

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: P672116

Luminaire Tested: **CCP-SA-2A-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672116
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

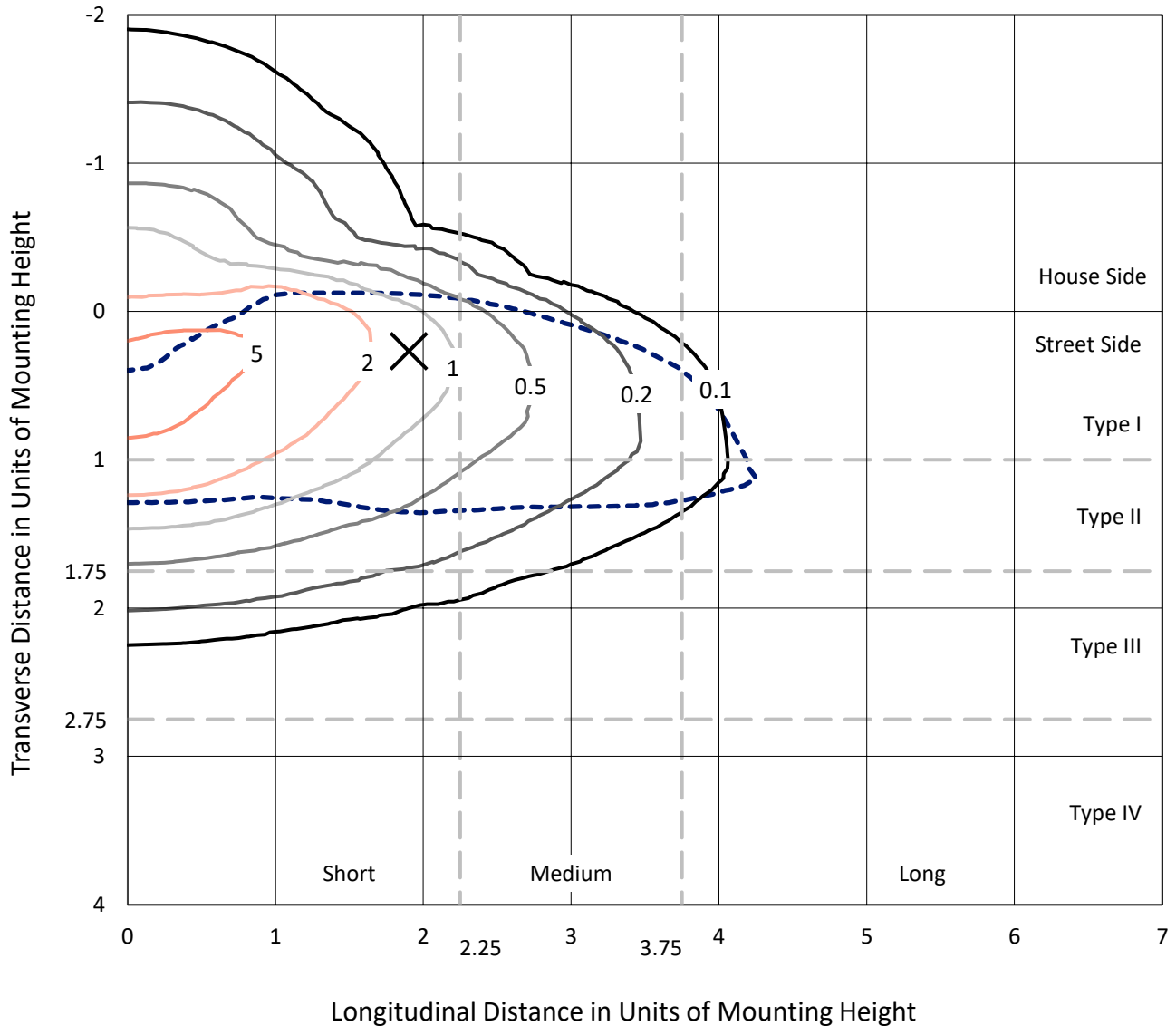
Lumens per Lamp: N/A
Luminaire Lumens: 5557.9 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

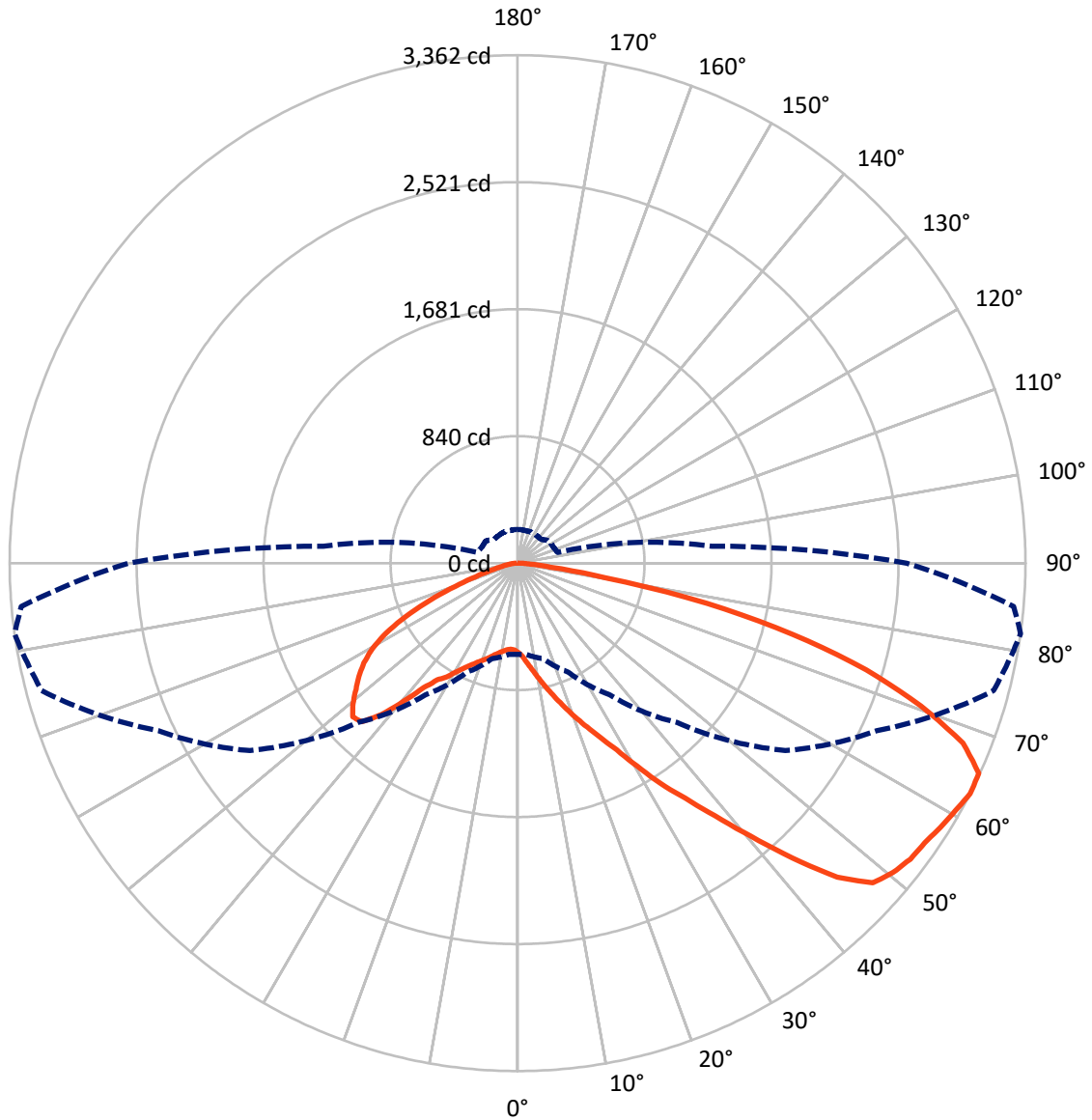
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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	1047.1	0.0	1047.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4510.8	0.0	4510.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	5557.9	0.0	5557.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.2
10°-20°	246.7	4.4
20°-30°	510.9	9.2
30°-40°	867.1	15.6
40°-50°	1180.8	21.2
50°-60°	1195.2	21.5
60°-70°	942.0	16.9
70°-80°	464.0	8.3
80°-90°	85.8	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°	5557.9	100.0
0°-180°	5557.9	100.0



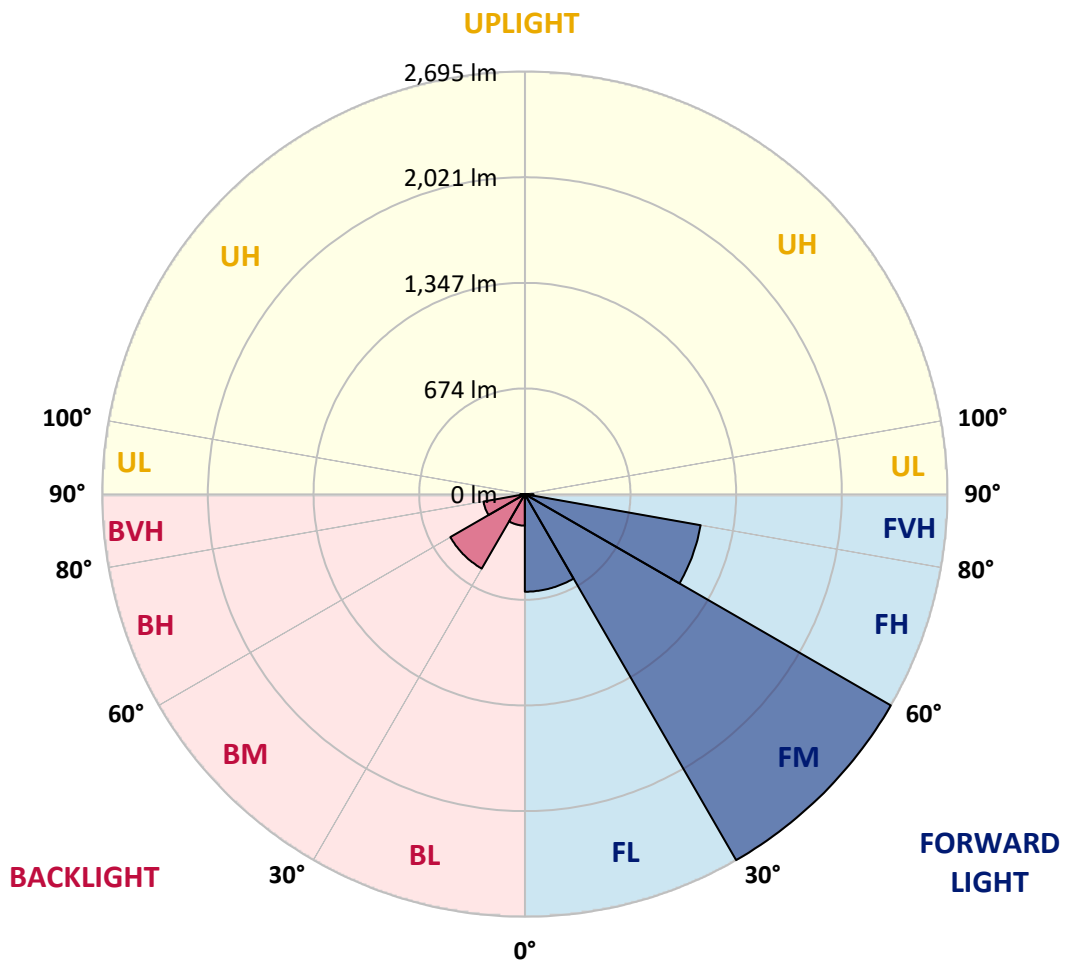
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.0	11.2			
FM (30°-60°)	2694.6	48.5			
FH (60°-80°)	1138.3	20.5			G1/1800
FVH (80°-90°)	55.8	1.0			G1/100
BL (0°-30°)	200.9	3.6	B1/500		
BM (30°-60°)	548.4	9.9	B1/1000		
BH (60°-80°)	267.7	4.8	B1/500		G1/500
BVH (80°-90°)	30.1	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°	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0
2.5°	787.1	775.1	768.7	761.5	741.5	728.7	704.7	676.7	644.3	616.7	611.5
5°	953.2	941.2	942.8	925.2	896.0	868.8	823.9	771.1	709.5	662.3	645.9
7.5°	1070.4	1057.2	1060.4	1053.2	1029.6	999.6	942.8	874.8	784.7	714.7	688.3
10°	1148.9	1150.5	1152.9	1150.1	1134.9	1113.7	1057.2	982.0	870.0	776.7	740.7
12.5°	1237.7	1242.1	1241.3	1242.5	1234.5	1217.7	1162.5	1091.6	960.8	843.5	796.7
15°	1351.0	1346.6	1350.2	1355.4	1346.6	1328.1	1279.3	1195.3	1056.0	918.0	860.0
17.5°	1475.0	1465.8	1475.4	1470.2	1463.8	1451.8	1398.2	1308.5	1154.5	998.4	930.4
20°	1582.2	1576.2	1581.4	1582.2	1583.4	1581.0	1525.8	1430.6	1257.7	1086.0	1006.4
22.5°	1702.7	1699.9	1699.1	1699.5	1700.7	1703.5	1665.9	1564.2	1372.2	1178.1	1088.4
25°	1871.2	1868.4	1850.0	1829.6	1817.5	1826.3	1806.7	1715.9	1498.6	1281.3	1178.5
27.5°	2060.0	2055.6	2031.2	1979.6	1941.2	1947.6	1945.6	1883.2	1644.3	1399.8	1286.5
30°	2256.1	2245.3	2211.7	2139.3	2078.9	2067.6	2073.3	2052.4	1827.6	1557.0	1437.0
32.5°	2431.0	2411.0	2366.6	2293.3	2221.3	2188.9	2189.7	2198.9	2026.8	1740.3	1594.7
35°	2537.8	2524.6	2491.4	2417.4	2337.0	2315.4	2309.3	2355.4	2209.7	1910.0	1735.9
37.5°	2595.5	2582.7	2547.0	2487.4	2426.6	2417.8	2429.0	2500.2	2417.4	2121.7	1928.0
40°	2585.1	2571.5	2548.2	2506.6	2466.6	2473.4	2523.0	2633.1	2644.3	2375.0	2201.7
42.5°	2499.4	2485.0	2483.0	2480.2	2461.4	2491.4	2581.1	2730.3	2852.8	2667.5	2533.0
45°	2348.2	2339.4	2349.8	2397.8	2421.4	2479.4	2608.3	2777.5	3036.0	2964.8	2846.4
47.5°	2156.5	2151.3	2174.9	2250.9	2327.4	2442.6	2626.3	2790.3	3162.1	3162.1	3051.7
50°	1942.0	1940.0	1971.2	2081.7	2201.3	2375.0	2624.3	2802.4	3217.3	3220.1	3124.1
52.5°	1642.7	1653.1	1736.3	1882.0	2044.4	2268.9	2596.3	2836.0	3248.5	3254.9	3172.5
55°	1297.7	1307.7	1433.4	1629.5	1837.6	2140.1	2512.6	2826.0	3254.5	3268.9	3200.1
57.5°	1036.0	1038.0	1116.5	1349.4	1607.1	1975.2	2416.2	2759.5	3236.9	3299.8	3242.5
60°	810.7	817.1	869.6	1054.0	1339.7	1762.7	2308.5	2693.9	3246.9	3329.0	3280.9
62.5°	603.8	605.4	654.3	797.1	1064.4	1491.8	2162.5	2623.9	3260.9	3361.8	3296.6
65°	393.4	393.0	440.2	569.0	795.1	1199.3	1933.2	2514.2	3262.1	3354.6	3224.9
67.5°	250.1	251.7	272.1	353.3	532.2	905.2	1621.1	2310.5	3205.3	3180.1	2964.0
70°	202.9	203.3	209.7	230.9	324.1	618.7	1218.5	1992.0	3025.6	2832.4	2576.3
72.5°	180.9	181.3	184.5	186.9	216.1	371.8	799.5	1617.5	2706.3	2414.2	2137.3
75°	162.5	162.5	164.5	162.1	177.3	233.3	453.8	1216.1	2228.9	1880.0	1614.7
77.5°	142.5	142.1	142.1	140.9	153.3	170.5	227.3	848.7	1605.5	1282.1	1047.2
80°	120.8	120.0	121.2	120.4	132.5	129.3	132.5	523.8	870.4	587.8	445.8
82.5°	94.0	94.0	97.6	98.4	109.2	93.6	93.2	248.5	330.5	219.7	164.5
85°	49.2	55.2	74.4	77.6	82.4	58.8	68.4	116.0	132.5	84.0	60.0
87.5°	14.8	15.6	45.6	51.2	50.8	29.6	42.0	56.0	62.0	37.2	24.4
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°	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0
2.5°	598.2	584.2	554.6	528.2	508.2	489.0	475.8	469.0	460.2	461.4	458.6
5°	616.7	587.8	535.4	493.0	464.6	443.0	429.8	423.0	416.6	413.4	415.8
7.5°	644.3	599.4	526.2	475.0	445.4	427.0	419.8	417.8	416.2	415.0	417.0
10°	679.9	619.9	524.6	468.6	441.4	430.2	427.4	426.2	424.6	423.0	424.2
12.5°	716.3	642.3	530.2	470.2	447.8	439.4	435.8	434.2	430.2	428.2	428.6
15°	761.9	669.5	537.8	476.6	456.2	445.4	440.6	436.2	429.8	427.0	428.2
17.5°	810.7	701.9	548.2	482.6	459.4	446.2	436.6	430.2	423.8	419.8	420.2
20°	866.0	733.9	557.4	484.6	457.8	439.4	427.8	420.2	411.8	407.4	406.2
22.5°	923.2	767.5	564.6	483.0	449.0	427.8	414.6	405.4	395.4	388.6	389.0
25°	992.8	813.1	570.6	477.4	437.4	412.6	397.8	386.2	375.8	369.4	369.8
27.5°	1076.4	864.8	577.8	468.6	423.4	396.2	379.0	367.4	357.3	351.3	350.5
30°	1188.1	932.0	585.8	457.8	405.8	378.2	361.3	349.3	339.7	334.1	334.1
32.5°	1313.7	1014.0	591.4	445.0	386.2	358.9	343.7	334.1	326.9	319.3	318.5
35°	1423.0	1077.6	608.6	435.0	369.0	340.9	330.5	323.7	312.9	305.7	304.5
37.5°	1583.4	1189.7	659.5	432.2	348.1	326.9	324.9	312.1	299.7	286.1	284.9
40°	1842.0	1383.8	718.7	418.6	326.5	319.3	317.3	300.1	270.9	262.5	260.9
42.5°	2170.9	1617.5	725.1	379.0	311.3	312.9	306.9	273.3	260.5	254.1	252.5
45°	2467.8	1807.1	688.7	338.5	300.1	303.3	290.9	263.3	256.1	250.1	248.5
47.5°	2634.7	1865.6	619.9	308.1	291.7	294.9	265.3	258.5	251.3	245.3	243.7
50°	2681.5	1814.7	539.8	290.5	285.3	286.5	258.5	254.5	248.1	243.3	240.9
52.5°	2690.7	1738.7	465.8	280.1	280.5	269.7	252.5	249.3	245.3	237.7	234.9
55°	2694.7	1670.3	399.4	273.7	277.3	248.1	246.1	243.7	240.5	232.5	230.9
57.5°	2705.1	1582.6	347.3	268.9	273.3	238.1	238.9	237.3	233.3	229.7	228.9
60°	2675.5	1461.4	307.3	264.1	267.7	229.7	230.5	231.3	227.7	226.9	226.5
62.5°	2576.3	1289.3	273.3	257.7	256.1	221.3	221.3	224.5	221.3	222.5	222.5
65°	2371.8	1070.0	242.9	245.7	238.1	212.1	211.7	217.3	212.5	217.7	218.1
67.5°	2023.2	809.9	211.7	226.9	219.3	202.5	204.1	208.5	202.1	212.9	212.9
70°	1601.5	551.0	179.3	200.5	200.1	191.7	196.9	196.5	189.3	205.3	202.5
72.5°	1192.9	353.7	146.1	168.1	174.9	180.1	189.7	181.3	174.5	183.7	175.3
75°	833.5	221.7	115.2	132.9	145.7	167.3	180.9	164.1	154.1	151.3	148.9
77.5°	499.0	141.7	90.8	101.2	113.6	152.1	169.7	146.1	130.9	129.3	124.5
80°	230.1	92.4	69.2	75.6	80.8	130.5	154.5	124.9	106.4	104.8	99.2
82.5°	104.0	60.8	51.6	54.0	54.4	103.6	130.5	98.8	81.2	131.7	114.0
85°	48.4	39.2	33.6	32.0	32.4	69.2	94.8	68.0	92.4	72.0	54.8
87.5°	20.8	20.0	17.2	13.6	12.4	14.8	36.4	28.4	40.4	16.0	10.8
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)