

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: P672103

Luminaire Tested: **CCP-SA-1E-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672103
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

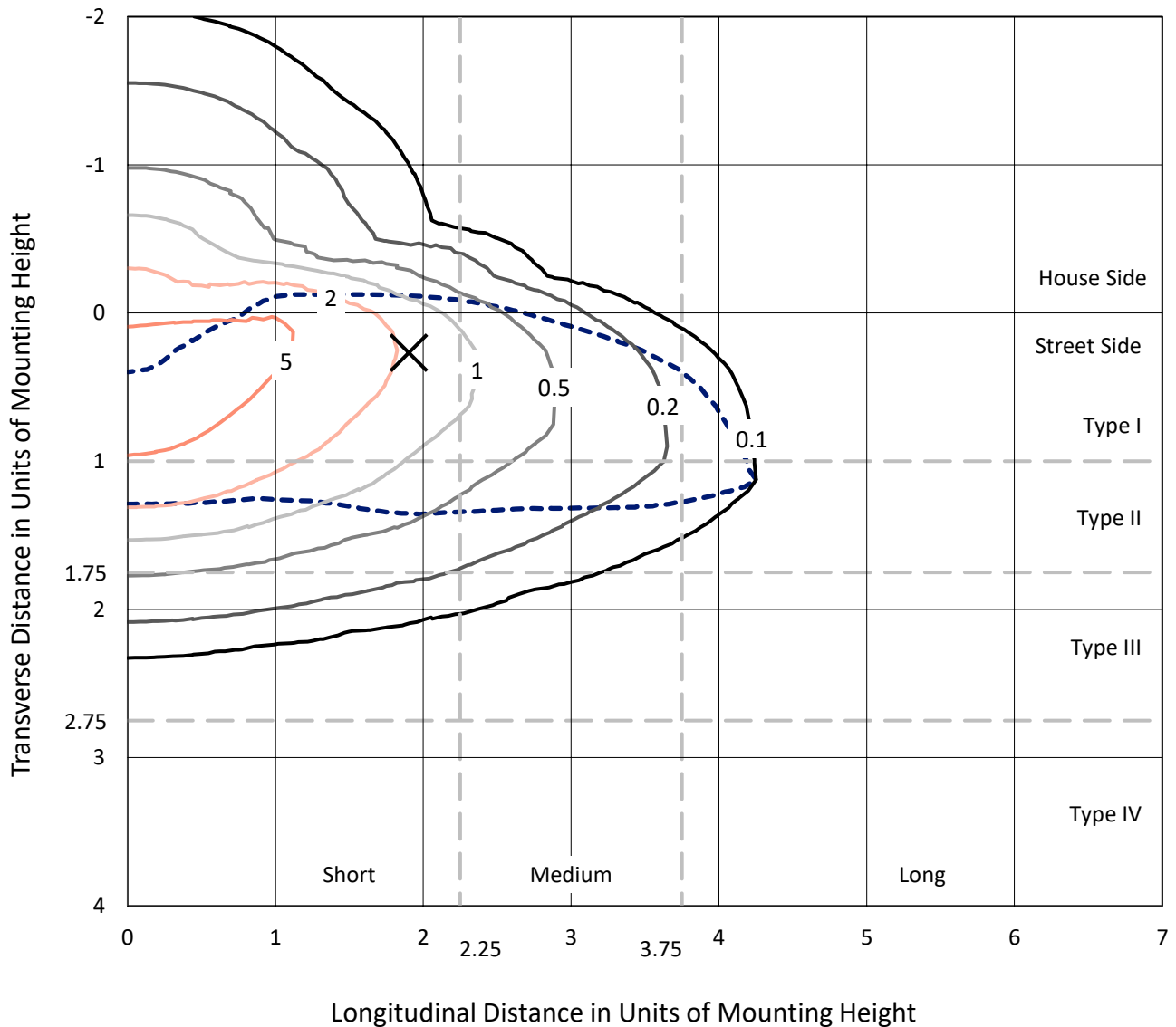
Lumens per Lamp: N/A
Luminaire Lumens: 6849.7 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

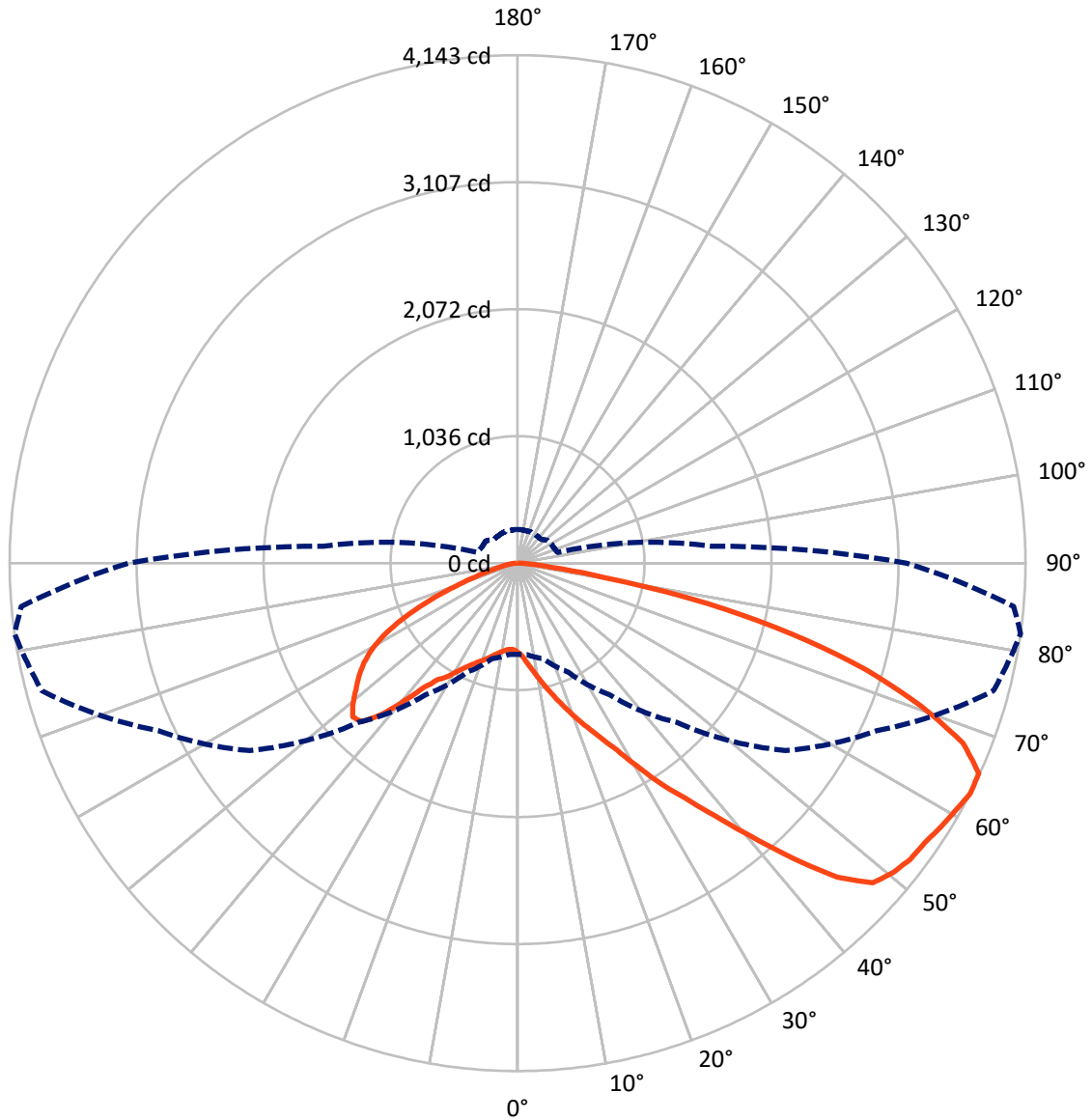
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 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	1290.4	0.0	1290.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5559.2	0.0	5559.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	6849.7	0.0	6849.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.2
10°-20°	304.0	4.4
20°-30°	629.6	9.2
30°-40°	1068.6	15.6
40°-50°	1455.2	21.2
50°-60°	1473.0	21.5
60°-70°	1160.9	16.9
70°-80°	571.9	8.3
80°-90°	105.8	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°	6849.7	100.0
0°-180°	6849.7	100.0



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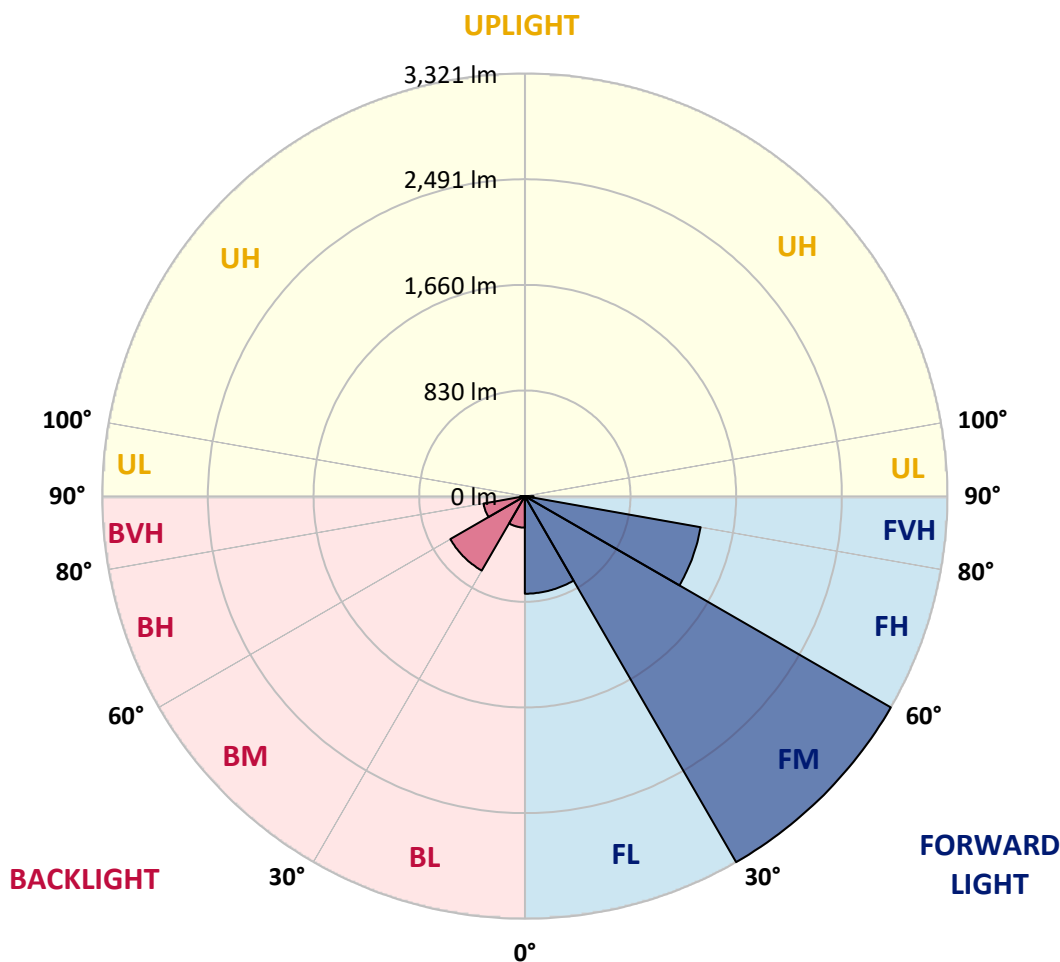
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.6	11.2			
FM (30°-60°)	3320.9	48.5			
FH (60°-80°)	1402.9	20.5			G1/1800
FVH (80°-90°)	68.7	1.0			G1/100
BL (0°-30°)	247.6	3.6	B1/500		
BM (30°-60°)	675.9	9.9	B1/1000		
BH (60°-80°)	329.9	4.8	B1/500		G1/500
BVH (80°-90°)	37.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	970.1	955.3	947.4	938.5	913.8	898.1	868.5	834.0	794.0	760.0	753.6
5°	1174.7	1159.9	1161.9	1140.2	1104.2	1070.7	1015.4	950.3	874.4	816.2	796.0
7.5°	1319.2	1303.0	1306.9	1298.0	1268.9	1231.9	1161.9	1078.1	967.1	880.8	848.3
10°	1415.9	1417.9	1420.8	1417.4	1398.6	1372.5	1303.0	1210.2	1072.2	957.2	912.9
12.5°	1525.4	1530.8	1529.8	1531.3	1521.4	1500.7	1432.7	1345.4	1184.1	1039.6	981.9
15°	1664.9	1659.5	1664.0	1670.4	1659.5	1636.8	1576.7	1473.1	1301.5	1131.3	1059.8
17.5°	1817.8	1806.5	1818.3	1811.9	1804.0	1789.2	1723.1	1612.7	1422.8	1230.5	1146.6
20°	1950.0	1942.6	1949.0	1950.0	1951.5	1948.5	1880.5	1763.1	1550.0	1338.5	1240.3
22.5°	2098.4	2095.0	2094.0	2094.5	2096.0	2099.4	2053.1	1927.8	1691.1	1451.9	1341.4
25°	2306.1	2302.6	2279.9	2254.8	2240.0	2250.8	2226.7	2114.7	1846.9	1579.1	1452.4
27.5°	2538.8	2533.4	2503.3	2439.7	2392.4	2400.3	2397.8	2320.9	2026.4	1725.1	1585.5
30°	2780.5	2767.2	2725.8	2636.5	2562.0	2548.2	2555.1	2529.5	2252.3	1918.9	1771.0
32.5°	2996.0	2971.4	2916.6	2826.4	2737.6	2697.6	2698.6	2710.0	2497.9	2144.8	1965.3
35°	3127.7	3111.4	3070.5	2979.3	2880.1	2853.5	2846.1	2902.8	2723.3	2353.9	2139.4
37.5°	3198.7	3182.9	3139.0	3065.6	2990.6	2979.7	2993.6	3081.3	2979.3	2614.8	2376.1
40°	3185.9	3169.1	3140.5	3089.2	3039.9	3048.3	3109.4	3245.1	3258.9	2927.0	2713.4
42.5°	3080.4	3062.6	3060.1	3056.7	3033.5	3070.5	3181.0	3364.9	3515.8	3287.5	3121.8
45°	2893.9	2883.1	2895.9	2955.1	2984.2	3055.7	3214.5	3423.1	3741.7	3653.9	3507.9
47.5°	2657.7	2651.3	2680.4	2774.1	2868.3	3010.3	3236.7	3438.9	3897.0	3897.0	3760.9
50°	2393.4	2390.9	2429.4	2565.5	2712.9	2927.0	3234.2	3453.7	3965.1	3968.6	3850.2
52.5°	2024.5	2037.3	2139.9	2319.4	2519.6	2796.3	3199.7	3495.1	4003.6	4011.5	3909.9
55°	1599.4	1611.7	1766.5	2008.2	2264.6	2637.5	3096.6	3482.8	4011.0	4028.7	3943.9
57.5°	1276.8	1279.3	1375.9	1663.0	1980.6	2434.3	2977.8	3400.9	3989.3	4066.7	3996.2
60°	999.2	1007.1	1071.7	1299.0	1651.1	2172.4	2845.1	3320.0	4001.6	4102.7	4043.5
62.5°	744.2	746.2	806.3	982.4	1311.8	1838.5	2665.1	3233.7	4018.9	4143.1	4062.7
65°	484.8	484.3	542.5	701.3	979.9	1478.0	2382.5	3098.6	4020.3	4134.3	3974.5
67.5°	308.2	310.2	335.4	435.5	655.9	1115.6	1997.8	2847.6	3950.3	3919.2	3652.9
70°	250.0	250.5	258.4	284.6	399.5	762.4	1501.7	2455.0	3728.9	3490.7	3175.0
72.5°	222.9	223.4	227.4	230.3	266.3	458.2	985.4	1993.4	3335.3	2975.3	2634.0
75°	200.2	200.2	202.7	199.7	218.5	287.5	559.3	1498.7	2747.0	2316.9	1989.9
77.5°	175.6	175.1	175.1	173.6	188.9	210.1	280.1	1046.0	1978.6	1580.1	1290.6
80°	148.9	148.0	149.4	148.4	163.2	159.3	163.2	645.6	1072.6	724.5	549.4
82.5°	115.9	115.9	120.3	121.3	134.6	115.4	114.9	306.3	407.4	270.8	202.7
85°	60.7	68.1	91.7	95.7	101.6	72.5	84.3	143.0	163.2	103.6	74.0
87.5°	18.2	19.2	56.2	63.1	62.6	36.5	51.8	69.0	76.4	45.9	30.1
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	737.3	720.0	683.5	651.0	626.3	602.7	586.4	578.0	567.1	568.6	565.2
5°	760.0	724.5	659.9	607.6	572.6	545.9	529.7	521.3	513.4	509.4	512.4
7.5°	794.0	738.8	648.5	585.4	548.9	526.2	517.3	514.9	512.9	511.4	513.9
10°	837.9	763.9	646.5	577.5	544.0	530.2	526.7	525.2	523.3	521.3	522.8
12.5°	882.8	791.5	653.5	579.5	551.9	541.5	537.1	535.1	530.2	527.7	528.2
15°	939.0	825.1	662.8	587.4	562.2	548.9	543.0	537.6	529.7	526.2	527.7
17.5°	999.2	865.0	675.6	594.8	566.2	549.9	538.1	530.2	522.3	517.3	517.8
20°	1067.2	904.5	687.0	597.2	564.2	541.5	527.2	517.8	507.5	502.0	500.6
22.5°	1137.7	945.9	695.9	595.3	553.3	527.2	510.9	499.6	487.3	478.9	479.4
25°	1223.6	1002.1	703.3	588.4	539.0	508.5	490.2	475.9	463.1	455.2	455.7
27.5°	1326.6	1065.7	712.1	577.5	521.8	488.2	467.0	452.7	440.4	433.0	432.0
30°	1464.2	1148.6	722.0	564.2	500.1	466.0	445.3	430.5	418.7	411.8	411.8
32.5°	1619.1	1249.7	728.9	548.4	475.9	442.4	423.6	411.8	402.9	393.6	392.6
35°	1753.7	1328.1	750.1	536.1	454.7	420.2	407.4	399.0	385.7	376.8	375.3
37.5°	1951.5	1466.2	812.7	532.6	429.1	402.9	400.5	384.7	369.4	352.6	351.1
40°	2270.1	1705.4	885.7	515.9	402.4	393.6	391.1	369.9	333.9	323.5	321.5
42.5°	2675.5	1993.4	893.6	467.0	383.7	385.7	378.3	336.8	321.1	313.2	311.2
45°	3041.4	2227.2	848.7	417.2	369.9	373.8	358.5	324.5	315.6	308.2	306.3
47.5°	3247.0	2299.2	763.9	379.7	359.5	363.5	327.0	318.6	309.7	302.3	300.3
50°	3304.7	2236.5	665.3	358.0	351.6	353.1	318.6	313.7	305.8	299.8	296.9
52.5°	3316.1	2142.8	574.1	345.2	345.7	332.4	311.2	307.2	302.3	292.9	289.5
55°	3321.0	2058.5	492.2	337.3	341.8	305.8	303.3	300.3	296.4	286.5	284.6
57.5°	3333.8	1950.5	428.1	331.4	336.8	293.4	294.4	292.5	287.5	283.1	282.1
60°	3297.3	1801.1	378.8	325.5	329.9	283.1	284.1	285.1	280.6	279.6	279.1
62.5°	3175.0	1589.0	336.8	317.6	315.6	272.7	272.7	276.7	272.7	274.2	274.2
65°	2923.0	1318.7	299.4	302.8	293.4	261.4	260.9	267.8	261.9	268.3	268.8
67.5°	2493.5	998.2	260.9	279.6	270.3	249.5	251.5	256.9	249.1	262.4	262.4
70°	1973.7	679.1	220.9	247.1	246.6	236.2	242.6	242.1	233.3	253.0	249.5
72.5°	1470.1	436.0	180.0	207.1	215.5	221.9	233.8	223.4	215.0	226.4	216.0
75°	1027.3	273.2	142.0	163.7	179.5	206.1	222.9	202.2	189.9	186.4	183.5
77.5°	615.0	174.6	111.9	124.8	140.1	187.4	209.1	180.0	161.3	159.3	153.4
80°	283.6	113.9	85.3	93.2	99.6	160.8	190.4	153.9	131.2	129.2	122.3
82.5°	128.2	75.0	63.6	66.6	67.1	127.7	160.8	121.8	100.1	162.3	140.6
85°	59.7	48.3	41.4	39.5	39.9	85.3	116.9	83.8	113.9	88.8	67.6
87.5°	25.6	24.7	21.2	16.8	15.3	18.2	44.9	35.0	49.8	19.7	13.3
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)