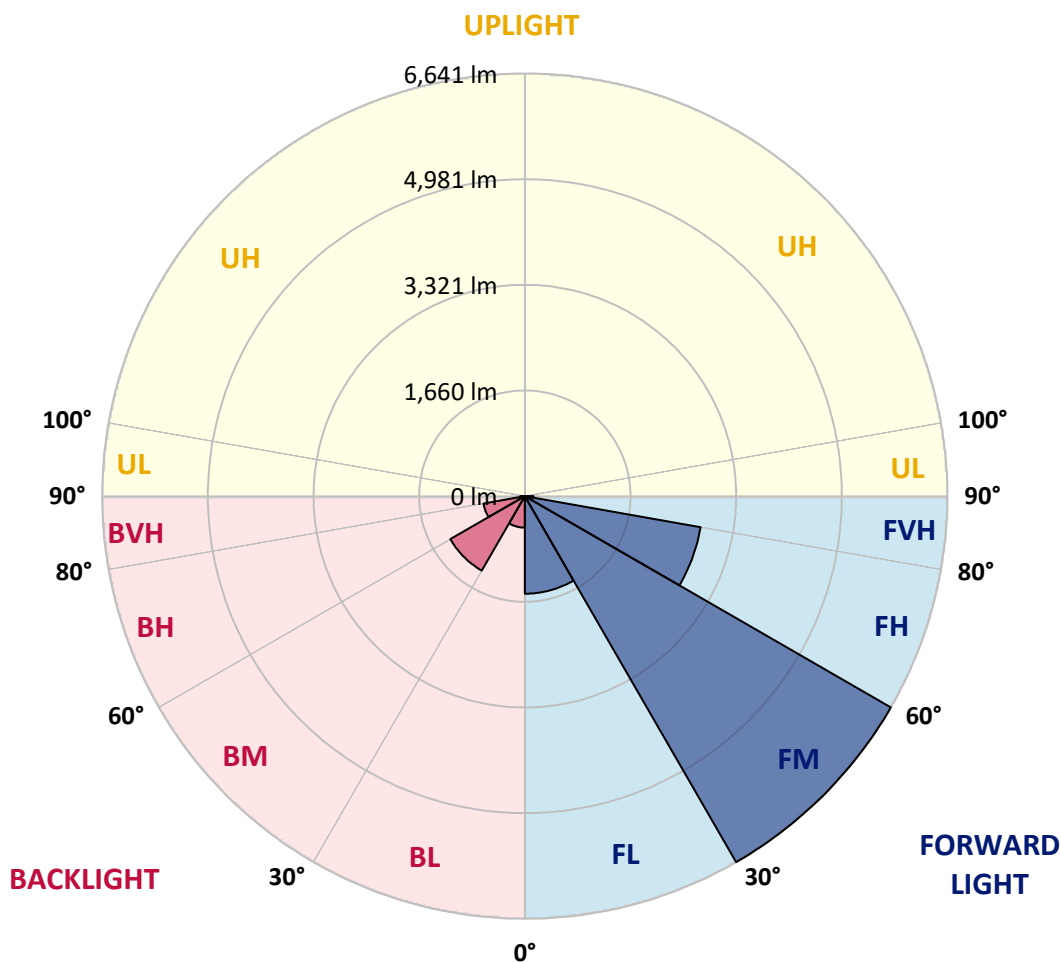
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.1	11.2			
FM (30°-60°)	6641.4	48.5			
FH (60°-80°)	2805.6	20.5			G2/5000
FVH (80°-90°)	137.4	1.0			G2/225
BL (0°-30°)	495.2	3.6	B1/500		
BM (30°-60°)	1351.7	9.9	B2/2500		
BH (60°-80°)	659.7	4.8	B2/1000		G2/1000
BVH (80°-90°)	74.1	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°	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7
2.5°	1940.0	1910.4	1894.6	1876.9	1827.6	1796.0	1736.8	1667.8	1587.9	1519.8	1507.0
5°	2349.3	2319.7	2323.7	2280.3	2208.3	2141.2	2030.7	1900.5	1748.7	1632.3	1591.8
7.5°	2638.3	2605.7	2613.6	2595.9	2537.7	2463.7	2323.7	2156.0	1934.1	1761.5	1696.4
10°	2831.6	2835.5	2841.4	2834.5	2797.1	2744.8	2605.7	2420.3	2144.2	1914.4	1825.6
12.5°	3050.5	3061.4	3059.4	3062.4	3042.6	3001.2	2865.1	2690.5	2368.0	2079.1	1963.7
15°	3329.7	3318.8	3327.7	3340.5	3318.8	3273.4	3153.1	2946.0	2602.8	2262.5	2119.5
17.5°	3635.4	3612.7	3636.4	3623.6	3607.8	3578.2	3446.0	3225.1	2845.4	2460.7	2293.1
20°	3899.7	3884.9	3897.7	3899.7	3902.7	3896.8	3760.7	3525.9	3099.9	2676.7	2480.5
22.5°	4196.6	4189.7	4187.7	4188.7	4191.7	4198.6	4105.8	3855.3	3381.9	2903.6	2682.7
25°	4611.8	4604.9	4559.5	4509.2	4479.6	4501.3	4453.0	4229.1	3693.6	3158.0	2904.6
27.5°	5077.3	5066.5	5006.3	4879.1	4784.4	4800.2	4795.3	4641.4	4052.6	3450.0	3170.9
30°	5560.6	5534.0	5451.1	5272.6	5123.7	5096.1	5109.9	5058.6	4504.3	3837.6	3541.7
32.5°	5991.6	5942.3	5832.8	5652.3	5474.8	5394.9	5396.9	5419.6	4995.5	4289.3	3930.3
35°	6254.9	6222.4	6140.5	5958.1	5759.8	5706.6	5691.8	5805.2	5446.2	4707.5	4278.4
37.5°	6397.0	6365.4	6277.6	6130.7	5980.7	5959.1	5986.7	6162.2	5958.1	5229.2	4751.9
40°	6371.3	6337.8	6280.6	6178.0	6079.4	6096.1	6218.4	6489.7	6517.3	5853.5	5426.5
42.5°	6160.2	6124.7	6119.8	6112.9	6066.6	6140.5	6361.4	6729.3	7031.1	6574.5	6243.1
45°	5787.4	5765.7	5791.4	5909.7	5967.9	6110.9	6428.5	6845.7	7482.8	7307.3	7015.3
47.5°	5315.0	5302.2	5360.4	5547.8	5736.2	6020.2	6472.9	6877.3	7793.5	7793.5	7521.3
50°	4786.4	4781.4	4858.4	5130.6	5425.5	5853.5	6468.0	6906.9	7929.6	7936.5	7699.8
52.5°	4048.6	4074.3	4279.4	4638.4	5038.9	5592.2	6398.9	6989.7	8006.5	8022.3	7819.2
55°	3198.5	3223.1	3532.8	4016.1	4529.0	5274.6	6192.8	6965.0	8021.3	8056.8	7887.2
57.5°	2553.5	2558.4	2751.7	3325.7	3960.9	4868.2	5955.1	6801.3	7977.9	8132.8	7991.8
60°	1998.2	2014.0	2143.2	2597.8	3302.0	4344.5	5689.8	6639.6	8002.6	8204.8	8086.4
62.5°	1488.3	1492.2	1612.6	1964.7	2623.5	3676.8	5329.8	6467.0	8037.1	8285.7	8124.9
65°	969.5	968.5	1084.9	1402.5	1959.7	2955.9	4764.7	6196.7	8040.1	8267.9	7948.4
67.5°	616.4	620.4	670.7	870.9	1311.7	2230.9	3995.4	5694.7	7900.0	7837.9	7305.3
70°	500.0	501.0	516.8	569.1	798.9	1524.8	3003.2	4909.7	7457.2	6980.8	6349.6
72.5°	445.8	446.8	454.7	460.6	532.6	916.2	1970.6	3986.5	6670.2	5950.2	5267.7
75°	400.4	400.4	405.4	399.4	436.9	575.0	1118.4	2997.3	5493.5	4633.5	3979.6
77.5°	351.1	350.1	350.1	347.2	377.7	420.2	560.2	2091.9	3956.9	3160.0	2581.1
80°	297.9	295.9	298.8	296.9	326.5	318.6	326.5	1291.0	2145.1	1448.8	1098.7
82.5°	231.8	231.8	240.7	242.6	269.3	230.8	229.8	612.5	814.7	541.5	405.4
85°	121.3	136.1	183.4	191.3	203.2	145.0	168.7	286.0	326.5	207.1	147.9
87.5°	36.5	38.5	112.4	126.2	125.3	73.0	103.6	138.1	152.9	91.7	60.2
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°	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7
2.5°	1474.5	1440.0	1367.0	1301.9	1252.6	1205.2	1172.7	1155.9	1134.2	1137.2	1130.3
5°	1519.8	1448.8	1319.6	1215.1	1145.1	1091.8	1059.3	1042.5	1026.7	1018.8	1024.7
7.5°	1587.9	1477.4	1296.9	1170.7	1097.7	1052.4	1034.6	1029.7	1025.7	1022.8	1027.7
10°	1675.7	1527.7	1293.0	1154.9	1087.9	1060.2	1053.3	1050.4	1046.4	1042.5	1045.4
12.5°	1765.4	1583.0	1306.8	1158.9	1103.6	1082.9	1074.0	1070.1	1060.2	1055.3	1056.3
15°	1877.9	1650.0	1325.5	1174.6	1124.3	1097.7	1085.9	1075.0	1059.3	1052.4	1055.3
17.5°	1998.2	1729.9	1351.2	1189.4	1132.2	1099.7	1076.0	1060.2	1044.5	1034.6	1035.6
20°	2134.3	1808.8	1373.9	1194.4	1128.3	1082.9	1054.3	1035.6	1014.9	1004.0	1001.1
22.5°	2275.3	1891.7	1391.6	1190.4	1106.6	1054.3	1021.8	999.1	974.4	957.7	958.7
25°	2446.9	2004.1	1406.4	1176.6	1078.0	1016.8	980.4	951.8	926.1	910.3	911.3
27.5°	2653.1	2131.3	1424.2	1154.9	1043.5	976.4	934.0	905.4	880.7	865.9	864.0
30°	2928.2	2297.0	1443.9	1128.3	1000.1	932.0	890.6	861.0	837.3	823.5	823.5
32.5°	3237.9	2499.2	1457.7	1096.7	951.8	884.7	847.2	823.5	805.8	787.0	785.1
35°	3507.2	2656.0	1500.1	1072.1	909.3	840.3	814.7	797.9	771.3	753.5	750.6
37.5°	3902.7	2932.2	1625.4	1065.2	858.1	805.8	800.9	769.3	738.7	705.2	702.2
40°	4539.8	3410.5	1771.3	1031.6	804.8	787.0	782.1	739.7	667.7	647.0	643.0
42.5°	5350.5	3986.5	1787.1	934.0	767.3	771.3	756.5	673.6	642.1	626.3	622.3
45°	6082.3	4454.0	1697.4	834.4	739.7	747.6	717.0	649.0	631.2	616.4	612.5
47.5°	6493.6	4598.0	1527.7	759.4	719.0	726.9	653.9	637.1	619.4	604.6	600.6
50°	6609.0	4472.7	1330.5	716.0	703.2	706.2	637.1	627.3	611.5	599.7	593.7
52.5°	6631.7	4285.3	1148.0	690.4	691.4	664.7	622.3	614.4	604.6	585.8	578.9
55°	6641.5	4116.7	984.3	674.6	683.5	611.5	606.6	600.6	592.7	573.0	569.1
57.5°	6667.2	3900.7	856.1	662.8	673.6	586.8	588.8	584.9	575.0	566.1	564.1
60°	6594.2	3601.9	757.5	650.9	659.8	566.1	568.1	570.1	561.2	559.2	558.2
62.5°	6349.6	3177.8	673.6	635.2	631.2	545.4	545.4	553.3	545.4	548.4	548.4
65°	5845.6	2637.3	598.7	605.6	586.8	522.7	521.7	535.5	523.7	536.5	537.5
67.5°	4986.6	1996.2	521.7	559.2	540.5	499.1	503.0	513.8	498.1	524.7	524.7
70°	3947.1	1358.1	441.8	494.1	493.1	472.4	485.2	484.3	466.5	506.0	499.1
72.5°	2940.1	871.9	360.0	414.2	431.0	443.8	467.5	446.8	430.0	452.7	432.0
75°	2054.4	546.4	284.0	327.4	359.0	412.3	445.8	404.4	379.7	372.8	366.9
77.5°	1229.9	349.1	223.9	249.5	280.1	374.8	418.2	360.0	322.5	318.6	306.7
80°	567.1	227.8	170.6	186.4	199.2	321.5	380.7	307.7	262.3	258.4	244.6
82.5°	256.4	149.9	127.2	133.1	134.1	255.4	321.5	243.6	200.2	324.5	281.1
85°	119.3	96.7	82.8	78.9	79.9	170.6	233.7	167.7	227.8	177.5	135.1
87.5°	51.3	49.3	42.4	33.5	30.6	36.5	89.8	70.0	99.6	39.5	26.6
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)