

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: P672167

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672167  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-835-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

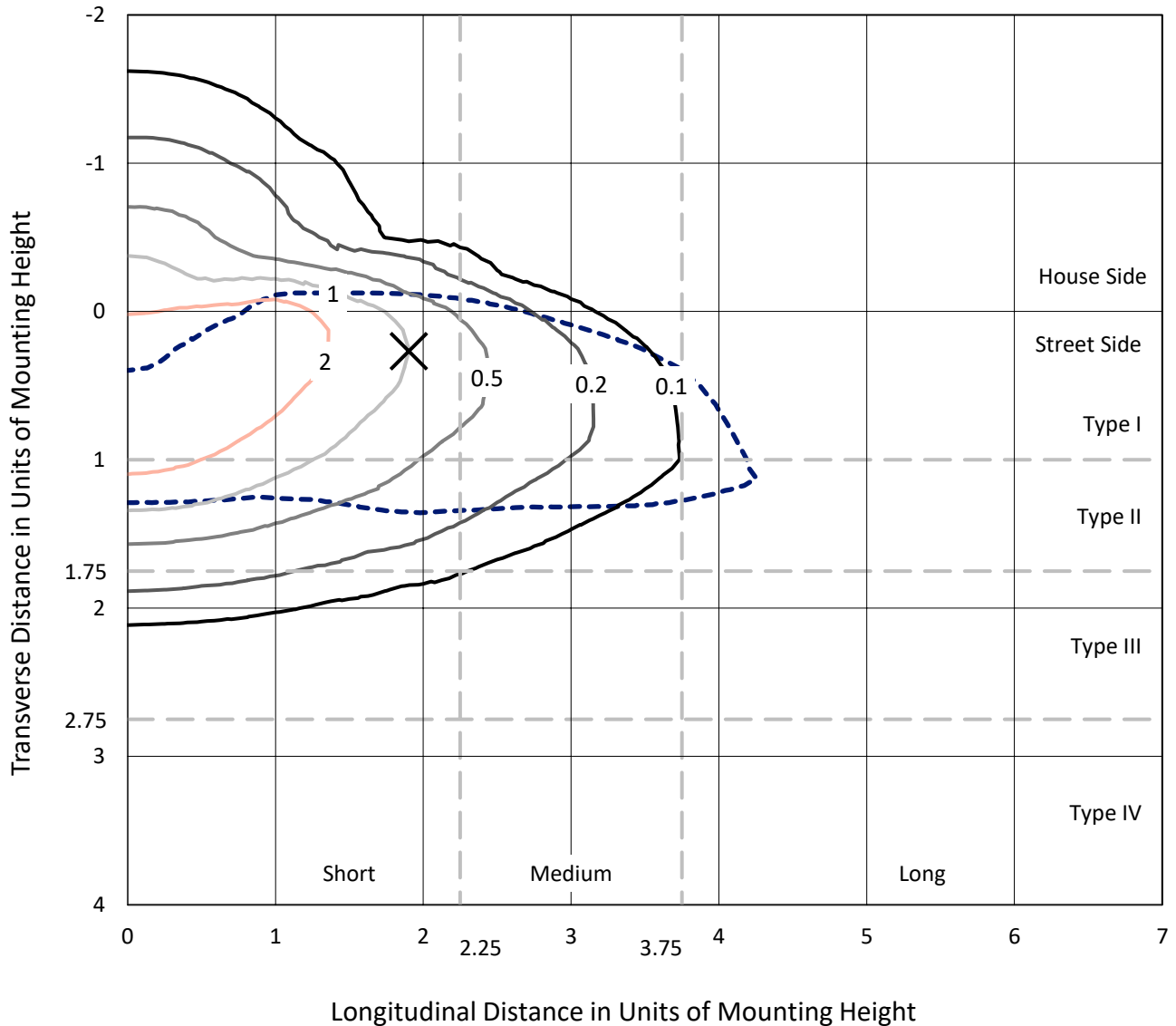
Lumens per Lamp: N/A  
Luminaire Lumens: 3784.2 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

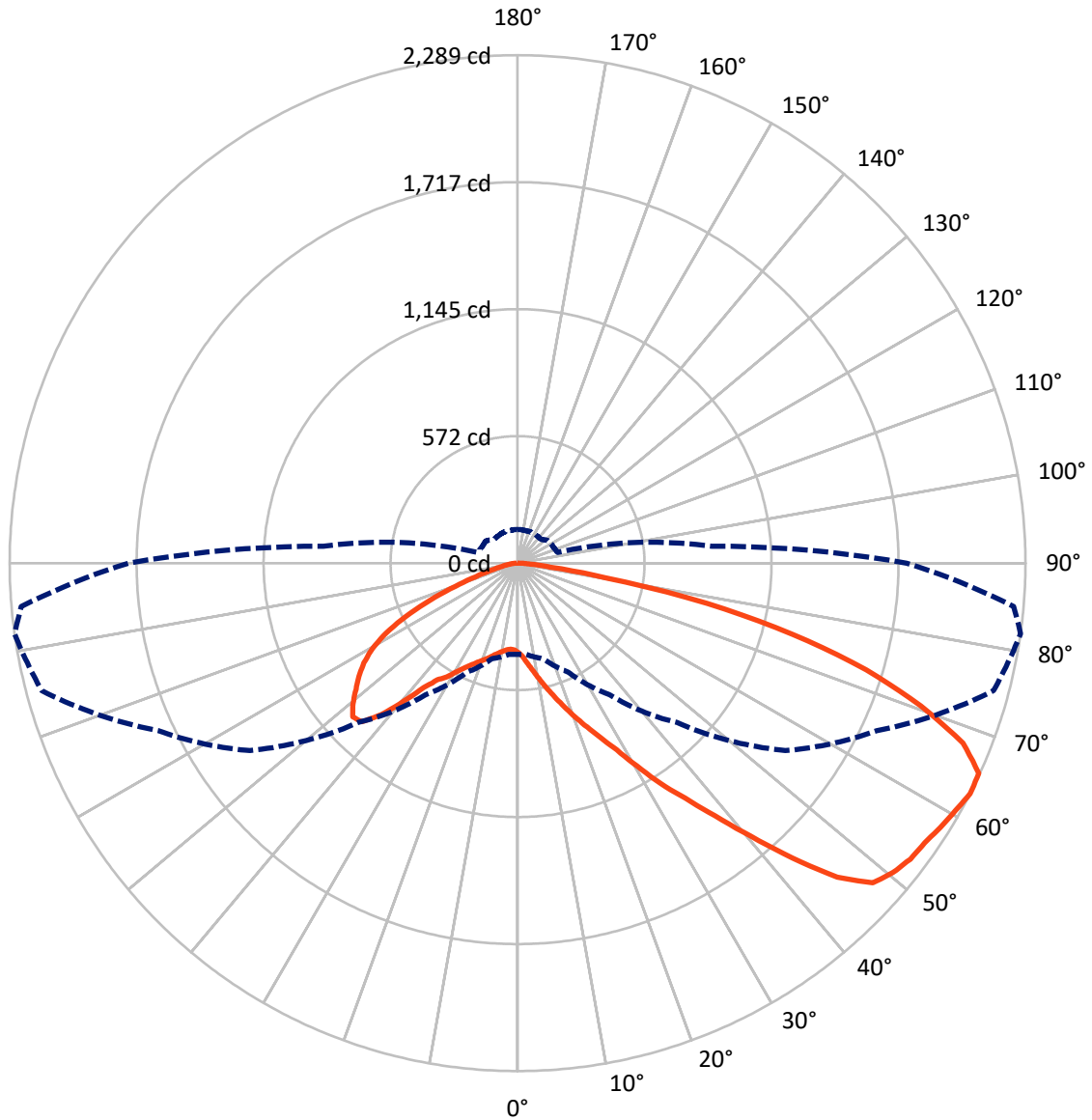
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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	712.9	0.0	712.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	3071.3	0.0	3071.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	3784.2	0.0	3784.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.5	1.2
10°-20°	168.0	4.4
20°-30°	347.8	9.2
30°-40°	590.4	15.6
40°-50°	804.0	21.2
50°-60°	813.8	21.5
60°-70°	641.4	16.9
70°-80°	315.9	8.3
80°-90°	58.4	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°	3784.2	100.0
0°-180°	3784.2	100.0



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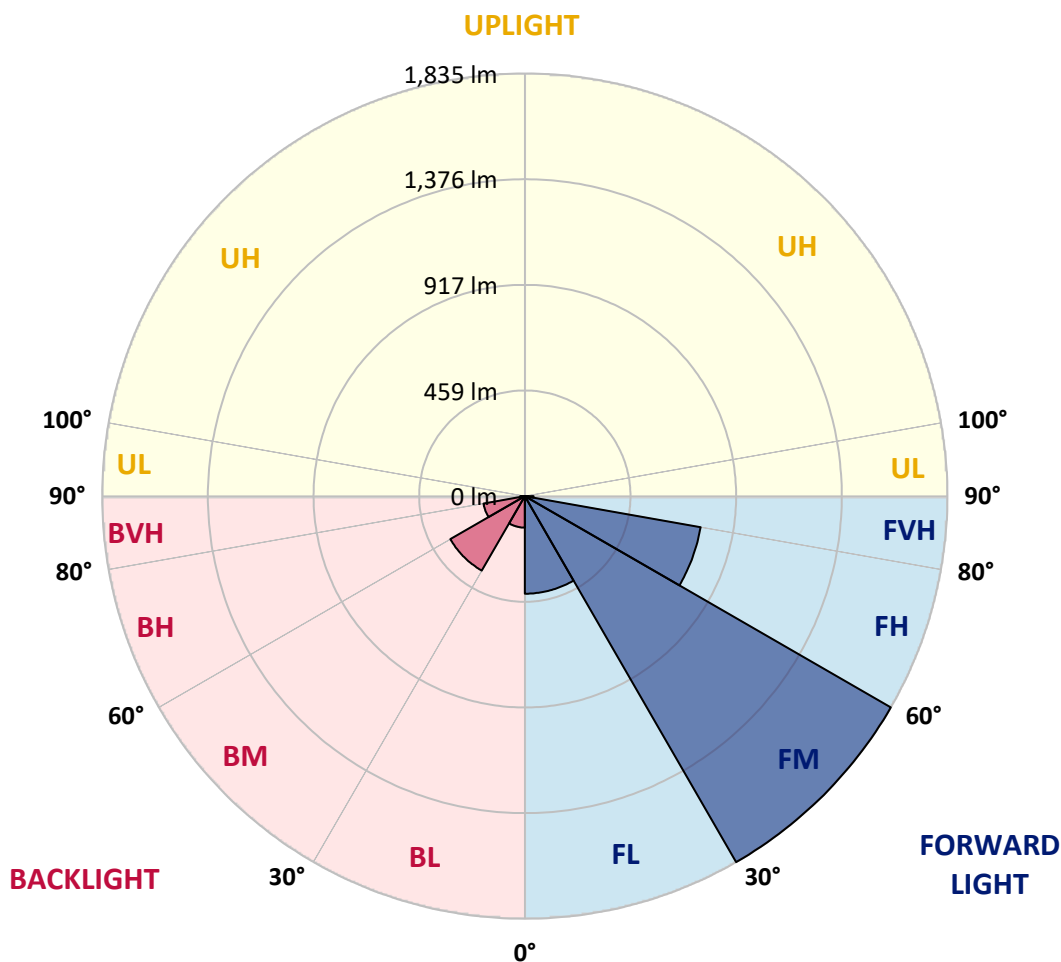
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.5	11.2			
FM (30°-60°)	1834.7	48.5			
FH (60°-80°)	775.1	20.5			G1/1800
FVH (80°-90°)	38.0	1.0			G1/100
BL (0°-30°)	136.8	3.6	B1/500		
BM (30°-60°)	373.4	9.9	B1/1000		
BH (60°-80°)	182.2	4.8	B1/500		G1/500
BVH (80°-90°)	20.5	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°	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4
2.5°	535.9	527.8	523.4	518.5	504.9	496.2	479.8	460.7	438.7	419.9	416.3
5°	649.0	640.8	641.9	629.9	610.0	591.5	561.0	525.0	483.1	450.9	439.8
7.5°	728.8	719.8	722.0	717.1	701.0	680.6	641.9	595.6	534.3	486.6	468.6
10°	782.2	783.3	785.0	783.1	772.7	758.3	719.8	668.6	592.3	528.9	504.3
12.5°	842.7	845.7	845.2	846.0	840.6	829.1	791.5	743.3	654.2	574.4	542.5
15°	919.8	916.8	919.3	922.8	916.8	904.3	871.1	813.8	719.0	625.0	585.5
17.5°	1004.3	998.0	1004.6	1001.0	996.7	988.5	952.0	891.0	786.1	679.8	633.5
20°	1077.3	1073.2	1076.8	1077.3	1078.1	1076.5	1038.9	974.1	856.4	739.5	685.2
22.5°	1159.3	1157.4	1156.9	1157.2	1158.0	1159.9	1134.3	1065.1	934.3	802.1	741.1
25°	1274.0	1272.1	1259.6	1245.7	1237.5	1243.5	1230.2	1168.3	1020.4	872.4	802.4
27.5°	1402.6	1399.6	1383.0	1347.9	1321.7	1326.1	1324.7	1282.2	1119.6	953.1	876.0
30°	1536.1	1528.8	1505.9	1456.6	1415.4	1407.8	1411.6	1397.5	1244.3	1060.2	978.4
32.5°	1655.2	1641.6	1611.3	1561.5	1512.4	1490.4	1490.9	1497.2	1380.0	1184.9	1085.8
35°	1728.0	1719.0	1696.4	1646.0	1591.2	1576.5	1572.4	1603.7	1504.5	1300.5	1181.9
37.5°	1767.2	1758.5	1734.2	1693.6	1652.2	1646.2	1653.9	1702.4	1646.0	1444.6	1312.7
40°	1760.1	1750.9	1735.0	1706.7	1679.5	1684.1	1717.9	1792.8	1800.4	1617.1	1499.1
42.5°	1701.8	1692.0	1690.6	1688.7	1675.9	1696.4	1757.4	1859.0	1942.4	1816.2	1724.7
45°	1598.8	1592.8	1599.9	1632.6	1648.7	1688.2	1775.9	1891.2	2067.2	2018.7	1938.0
47.5°	1468.3	1464.8	1480.8	1532.6	1584.6	1663.1	1788.2	1899.9	2153.0	2153.0	2077.8
50°	1322.3	1320.9	1342.2	1417.4	1498.8	1617.1	1786.8	1908.1	2190.6	2192.5	2127.1
52.5°	1118.5	1125.5	1182.2	1281.4	1392.0	1544.9	1767.7	1930.9	2211.9	2216.2	2160.1
55°	883.6	890.4	976.0	1109.5	1251.2	1457.1	1710.8	1924.1	2215.9	2225.8	2178.9
57.5°	705.4	706.8	760.2	918.7	1094.2	1344.9	1645.1	1878.9	2204.0	2246.7	2207.8
60°	552.0	556.4	592.1	717.7	912.2	1200.2	1571.8	1834.2	2210.8	2266.6	2233.9
62.5°	411.1	412.2	445.5	542.7	724.8	1015.7	1472.4	1786.5	2220.3	2289.0	2244.6
65°	267.8	267.6	299.7	387.4	541.4	816.6	1316.3	1711.9	2221.1	2284.1	2195.8
67.5°	170.3	171.4	185.3	240.6	362.4	616.3	1103.8	1573.2	2182.4	2165.3	2018.1
70°	138.1	138.4	142.8	157.2	220.7	421.2	829.7	1356.3	2060.1	1928.5	1754.1
72.5°	123.2	123.4	125.6	127.2	147.1	253.1	544.4	1101.3	1842.7	1643.8	1455.2
75°	110.6	110.6	112.0	110.3	120.7	158.8	309.0	828.0	1517.6	1280.0	1099.4
77.5°	97.0	96.7	96.7	95.9	104.4	116.1	154.8	577.9	1093.1	873.0	713.0
80°	82.3	81.7	82.6	82.0	90.2	88.0	90.2	356.7	592.6	400.2	303.5
82.5°	64.0	64.0	66.5	67.0	74.4	63.8	63.5	169.2	225.1	149.6	112.0
85°	33.5	37.6	50.7	52.9	56.1	40.1	46.6	79.0	90.2	57.2	40.9
87.5°	10.1	10.6	31.1	34.9	34.6	20.2	28.6	38.1	42.2	25.3	16.6
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°	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4
2.5°	407.3	397.8	377.6	359.7	346.0	333.0	324.0	319.3	313.3	314.2	312.2
5°	419.9	400.2	364.6	335.7	316.3	301.6	292.6	288.0	283.6	281.5	283.1
7.5°	438.7	408.2	358.3	323.4	303.3	290.7	285.8	284.5	283.4	282.5	283.9
10°	462.9	422.0	357.2	319.1	300.5	292.9	291.0	290.2	289.1	288.0	288.8
12.5°	487.7	437.3	361.0	320.1	304.9	299.2	296.7	295.6	292.9	291.5	291.8
15°	518.8	455.8	366.2	324.5	310.6	303.3	300.0	297.0	292.6	290.7	291.5
17.5°	552.0	477.9	373.3	328.6	312.8	303.8	297.3	292.9	288.5	285.8	286.1
20°	589.6	499.7	379.5	330.0	311.7	299.2	291.3	286.1	280.4	277.4	276.6
22.5°	628.6	522.6	384.4	328.9	305.7	291.3	282.3	276.0	269.2	264.6	264.8
25°	676.0	553.6	388.5	325.0	297.8	280.9	270.8	262.9	255.8	251.5	251.8
27.5°	732.9	588.8	393.4	319.1	288.3	269.7	258.0	250.1	243.3	239.2	238.7
30°	808.9	634.6	398.9	311.7	276.3	257.5	246.0	237.9	231.3	227.5	227.5
32.5°	894.5	690.4	402.7	303.0	262.9	244.4	234.0	227.5	222.6	217.4	216.9
35°	968.9	733.7	414.4	296.2	251.2	232.1	225.1	220.4	213.1	208.2	207.3
37.5°	1078.1	810.0	449.0	294.3	237.0	222.6	221.2	212.5	204.1	194.8	194.0
40°	1254.2	942.2	489.3	285.0	222.3	217.4	216.1	204.3	184.5	178.7	177.6
42.5°	1478.1	1101.3	493.7	258.0	212.0	213.1	209.0	186.1	177.4	173.0	171.9
45°	1680.3	1230.4	468.9	230.5	204.3	206.5	198.1	179.3	174.4	170.3	169.2
47.5°	1793.9	1270.2	422.0	209.8	198.6	200.8	180.6	176.0	171.1	167.0	165.9
50°	1825.8	1235.6	367.6	197.8	194.3	195.1	176.0	173.3	168.9	165.7	164.0
52.5°	1832.0	1183.9	317.1	190.7	191.0	183.6	171.9	169.7	167.0	161.8	159.9
55°	1834.8	1137.3	271.9	186.4	188.8	168.9	167.6	165.9	163.8	158.3	157.2
57.5°	1841.9	1077.6	236.5	183.1	186.1	162.1	162.7	161.6	158.8	156.4	155.8
60°	1821.7	995.0	209.3	179.8	182.3	156.4	156.9	157.5	155.0	154.5	154.2
62.5°	1754.1	877.9	186.1	175.5	174.4	150.7	150.7	152.9	150.7	151.5	151.5
65°	1614.9	728.6	165.4	167.3	162.1	144.4	144.1	147.9	144.7	148.2	148.5
67.5°	1377.6	551.5	144.1	154.5	149.3	137.9	139.0	142.0	137.6	145.0	145.0
70°	1090.4	375.2	122.1	136.5	136.2	130.5	134.1	133.8	128.9	139.8	137.9
72.5°	812.2	240.9	99.4	114.4	119.1	122.6	129.1	123.4	118.8	125.1	119.3
75°	567.5	150.9	78.5	90.5	99.2	113.9	123.2	111.7	104.9	103.0	101.4
77.5°	339.8	96.5	61.8	68.9	77.4	103.5	115.5	99.4	89.1	88.0	84.7
80°	156.7	62.9	47.1	51.5	55.0	88.8	105.2	85.0	72.5	71.4	67.6
82.5°	70.8	41.4	35.1	36.8	37.1	70.6	88.8	67.3	55.3	89.6	77.7
85°	33.0	26.7	22.9	21.8	22.1	47.1	64.6	46.3	62.9	49.0	37.3
87.5°	14.2	13.6	11.7	9.3	8.4	10.1	24.8	19.3	27.5	10.9	7.4
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)