

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: P672135

Luminaire Tested: **CCP-SA-1D-760-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672135  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-760-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

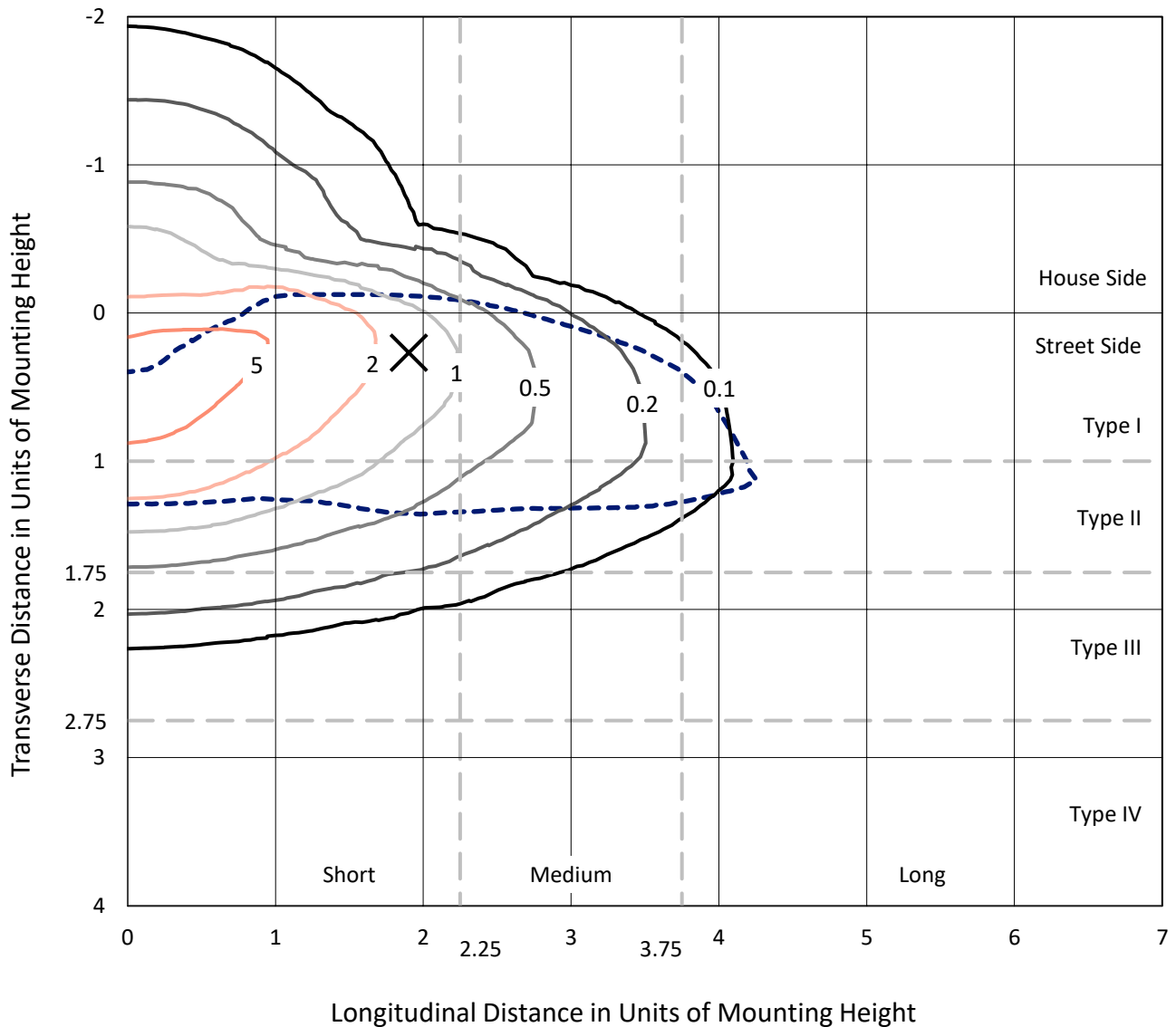
Lumens per Lamp: N/A  
Luminaire Lumens: 5794.5 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

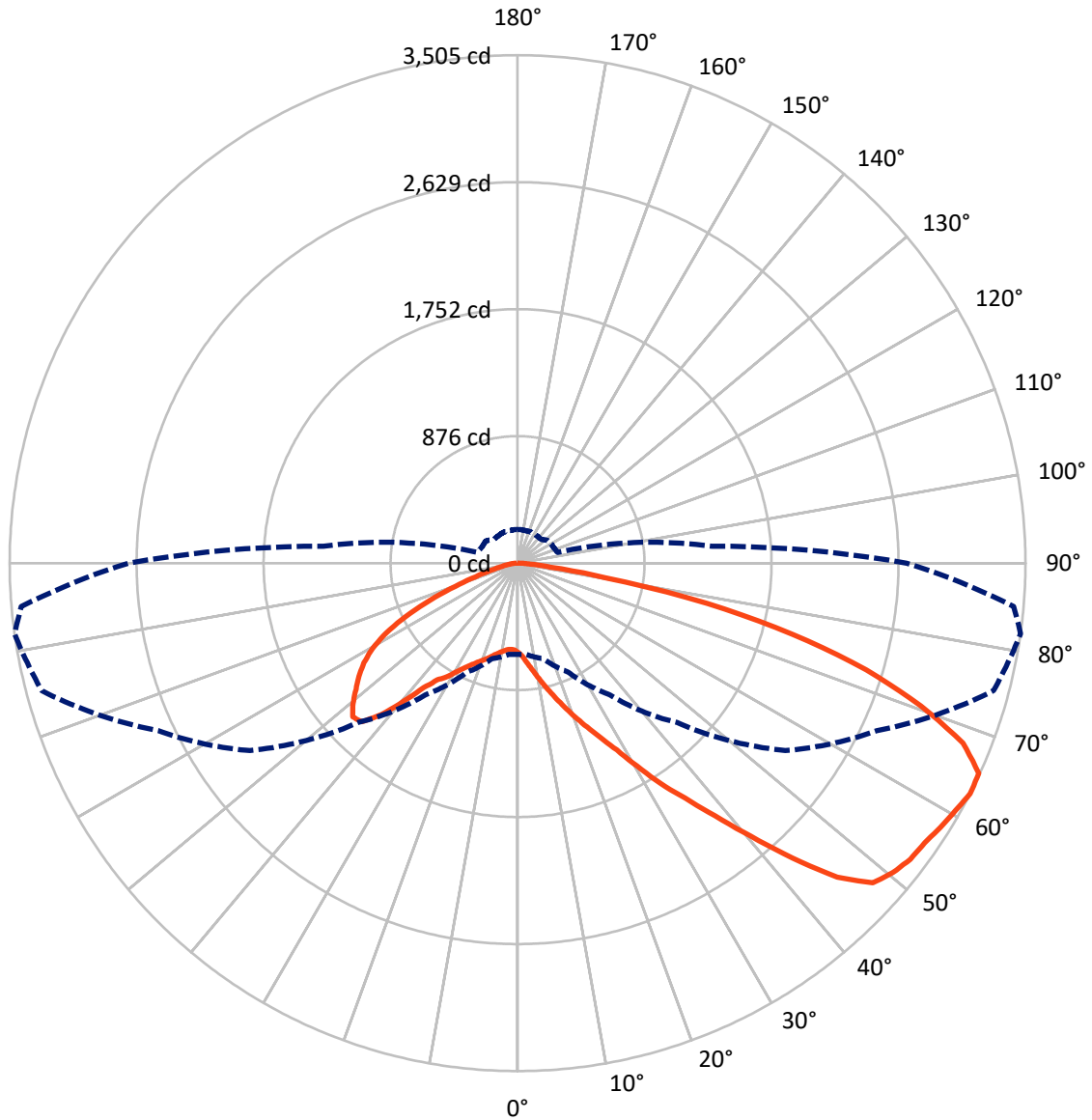
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 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
<b>House Side</b>	Lumens	1091.7	0.0	1091.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4702.9	0.0	4702.9
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5794.5	0.0	5794.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	1.2
10°-20°	257.2	4.4
20°-30°	532.6	9.2
30°-40°	904.0	15.6
40°-50°	1231.1	21.2
50°-60°	1246.1	21.5
60°-70°	982.1	16.9
70°-80°	483.8	8.3
80°-90°	89.5	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°	5794.5	100.0
0°-180°	5794.5	100.0



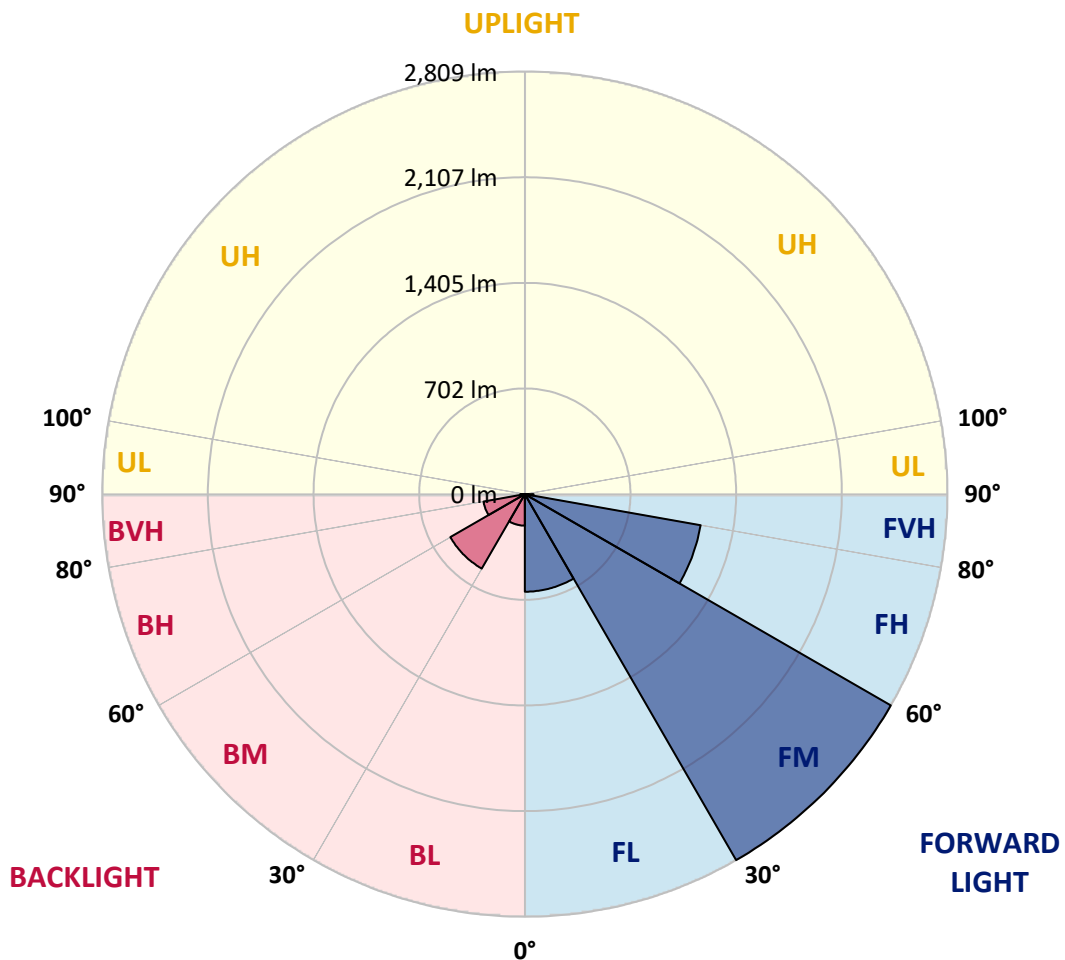
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.5	11.2			
FM (30°-60°)	2809.4	48.5			
FH (60°-80°)	1186.8	20.5			G1/1800
FVH (80°-90°)	58.1	1.0			G1/100
BL (0°-30°)	209.5	3.6	B1/500		
BM (30°-60°)	571.8	9.9	B1/1000		
BH (60°-80°)	279.1	4.8	B1/500		G1/500
BVH (80°-90°)	31.3	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°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	820.6	808.1	801.4	793.9	773.1	759.7	734.7	705.5	671.7	642.9	637.5
5°	993.8	981.3	982.9	964.6	934.1	905.7	859.0	803.9	739.7	690.5	673.4
7.5°	1116.0	1102.2	1105.6	1098.1	1073.5	1042.2	982.9	912.0	818.1	745.1	717.6
10°	1197.8	1199.5	1202.0	1199.0	1183.2	1161.1	1102.2	1023.8	907.0	809.8	772.2
12.5°	1290.4	1295.0	1294.2	1295.4	1287.1	1269.5	1212.0	1138.1	1001.7	879.5	830.7
15°	1408.5	1403.9	1407.6	1413.1	1403.9	1384.7	1333.8	1246.2	1101.0	957.1	896.6
17.5°	1537.8	1528.2	1538.2	1532.8	1526.1	1513.6	1457.7	1364.3	1203.6	1040.9	970.0
20°	1649.6	1643.4	1648.8	1649.6	1650.9	1648.4	1590.8	1491.5	1311.3	1132.3	1049.3
22.5°	1775.2	1772.3	1771.4	1771.9	1773.1	1776.0	1736.8	1630.8	1430.6	1228.2	1134.8
25°	1950.8	1947.9	1928.7	1907.5	1894.9	1904.1	1883.7	1789.0	1562.4	1335.9	1228.7
27.5°	2147.8	2143.2	2117.7	2063.9	2023.8	2030.5	2028.4	1963.4	1714.3	1459.4	1341.3
30°	2352.2	2340.9	2305.9	2230.4	2167.4	2155.7	2161.5	2139.8	1905.4	1623.3	1498.2
32.5°	2534.5	2513.6	2467.3	2391.0	2315.9	2282.1	2282.9	2292.5	2113.1	1814.4	1662.6
35°	2645.9	2632.1	2597.5	2520.3	2436.5	2413.9	2407.7	2455.7	2303.8	1991.3	1809.8
37.5°	2706.0	2692.6	2655.5	2593.3	2529.9	2520.7	2532.4	2606.7	2520.3	2212.0	2010.1
40°	2695.1	2680.9	2656.7	2613.4	2571.6	2578.7	2630.5	2745.2	2756.9	2476.1	2295.4
42.5°	2605.8	2590.8	2588.7	2585.8	2566.2	2597.5	2691.0	2846.6	2974.2	2781.1	2640.9
45°	2448.1	2439.0	2449.8	2499.9	2524.5	2585.0	2719.3	2895.8	3165.3	3091.1	2967.6
47.5°	2248.3	2242.9	2267.5	2346.8	2426.5	2546.6	2738.1	2909.2	3296.7	3296.7	3181.6
50°	2024.7	2022.6	2055.1	2170.3	2295.0	2476.1	2736.0	2921.7	3354.3	3357.2	3257.1
52.5°	1712.6	1723.5	1810.2	1962.1	2131.5	2365.5	2706.8	2956.7	3386.9	3393.5	3307.6
55°	1353.0	1363.4	1494.4	1698.8	1915.8	2231.2	2619.6	2946.3	3393.1	3408.1	3336.4
57.5°	1080.1	1082.2	1164.0	1406.8	1675.5	2059.3	2519.1	2877.0	3374.8	3440.3	3380.6
60°	845.3	851.9	906.6	1098.9	1396.8	1837.8	2406.8	2808.6	3385.2	3470.7	3420.6
62.5°	629.6	631.2	682.1	831.1	1109.8	1555.3	2254.6	2735.6	3399.8	3504.9	3436.9
65°	410.1	409.7	458.9	593.3	829.0	1250.4	2015.5	2621.3	3401.0	3497.4	3362.2
67.5°	260.8	262.4	283.7	368.4	554.9	943.7	1690.1	2408.9	3341.8	3315.5	3090.2
70°	211.5	211.9	218.6	240.7	337.9	645.0	1270.4	2076.8	3154.5	2953.0	2686.0
72.5°	188.6	189.0	192.3	194.8	225.3	387.6	833.6	1686.3	2821.5	2517.0	2228.3
75°	169.4	169.4	171.5	169.0	184.8	243.2	473.1	1267.9	2323.8	1960.0	1683.4
77.5°	148.5	148.1	148.1	146.9	159.8	177.7	237.0	884.9	1673.8	1336.7	1091.8
80°	126.0	125.2	126.4	125.6	138.1	134.8	138.1	546.1	907.4	612.9	464.8
82.5°	98.0	98.0	101.8	102.6	113.9	97.6	97.2	259.1	344.6	229.0	171.5
85°	51.3	57.6	77.6	80.9	85.9	61.3	71.3	121.0	138.1	87.6	62.6
87.5°	15.4	16.3	47.6	53.4	53.0	30.9	43.8	58.4	64.7	38.8	25.4
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°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	623.7	609.1	578.2	550.7	529.8	509.8	496.1	489.0	479.8	481.0	478.1
5°	642.9	612.9	558.2	514.0	484.4	461.8	448.1	441.0	434.3	431.0	433.5
7.5°	671.7	625.0	548.6	495.2	464.3	445.2	437.6	435.6	433.9	432.6	434.7
10°	708.8	646.2	547.0	488.5	460.2	448.5	445.6	444.3	442.7	441.0	442.2
12.5°	746.8	669.6	552.8	490.2	466.8	458.1	454.3	452.7	448.5	446.4	446.8
15°	794.4	698.0	560.7	496.9	475.6	464.3	459.3	454.8	448.1	445.2	446.4
17.5°	845.3	731.8	571.6	503.1	478.9	465.2	455.2	448.5	441.8	437.6	438.1
20°	902.8	765.1	581.2	505.2	477.3	458.1	446.0	438.1	429.3	424.7	423.5
22.5°	962.5	800.2	588.7	503.6	468.1	446.0	432.2	422.6	412.2	405.1	405.5
25°	1035.1	847.8	594.9	497.7	456.0	430.1	414.7	402.6	391.8	385.1	385.5
27.5°	1122.3	901.6	602.4	488.5	441.4	413.0	395.1	383.0	372.6	366.3	365.5
30°	1238.7	971.7	610.8	477.3	423.0	394.3	376.7	364.2	354.2	348.4	348.4
32.5°	1369.7	1057.2	616.6	463.9	402.6	374.2	358.4	348.4	340.9	332.9	332.1
35°	1483.6	1123.5	634.6	453.5	384.7	355.5	344.6	337.5	326.3	318.7	317.5
37.5°	1650.9	1240.3	687.5	450.6	363.0	340.9	338.8	325.4	312.5	298.3	297.0
40°	1920.4	1442.7	749.3	436.4	340.4	332.9	330.8	312.9	282.4	273.7	272.0
42.5°	2263.3	1686.3	756.0	395.1	324.6	326.3	320.0	284.9	271.6	264.9	263.3
45°	2572.9	1884.1	718.0	353.0	312.9	316.2	303.3	274.5	267.0	260.8	259.1
47.5°	2746.9	1945.0	646.2	321.2	304.1	307.5	276.6	269.5	262.0	255.7	254.1
50°	2795.7	1892.0	562.8	302.9	297.5	298.7	269.5	265.3	258.7	253.7	251.2
52.5°	2805.3	1812.7	485.6	292.0	292.5	281.2	263.3	259.9	255.7	247.8	244.9
55°	2809.4	1741.4	416.4	285.4	289.1	258.7	256.6	254.1	250.7	242.4	240.7
57.5°	2820.3	1650.0	362.1	280.4	284.9	248.2	249.1	247.4	243.2	239.5	238.6
60°	2789.4	1523.6	320.4	275.4	279.1	239.5	240.3	241.1	237.4	236.6	236.1
62.5°	2686.0	1344.2	284.9	268.7	267.0	230.7	230.7	234.1	230.7	232.0	232.0
65°	2472.8	1115.6	253.2	256.2	248.2	221.1	220.7	226.5	221.5	227.0	227.4
67.5°	2109.4	844.4	220.7	236.6	228.6	211.1	212.8	217.4	210.7	222.0	222.0
70°	1669.6	574.5	186.9	209.0	208.6	199.8	205.3	204.8	197.3	214.0	211.1
72.5°	1243.7	368.8	152.3	175.2	182.3	187.7	197.8	189.0	181.9	191.5	182.7
75°	869.0	231.1	120.2	138.5	151.9	174.4	188.6	171.1	160.6	157.7	155.2
77.5°	520.3	147.7	94.7	105.6	118.5	158.5	176.9	152.3	136.4	134.8	129.8
80°	239.9	96.4	72.2	78.9	84.3	136.0	161.0	130.2	111.0	109.3	103.5
82.5°	108.5	63.4	53.8	56.3	56.7	108.1	136.0	103.0	84.7	137.3	118.9
85°	50.5	40.9	35.0	33.4	33.8	72.2	98.9	70.9	96.4	75.1	57.2
87.5°	21.7	20.9	17.9	14.2	12.9	15.4	38.0	29.6	42.1	16.7	11.3
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)