

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: P672169

Luminaire Tested: **CCP-SA-1E-835-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672169  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-835-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

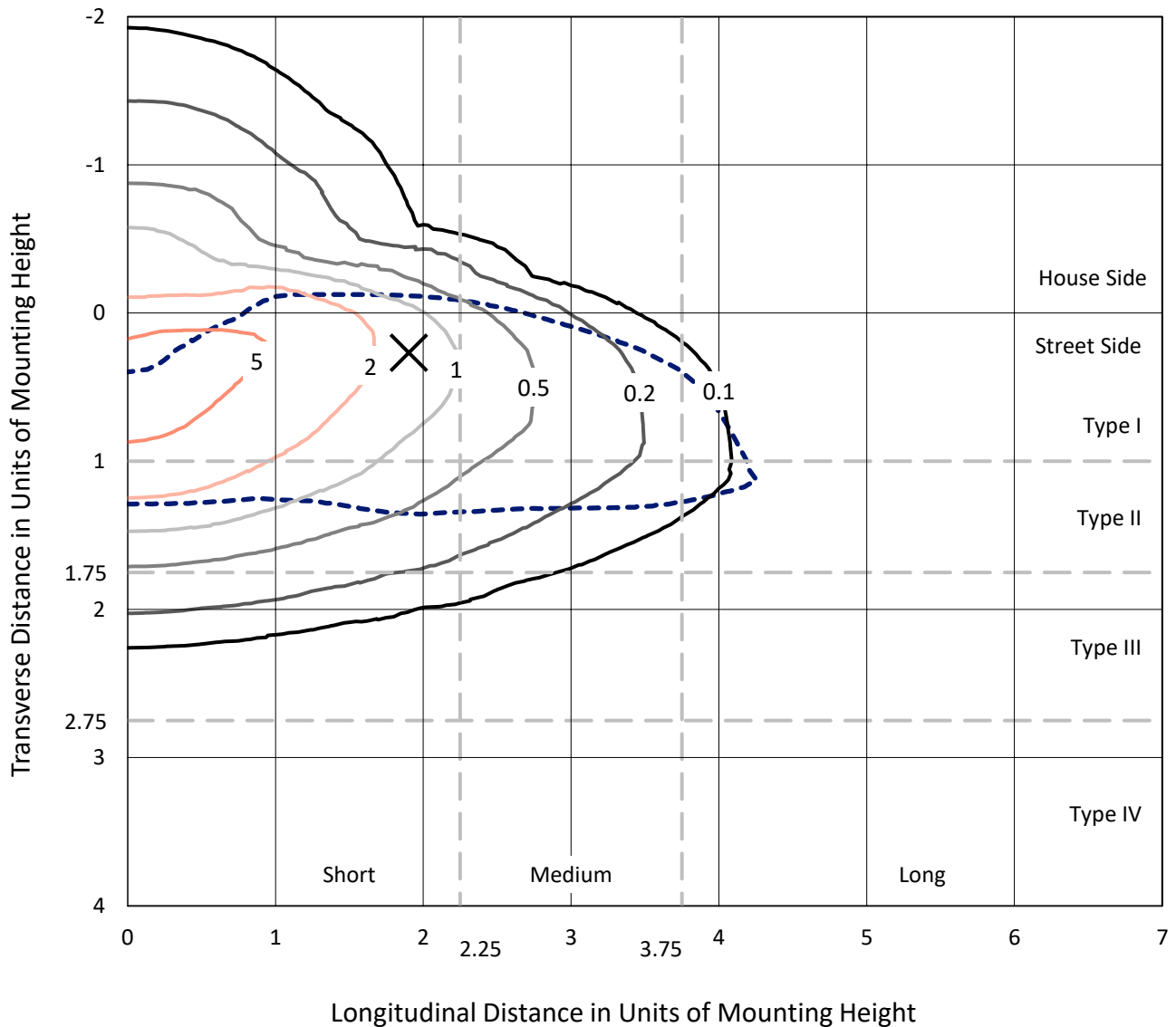
Lumens per Lamp: N/A  
Luminaire Lumens: 5722.5 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (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

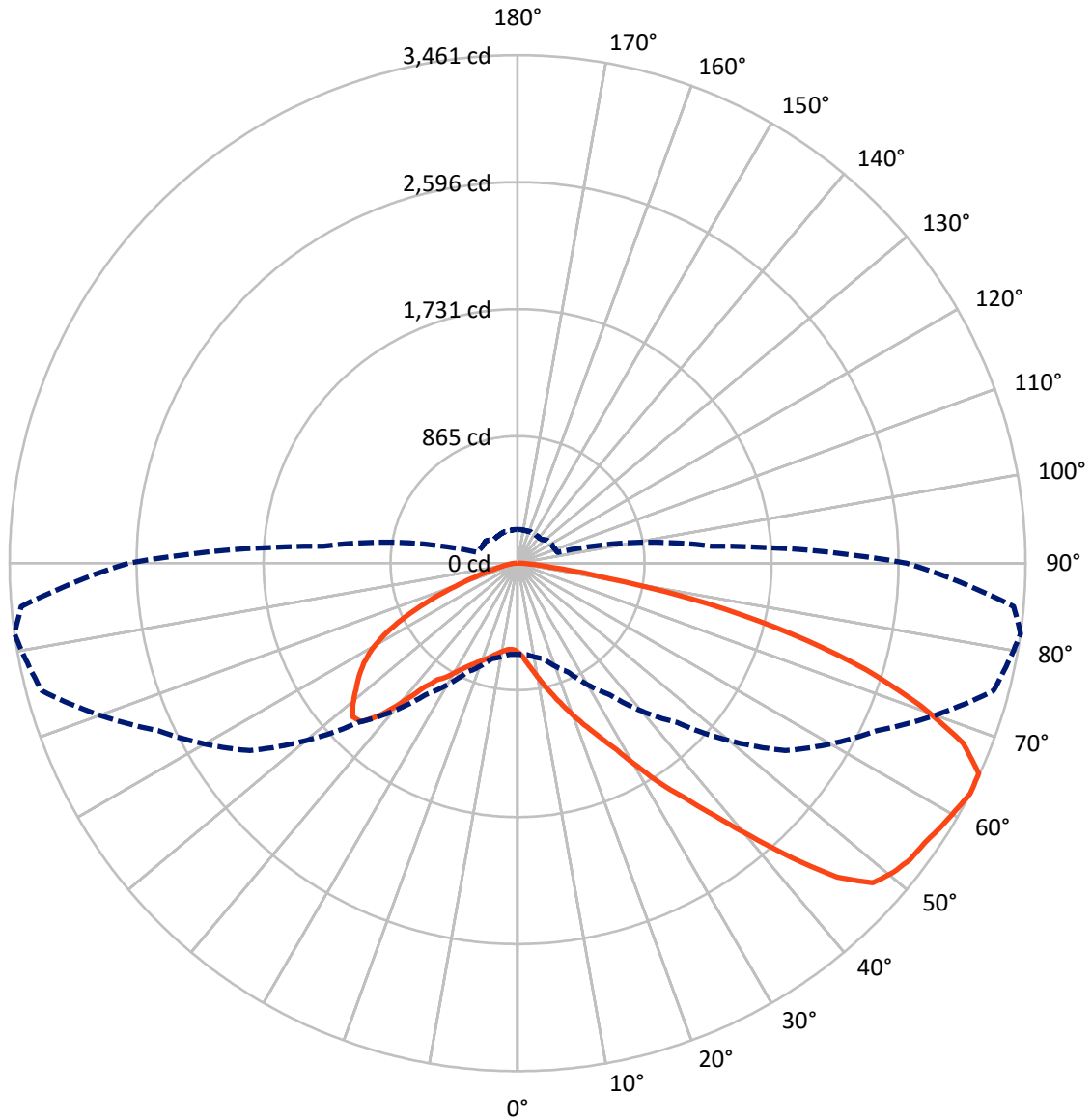
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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	1078.1	0.0	1078.1
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4644.4	0.0	4644.4
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5722.5	0.0	5722.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.3	1.2
10°-20°	254.0	4.4
20°-30°	526.0	9.2
30°-40°	892.8	15.6
40°-50°	1215.8	21.2
50°-60°	1230.6	21.5
60°-70°	969.9	16.9
70°-80°	477.8	8.3
80°-90°	88.4	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°	5722.5	100.0
0°-180°	5722.5	100.0

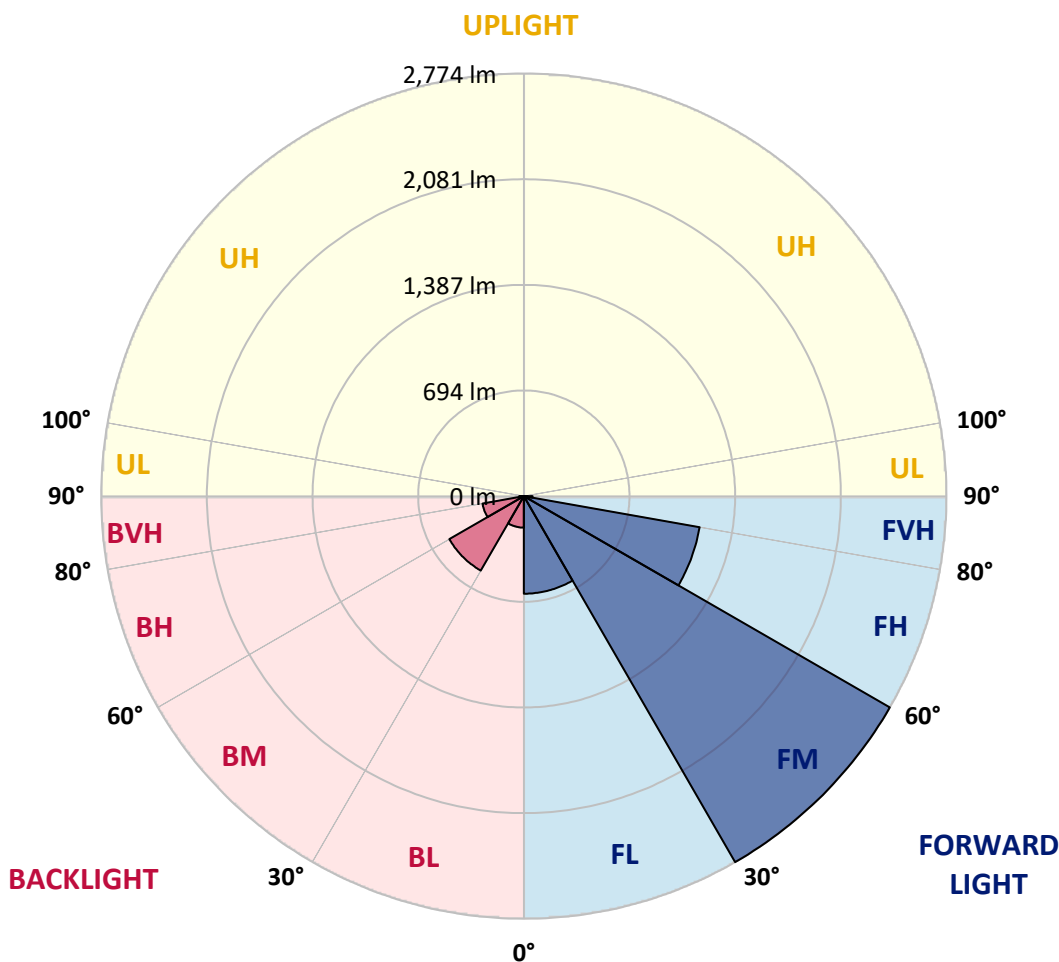


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	640.5	11.2			
FM (30°-60°)	2774.5	48.5			
FH (60°-80°)	1172.1	20.5			G1/1800
FVH (80°-90°)	57.4	1.0			G1/100
BL (0°-30°)	206.9	3.6	B1/500		
BM (30°-60°)	564.7	9.9	B1/1000		
BH (60°-80°)	275.6	4.8	B1/500		G1/500
BVH (80°-90°)	31.0	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°	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6
2.5°	810.4	798.1	791.5	784.1	763.5	750.3	725.6	696.7	663.3	634.9	629.6
5°	981.4	969.1	970.7	952.6	922.5	894.5	848.3	794.0	730.5	681.9	665.0
7.5°	1102.1	1088.6	1091.8	1084.4	1060.1	1029.2	970.7	900.7	808.0	735.9	708.7
10°	1182.9	1184.6	1187.0	1184.1	1168.5	1146.6	1088.6	1011.1	895.7	799.7	762.6
12.5°	1274.4	1278.9	1278.1	1279.3	1271.1	1253.8	1196.9	1124.0	989.3	868.5	820.3
15°	1391.0	1386.4	1390.1	1395.5	1386.4	1367.5	1317.2	1230.7	1087.3	945.2	885.4
17.5°	1518.7	1509.2	1519.1	1513.8	1507.2	1494.8	1439.6	1347.3	1188.7	1028.0	957.9
20°	1629.1	1622.9	1628.3	1629.1	1630.4	1627.9	1571.0	1473.0	1295.0	1118.2	1036.2
22.5°	1753.1	1750.3	1749.4	1749.8	1751.1	1754.0	1715.2	1610.6	1412.8	1213.0	1120.7
25°	1926.6	1923.7	1904.8	1883.7	1871.4	1880.5	1860.3	1766.7	1543.0	1319.3	1213.4
27.5°	2121.1	2116.5	2091.4	2038.3	1998.7	2005.3	2003.2	1939.0	1693.0	1441.2	1324.6
30°	2323.0	2311.8	2277.2	2202.6	2140.4	2128.9	2134.7	2113.2	1881.7	1603.2	1479.6
32.5°	2503.0	2482.4	2436.7	2361.3	2287.1	2253.7	2254.6	2264.0	2086.9	1791.9	1641.9
35°	2613.0	2599.4	2565.2	2489.0	2406.2	2383.9	2377.8	2425.1	2275.2	1966.6	1787.3
37.5°	2672.3	2659.2	2622.5	2561.1	2498.5	2489.4	2501.0	2574.3	2489.0	2184.5	1985.1
40°	2661.6	2647.6	2623.7	2580.9	2539.7	2546.7	2597.8	2711.1	2722.6	2445.3	2266.9
42.5°	2573.5	2558.6	2556.6	2553.7	2534.3	2565.2	2657.5	2811.2	2937.3	2746.5	2608.1
45°	2417.7	2408.7	2419.4	2468.8	2493.1	2552.9	2685.5	2859.8	3126.0	3052.6	2930.7
47.5°	2220.4	2215.0	2239.3	2317.6	2396.3	2515.0	2704.1	2873.0	3255.8	3255.8	3142.1
50°	1999.5	1997.5	2029.6	2143.3	2266.5	2445.3	2702.0	2885.4	3312.6	3315.5	3216.6
52.5°	1691.3	1702.0	1787.7	1937.7	2105.0	2336.1	2673.2	2920.0	3344.8	3351.4	3266.5
55°	1336.2	1346.5	1475.8	1677.7	1892.0	2203.5	2587.1	2909.7	3350.9	3365.8	3294.9
57.5°	1066.7	1068.8	1149.5	1389.3	1654.7	2033.7	2487.8	2841.3	3332.8	3397.5	3338.6
60°	834.7	841.3	895.3	1085.3	1379.4	1814.9	2376.9	2773.7	3343.1	3427.6	3378.1
62.5°	621.7	623.4	673.6	820.7	1096.0	1536.0	2226.5	2701.6	3357.5	3461.4	3394.2
65°	405.0	404.6	453.2	585.9	818.7	1234.8	1990.5	2588.7	3358.8	3453.9	3320.5
67.5°	257.5	259.2	280.2	363.8	548.0	932.0	1669.1	2379.0	3300.3	3274.3	3051.8
70°	208.9	209.3	215.9	237.7	333.7	637.0	1254.6	2051.0	3115.3	2916.3	2652.6
72.5°	186.2	186.6	189.9	192.4	222.5	382.8	823.2	1665.4	2786.5	2485.7	2200.6
75°	167.3	167.3	169.3	166.9	182.5	240.2	467.2	1252.1	2294.9	1935.7	1662.5
77.5°	146.7	146.3	146.3	145.0	157.8	175.5	234.0	873.9	1653.0	1320.1	1078.3
80°	124.4	123.6	124.8	124.0	136.4	133.1	136.4	539.3	896.1	605.3	459.0
82.5°	96.8	96.8	100.5	101.4	112.5	96.4	96.0	255.9	340.3	226.2	169.3
85°	50.7	56.9	76.6	79.9	84.9	60.6	70.5	119.5	136.4	86.5	61.8
87.5°	15.2	16.1	47.0	52.7	52.3	30.5	43.3	57.7	63.9	38.3	25.1
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°	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6
2.5°	616.0	601.5	571.1	543.9	523.3	503.5	489.9	482.9	473.8	475.1	472.2
5°	634.9	605.3	551.3	507.6	478.4	456.1	442.5	435.5	428.9	425.6	428.1
7.5°	663.3	617.2	541.8	489.1	458.6	439.6	432.2	430.1	428.5	427.3	429.3
10°	700.0	638.2	540.2	482.5	454.5	442.9	440.0	438.8	437.2	435.5	436.7
12.5°	737.5	661.3	545.9	484.1	461.0	452.4	448.7	447.0	442.9	440.9	441.3
15°	784.5	689.3	553.8	490.7	469.7	458.6	453.6	449.1	442.5	439.6	440.9
17.5°	834.7	722.7	564.5	496.9	473.0	459.4	449.5	442.9	436.3	432.2	432.6
20°	891.6	755.6	573.9	499.0	471.3	452.4	440.4	432.6	424.0	419.4	418.2
22.5°	950.5	790.3	581.4	497.3	462.3	440.4	426.9	417.4	407.1	400.1	400.5
25°	1022.2	837.2	587.5	491.5	450.3	424.8	409.5	397.6	386.9	380.3	380.7
27.5°	1108.3	890.4	595.0	482.5	435.9	407.9	390.2	378.2	367.9	361.8	360.9
30°	1223.3	959.6	603.2	471.3	417.8	389.4	372.1	359.7	349.8	344.0	344.0
32.5°	1352.7	1044.1	609.0	458.2	397.6	369.6	353.9	344.0	336.6	328.8	328.0
35°	1465.1	1109.6	626.7	447.9	379.9	351.0	340.3	333.3	322.2	314.8	313.5
37.5°	1630.4	1224.9	679.0	445.0	358.5	336.6	334.6	321.4	308.6	294.6	293.4
40°	1896.5	1424.8	740.0	431.0	336.2	328.8	326.7	309.0	278.9	270.3	268.6
42.5°	2235.2	1665.4	746.6	390.2	320.6	322.2	316.0	281.4	268.2	261.6	260.0
45°	2540.9	1860.7	709.1	348.6	309.0	312.3	299.5	271.1	263.7	257.5	255.9
47.5°	2712.7	1920.8	638.2	317.3	300.4	303.7	273.2	266.2	258.7	252.6	250.9
50°	2760.9	1868.5	555.8	299.1	293.8	295.0	266.2	262.0	255.5	250.5	248.0
52.5°	2770.4	1790.2	479.6	288.4	288.8	277.7	260.0	256.7	252.6	244.7	241.9
55°	2774.5	1719.8	411.2	281.8	285.5	255.5	253.4	250.9	247.6	239.4	237.7
57.5°	2785.2	1629.5	357.6	276.9	281.4	245.2	246.0	244.3	240.2	236.5	235.7
60°	2754.8	1504.7	316.4	271.9	275.6	236.5	237.3	238.1	234.4	233.6	233.2
62.5°	2652.6	1327.5	281.4	265.3	263.7	227.8	227.8	231.1	227.8	229.1	229.1
65°	2442.0	1101.7	250.1	253.0	245.2	218.4	218.0	223.7	218.8	224.1	224.5
67.5°	2083.2	833.9	218.0	233.6	225.8	208.5	210.1	214.7	208.1	219.2	219.2
70°	1648.9	567.3	184.6	206.4	206.0	197.4	202.7	202.3	194.9	211.4	208.5
72.5°	1228.2	364.2	150.4	173.0	180.1	185.4	195.3	186.6	179.6	189.1	180.5
75°	858.2	228.3	118.7	136.8	150.0	172.2	186.2	168.9	158.6	155.7	153.3
77.5°	513.8	145.9	93.5	104.2	117.0	156.6	174.7	150.4	134.7	133.1	128.1
80°	236.9	95.2	71.3	77.9	83.2	134.3	159.0	128.5	109.6	107.9	102.2
82.5°	107.1	62.6	53.2	55.6	56.0	106.7	134.3	101.8	83.6	135.6	117.4
85°	49.9	40.4	34.6	33.0	33.4	71.3	97.6	70.0	95.2	74.2	56.4
87.5°	21.4	20.6	17.7	14.0	12.8	15.2	37.5	29.3	41.6	16.5	11.1
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)