

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: P672123

Luminaire Tested: **CCP-SA-1C-750-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672123
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-750-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

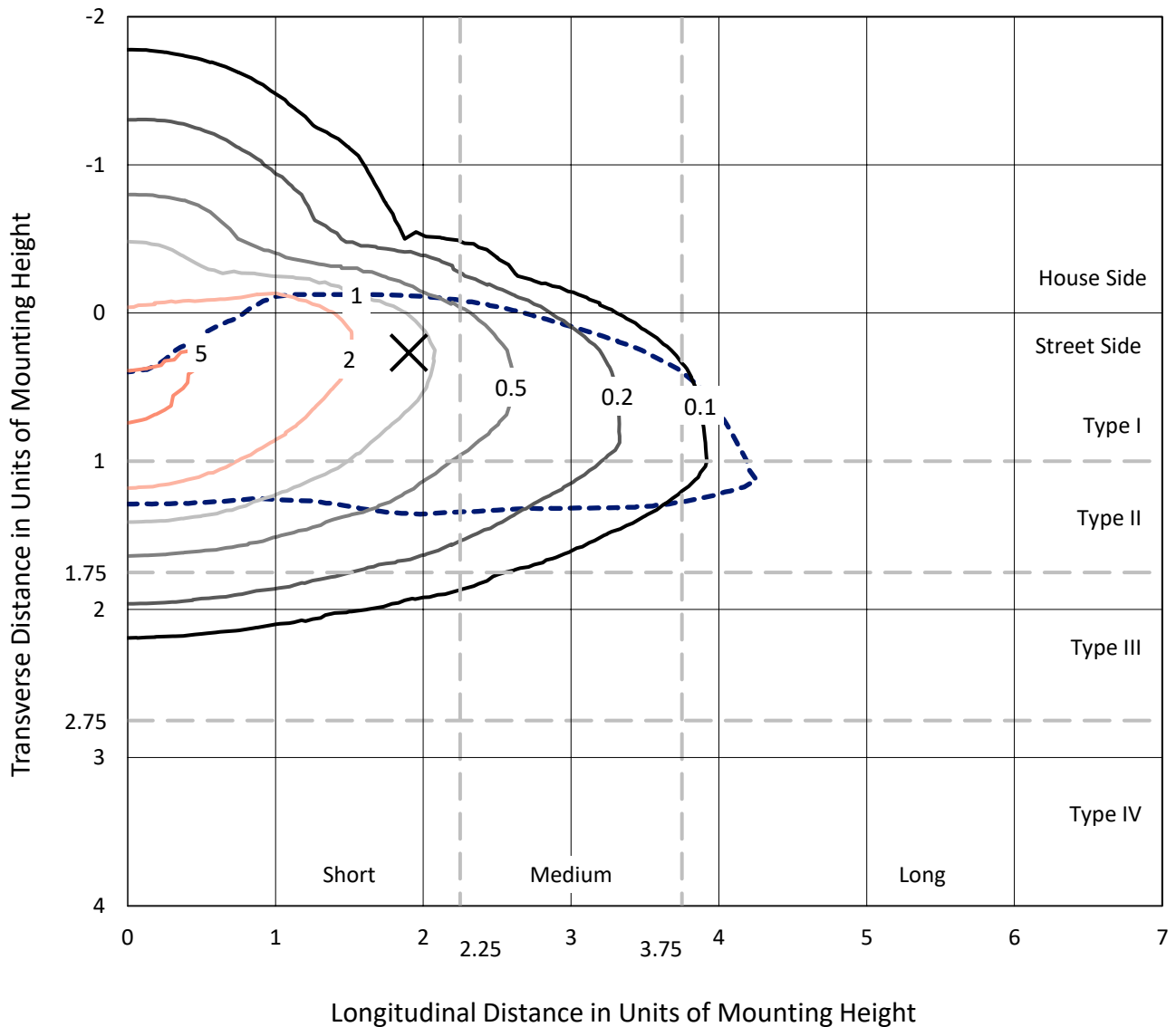
Lumens per Lamp: N/A
Luminaire Lumens: 4697.7 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

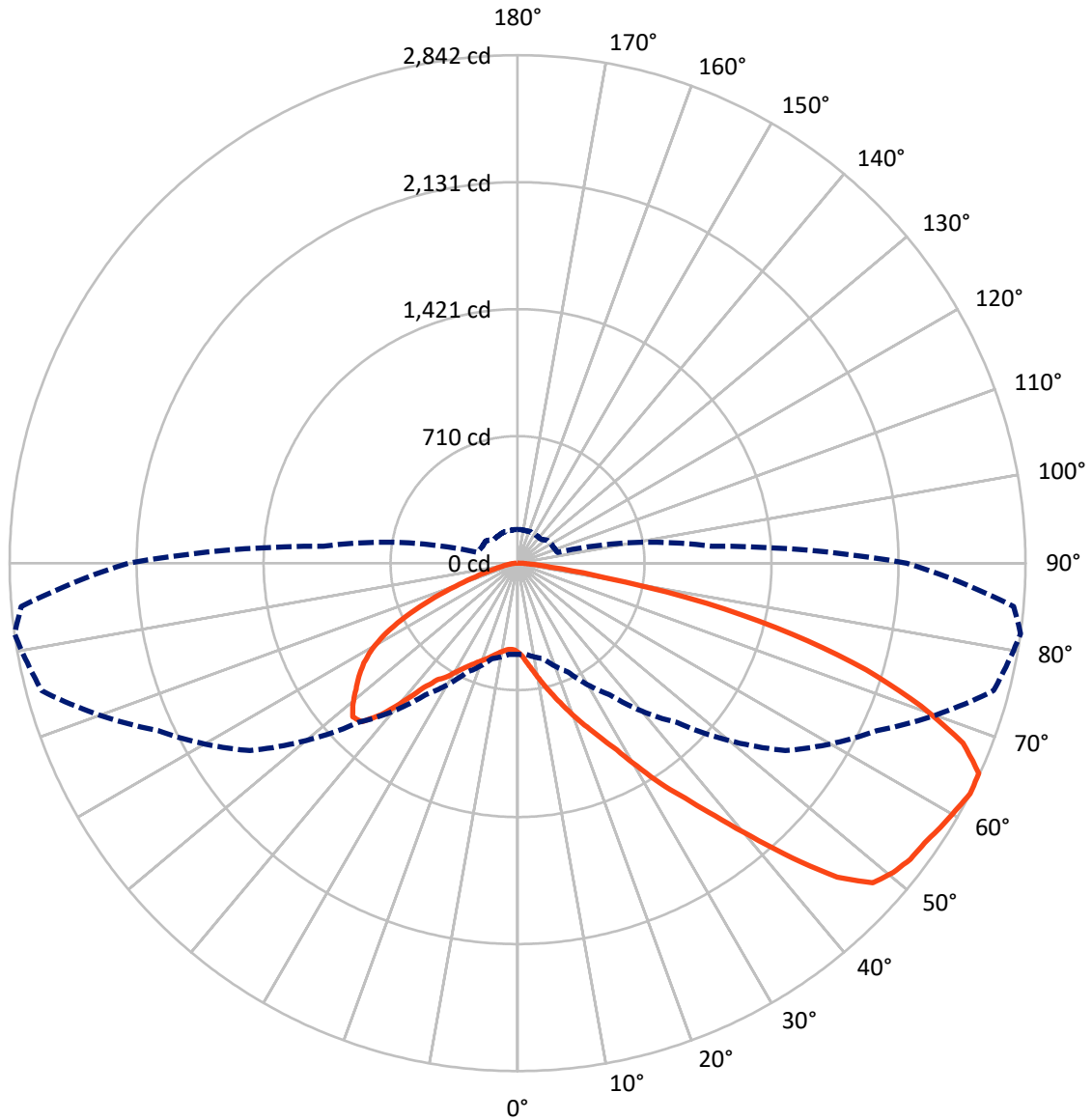
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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	885.0	0.0	885.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3812.7	0.0	3812.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	4697.7	0.0	4697.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.2
10°-20°	208.5	4.4
20°-30°	431.8	9.2
30°-40°	732.9	15.6
40°-50°	998.0	21.2
50°-60°	1010.2	21.5
60°-70°	796.2	16.9
70°-80°	392.2	8.3
80°-90°	72.5	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°	4697.7	100.0
0°-180°	4697.7	100.0



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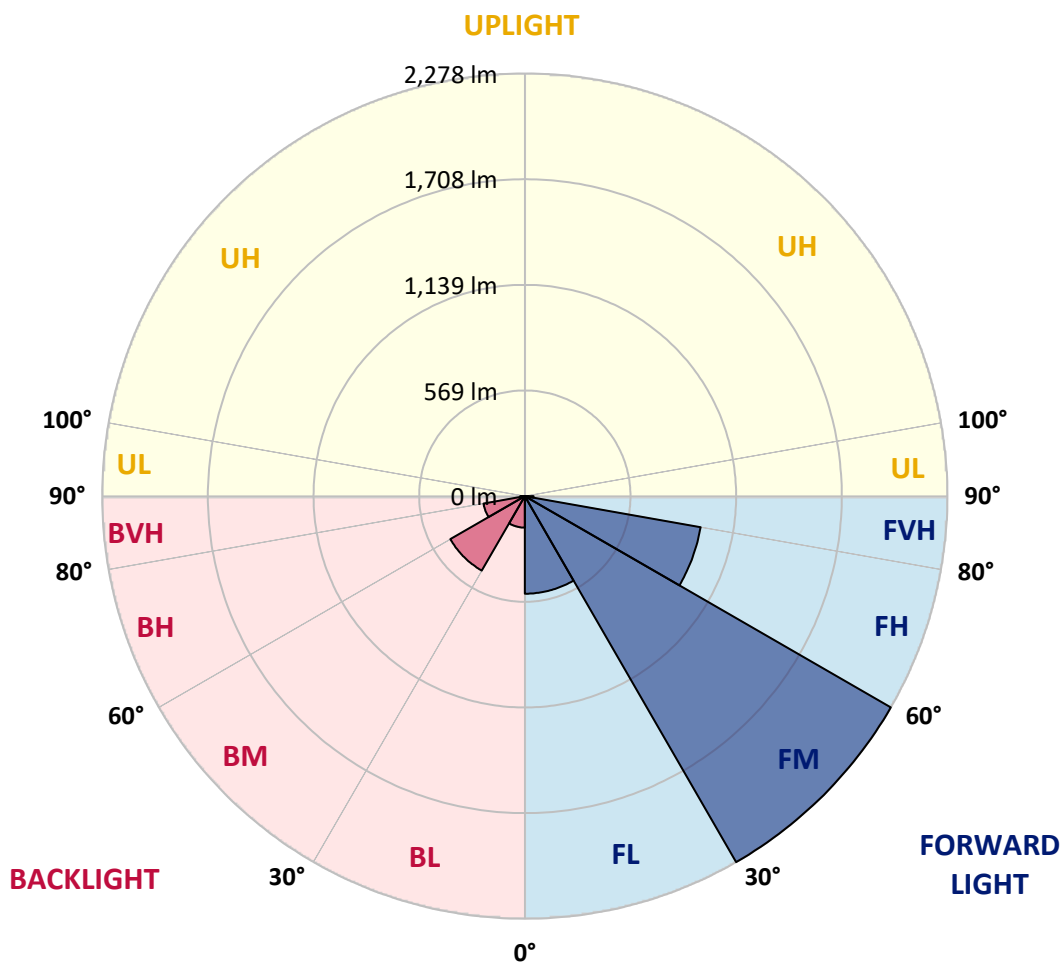
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.8	11.2			
FM (30°-60°)	2277.6	48.5			
FH (60°-80°)	962.2	20.5			G1/1800
FVH (80°-90°)	47.1	1.0			G1/100
BL (0°-30°)	169.8	3.6	B1/500		
BM (30°-60°)	463.6	9.9	B1/1000		
BH (60°-80°)	226.2	4.8	B1/500		G1/500
BVH (80°-90°)	25.4	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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	665.3	655.2	649.7	643.7	626.7	615.9	595.6	572.0	544.6	521.2	516.8
5°	805.7	795.5	796.9	782.0	757.3	734.3	696.4	651.8	599.7	559.8	545.9
7.5°	904.8	893.6	896.3	890.2	870.3	844.9	796.9	739.4	663.3	604.1	581.8
10°	971.1	972.4	974.4	972.1	959.2	941.3	893.6	830.0	735.3	656.5	626.1
12.5°	1046.2	1049.9	1049.2	1050.2	1043.4	1029.2	982.6	922.7	812.1	713.0	673.4
15°	1141.9	1138.2	1141.2	1145.6	1138.2	1122.6	1081.3	1010.3	892.6	775.9	726.9
17.5°	1246.7	1238.9	1247.1	1242.7	1237.3	1227.1	1181.8	1106.0	975.8	843.9	786.4
20°	1337.4	1332.3	1336.7	1337.4	1338.4	1336.4	1289.7	1209.2	1063.1	918.0	850.7
22.5°	1439.2	1436.8	1436.1	1436.5	1437.5	1439.9	1408.1	1322.1	1159.8	995.8	920.0
25°	1581.6	1579.2	1563.6	1546.4	1536.2	1543.7	1527.1	1450.3	1266.7	1083.0	996.1
27.5°	1741.2	1737.5	1716.9	1673.2	1640.8	1646.2	1644.5	1591.7	1389.8	1183.1	1087.4
30°	1907.0	1897.8	1869.4	1808.2	1757.1	1747.6	1752.4	1734.8	1544.7	1316.1	1214.6
32.5°	2054.8	2037.8	2000.3	1938.4	1877.5	1850.1	1850.8	1858.6	1713.1	1471.0	1347.9
35°	2145.1	2133.9	2105.8	2043.3	1975.3	1957.0	1951.9	1990.8	1867.7	1614.4	1467.2
37.5°	2193.8	2182.9	2152.8	2102.4	2051.0	2043.6	2053.1	2113.3	2043.3	1793.3	1629.6
40°	2185.0	2173.5	2153.9	2118.7	2084.9	2090.6	2132.6	2225.6	2235.0	2007.4	1861.0
42.5°	2112.6	2100.4	2098.7	2096.4	2080.5	2105.8	2181.6	2307.8	2411.3	2254.7	2141.0
45°	1984.7	1977.3	1986.1	2026.7	2046.6	2095.7	2204.6	2347.7	2566.2	2506.0	2405.8
47.5°	1822.7	1818.3	1838.3	1902.6	1967.2	2064.6	2219.8	2358.5	2672.7	2672.7	2579.4
50°	1641.4	1639.7	1666.1	1759.5	1860.6	2007.4	2218.1	2368.6	2719.4	2721.8	2640.6
52.5°	1388.4	1397.2	1467.6	1590.7	1728.0	1917.8	2194.4	2397.0	2745.8	2751.2	2681.5
55°	1096.9	1105.3	1211.5	1377.3	1553.2	1808.9	2123.8	2388.6	2750.8	2763.0	2704.8
57.5°	875.7	877.4	943.7	1140.5	1358.3	1669.5	2042.2	2332.4	2736.0	2789.1	2740.7
60°	685.3	690.7	735.0	890.9	1132.4	1489.9	1951.3	2277.0	2744.4	2813.8	2773.2
62.5°	510.4	511.7	553.0	673.8	899.7	1260.9	1827.8	2217.8	2756.3	2841.5	2786.4
65°	332.5	332.1	372.1	481.0	672.1	1013.7	1634.0	2125.1	2757.3	2835.4	2725.8
67.5°	211.4	212.7	230.0	298.7	449.8	765.1	1370.2	1953.0	2709.2	2687.9	2505.3
70°	171.5	171.8	177.2	195.2	274.0	522.9	1029.9	1683.7	2557.4	2394.0	2177.5
72.5°	152.9	153.2	155.9	158.0	182.6	314.2	675.8	1367.1	2287.5	2040.6	1806.5
75°	137.3	137.3	139.0	137.0	149.8	197.2	383.6	1027.9	1884.0	1589.0	1364.8
77.5°	120.4	120.1	120.1	119.1	129.5	144.1	192.1	717.4	1357.0	1083.7	885.2
80°	102.1	101.5	102.5	101.8	112.0	109.2	112.0	442.7	735.7	496.9	376.8
82.5°	79.5	79.5	82.5	83.2	92.3	79.1	78.8	210.0	279.4	185.7	139.0
85°	41.6	46.7	62.9	65.6	69.7	49.7	57.8	98.1	112.0	71.0	50.7
87.5°	12.5	13.2	38.6	43.3	43.0	25.0	35.5	47.4	52.4	31.5	20.6
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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	505.7	493.8	468.8	446.5	429.6	413.3	402.2	396.4	389.0	390.0	387.6
5°	521.2	496.9	452.6	416.7	392.7	374.4	363.3	357.5	352.1	349.4	351.4
7.5°	544.6	506.7	444.8	401.5	376.5	360.9	354.8	353.1	351.8	350.7	352.4
10°	574.7	523.9	443.4	396.1	373.1	363.6	361.2	360.2	358.9	357.5	358.5
12.5°	605.4	542.9	448.2	397.4	378.5	371.4	368.3	367.0	363.6	361.9	362.2
15°	644.0	565.9	454.6	402.8	385.6	376.5	372.4	368.7	363.3	360.9	361.9
17.5°	685.3	593.3	463.4	407.9	388.3	377.1	369.0	363.6	358.2	354.8	355.1
20°	731.9	620.3	471.2	409.6	386.9	371.4	361.6	355.1	348.0	344.3	343.3
22.5°	780.3	648.7	477.2	408.2	379.5	361.6	350.4	342.6	334.2	328.4	328.8
25°	839.2	687.3	482.3	403.5	369.7	348.7	336.2	326.4	317.6	312.2	312.5
27.5°	909.8	730.9	488.4	396.1	357.8	334.8	320.3	310.5	302.0	297.0	296.3
30°	1004.2	787.7	495.2	386.9	343.0	319.6	305.4	295.3	287.2	282.4	282.4
32.5°	1110.4	857.1	499.9	376.1	326.4	303.4	290.5	282.4	276.3	269.9	269.2
35°	1202.8	910.9	514.5	367.7	311.8	288.2	279.4	273.6	264.5	258.4	257.4
37.5°	1338.4	1005.6	557.4	365.3	294.3	276.3	274.6	263.8	253.3	241.8	240.8
40°	1556.9	1169.6	607.5	353.8	276.0	269.9	268.2	253.7	229.0	221.9	220.5
42.5°	1834.9	1367.1	612.9	320.3	263.1	264.5	259.4	231.0	220.2	214.8	213.4
45°	2085.9	1527.5	582.1	286.1	253.7	256.4	245.9	222.6	216.5	211.4	210.0
47.5°	2226.9	1576.8	523.9	260.4	246.6	249.3	224.2	218.5	212.4	207.3	206.0
50°	2266.5	1533.9	456.3	245.6	241.2	242.2	218.5	215.1	209.7	205.6	203.6
52.5°	2274.3	1469.6	393.7	236.8	237.1	228.0	213.4	210.7	207.3	200.9	198.5
55°	2277.7	1411.8	337.6	231.4	234.4	209.7	208.0	206.0	203.3	196.5	195.2
57.5°	2286.4	1337.7	293.6	227.3	231.0	201.2	201.9	200.6	197.2	194.1	193.5
60°	2261.4	1235.2	259.8	223.2	226.3	194.1	194.8	195.5	192.5	191.8	191.4
62.5°	2177.5	1089.8	231.0	217.8	216.5	187.0	187.0	189.7	187.0	188.1	188.1
65°	2004.7	904.4	205.3	207.7	201.2	179.3	178.9	183.7	179.6	184.0	184.3
67.5°	1710.1	684.6	178.9	191.8	185.4	171.1	172.5	176.2	170.8	179.9	179.9
70°	1353.6	465.7	151.5	169.5	169.1	162.0	166.4	166.1	160.0	173.5	171.1
72.5°	1008.3	299.0	123.5	142.1	147.8	152.2	160.3	153.2	147.5	155.2	148.1
75°	704.5	187.4	97.4	112.3	123.1	141.4	152.9	138.7	130.2	127.9	125.8
77.5°	421.8	119.7	76.8	85.6	96.1	128.5	143.4	123.5	110.6	109.2	105.2
80°	194.5	78.1	58.5	63.9	68.3	110.3	130.6	105.5	90.0	88.6	83.9
82.5°	87.9	51.4	43.6	45.7	46.0	87.6	110.3	83.5	68.7	111.3	96.4
85°	40.9	33.1	28.4	27.1	27.4	58.5	80.2	57.5	78.1	60.9	46.3
87.5°	17.6	16.9	14.5	11.5	10.5	12.5	30.8	24.0	34.2	13.5	9.1
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)