

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: P672097

Luminaire Tested: **CCP-SA-2D-730-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672097
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-730-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

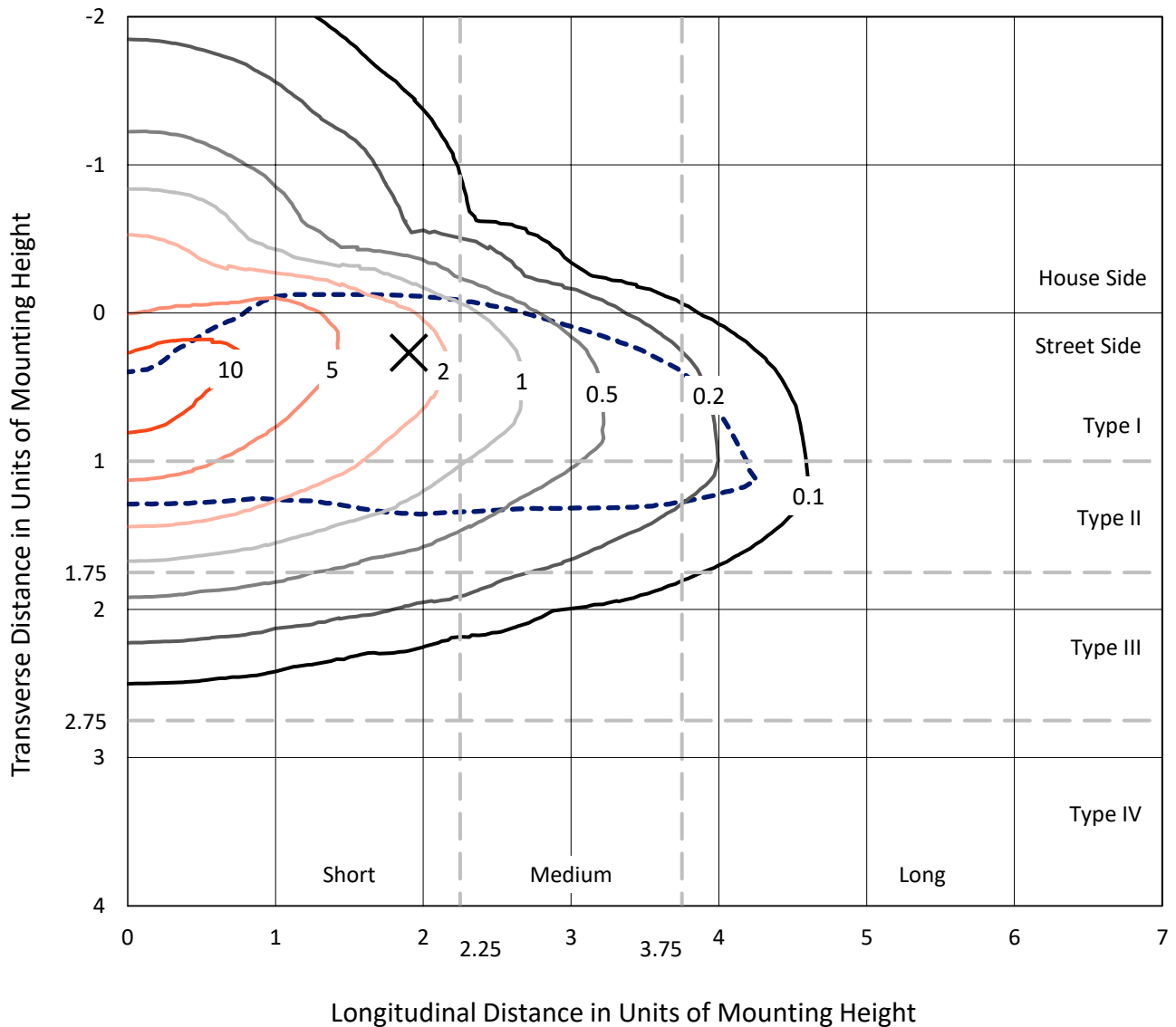
Lumens per Lamp: N/A
Luminaire Lumens: 10315.8 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

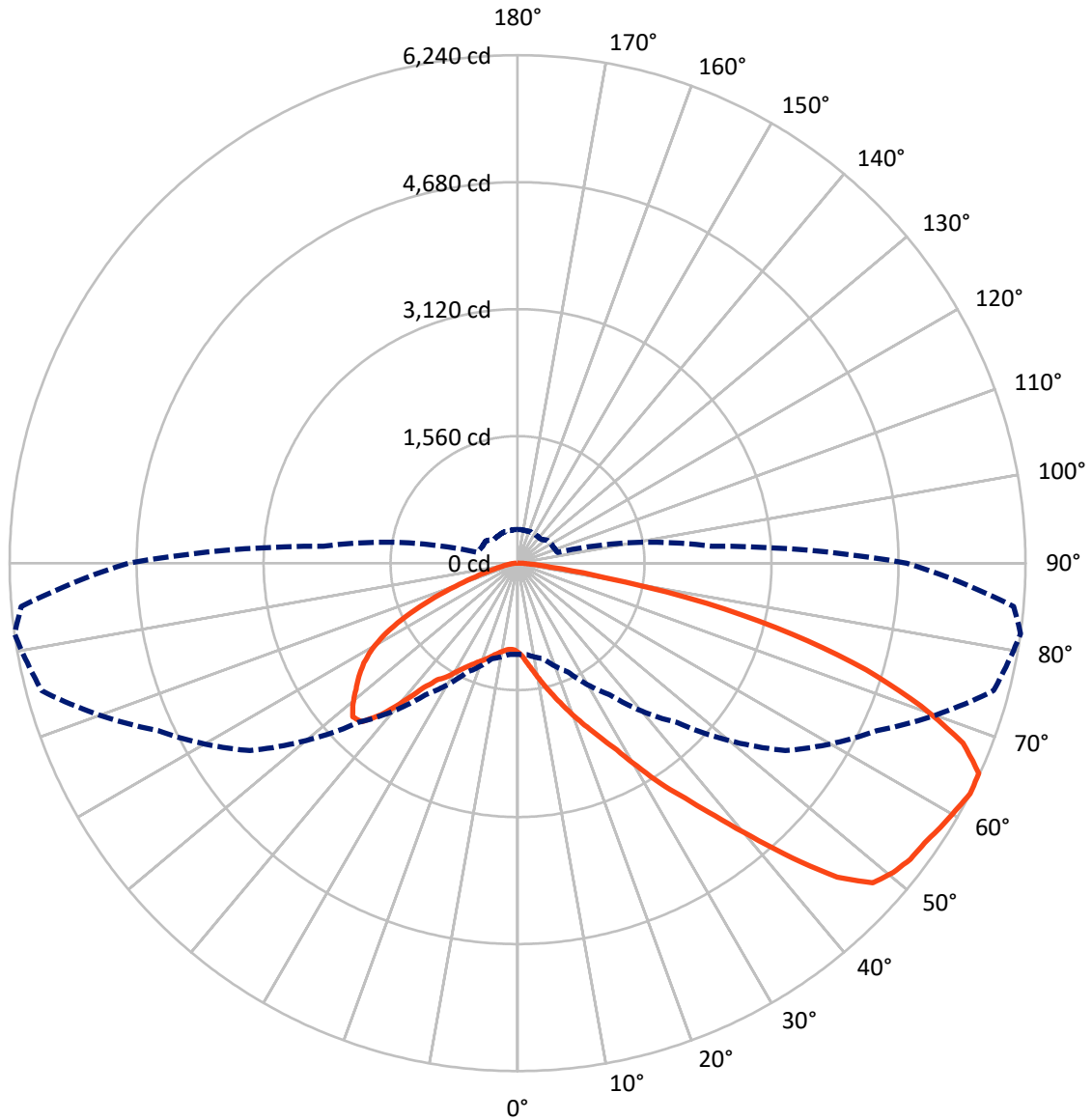
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.1 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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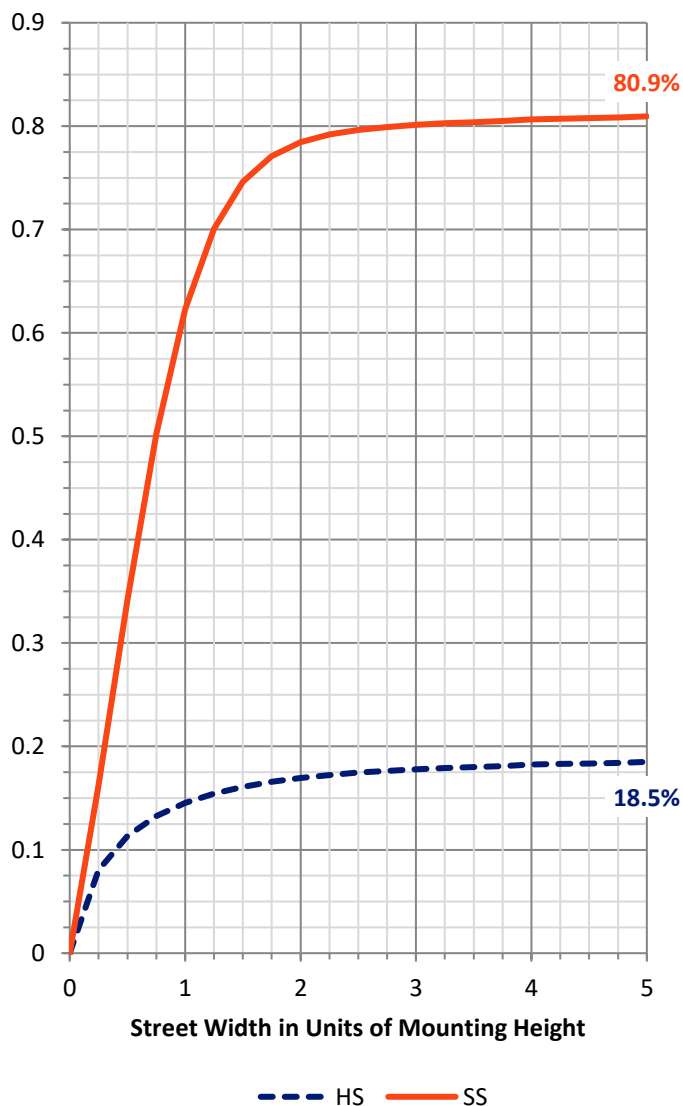
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.4	0.0	1943.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8372.4	0.0	8372.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	10315.8	0.0	10315.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	1.2
10°-20°	457.9	4.4
20°-30°	948.2	9.2
30°-40°	1609.4	15.6
40°-50°	2191.6	21.2
50°-60°	2218.4	21.5
60°-70°	1748.4	16.9
70°-80°	861.3	8.3
80°-90°	159.3	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°	10315.8	100.0
0°-180°	10315.8	100.0



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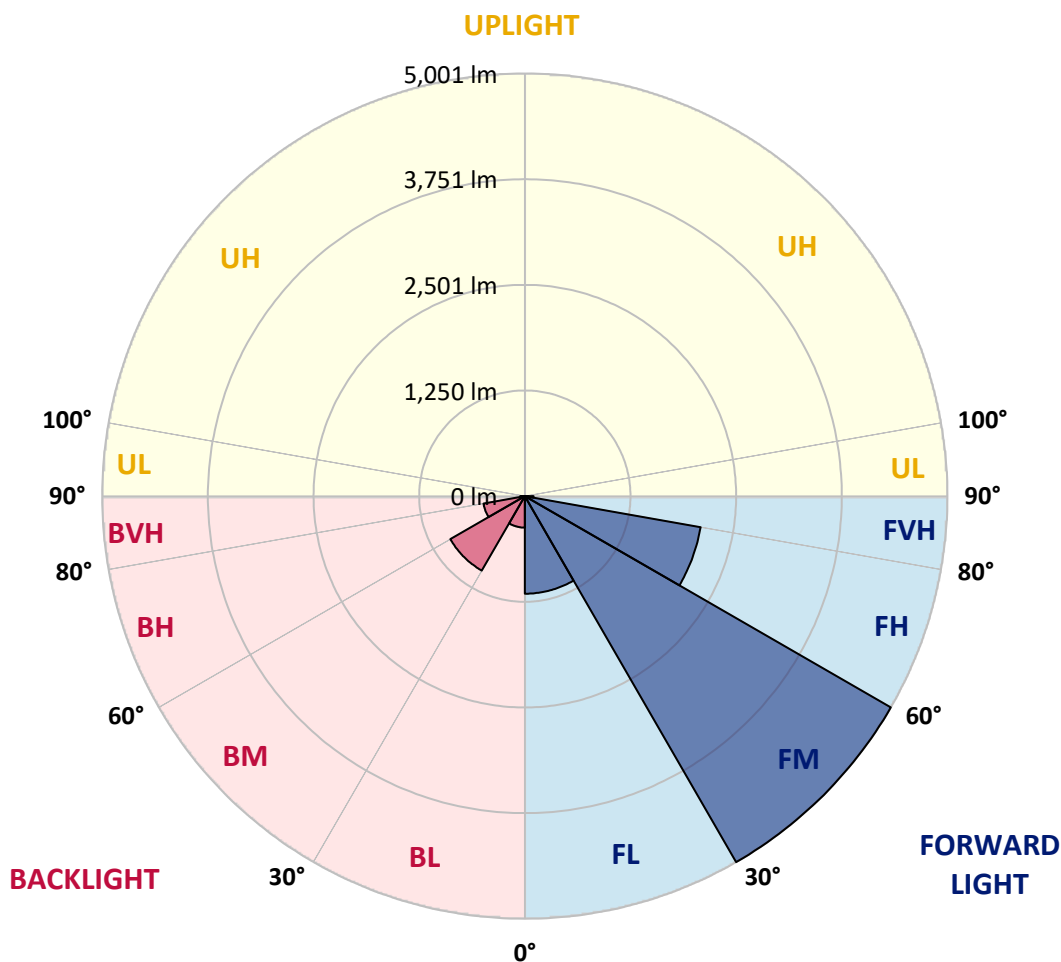
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.6	11.2			
FM (30°-60°)	5001.5	48.5			
FH (60°-80°)	2112.8	20.5			G2/5000
FVH (80°-90°)	103.5	1.0			G2/225
BL (0°-30°)	372.9	3.6	B1/500		
BM (30°-60°)	1018.0	9.9	B2/2500		
BH (60°-80°)	496.8	4.8	B1/500		G1/500
BVH (80°-90°)	55.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0
2.5°	1461.0	1438.7	1426.8	1413.4	1376.3	1352.5	1308.0	1256.0	1195.8	1144.6	1134.9
5°	1769.2	1746.9	1749.9	1717.2	1663.0	1612.5	1529.3	1431.2	1316.9	1229.2	1198.8
7.5°	1986.8	1962.3	1968.2	1954.9	1911.1	1855.3	1749.9	1623.6	1456.5	1326.5	1277.5
10°	2132.4	2135.4	2139.8	2134.6	2106.4	2067.0	1962.3	1822.7	1614.7	1441.6	1374.8
12.5°	2297.3	2305.4	2304.0	2306.2	2291.3	2260.1	2157.6	2026.2	1783.3	1565.7	1478.8
15°	2507.5	2499.3	2506.0	2515.6	2499.3	2465.1	2374.5	2218.5	1960.1	1703.8	1596.1
17.5°	2737.7	2720.6	2738.5	2728.8	2716.9	2694.6	2595.1	2428.7	2142.8	1853.1	1726.9
20°	2936.8	2925.6	2935.3	2936.8	2939.0	2934.5	2832.0	2655.3	2334.4	2015.8	1868.0
22.5°	3160.3	3155.1	3153.6	3154.4	3156.6	3161.8	3092.0	2903.3	2546.8	2186.6	2020.2
25°	3473.0	3467.8	3433.7	3395.8	3373.5	3389.8	3353.4	3184.8	2781.5	2378.2	2187.3
27.5°	3823.6	3815.4	3770.1	3674.3	3603.0	3614.9	3611.2	3495.3	3051.9	2598.1	2387.9
30°	4187.5	4167.5	4105.1	3970.6	3858.5	3837.7	3848.1	3809.5	3392.1	2890.0	2667.2
32.5°	4512.1	4475.0	4392.5	4256.6	4122.9	4062.7	4064.2	4081.3	3761.9	3230.1	2959.8
35°	4710.4	4685.9	4624.3	4486.8	4337.6	4297.5	4286.3	4371.7	4101.4	3545.1	3222.0
37.5°	4817.4	4793.6	4727.5	4616.8	4503.9	4487.6	4508.4	4640.6	4486.8	3938.0	3578.5
40°	4798.1	4772.8	4729.7	4652.5	4578.2	4590.8	4682.9	4887.2	4908.0	4408.1	4086.5
42.5°	4639.1	4612.4	4608.7	4603.5	4568.5	4624.3	4790.6	5067.7	5294.9	4951.1	4701.5
45°	4358.4	4342.0	4361.3	4450.5	4494.3	4602.0	4841.1	5155.3	5635.1	5502.9	5283.1
47.5°	4002.6	3992.9	4036.8	4177.9	4319.7	4533.6	4874.6	5179.1	5869.1	5869.1	5664.1
50°	3604.5	3600.8	3658.7	3863.7	4085.8	4408.1	4870.8	5201.4	5971.6	5976.8	5798.5
52.5°	3048.9	3068.2	3222.7	3493.1	3794.6	4211.3	4818.8	5263.7	6029.5	6041.4	5888.4
55°	2408.7	2427.2	2660.5	3024.4	3410.6	3972.1	4663.6	5245.2	6040.6	6067.4	5939.6
57.5°	1922.9	1926.6	2072.2	2504.5	2982.8	3666.1	4484.6	5121.9	6008.0	6124.6	6018.4
60°	1504.8	1516.7	1614.0	1956.4	2486.7	3271.7	4284.8	5000.1	6026.5	6178.8	6089.7
62.5°	1120.8	1123.8	1214.4	1479.5	1975.7	2768.9	4013.7	4870.1	6052.5	6239.7	6118.6
65°	730.1	729.4	817.0	1056.2	1475.8	2226.0	3588.1	4666.6	6054.8	6226.3	5985.7
67.5°	464.2	467.2	505.1	655.8	987.8	1680.1	3008.8	4288.5	5949.3	5902.5	5501.4
70°	376.6	377.3	389.2	428.6	601.6	1148.3	2261.6	3697.3	5615.8	5257.1	4781.7
72.5°	335.7	336.5	342.4	346.9	401.1	690.0	1484.0	3002.1	5023.1	4480.9	3966.9
75°	301.5	301.5	305.3	300.8	329.0	433.0	842.3	2257.2	4137.0	3489.4	2996.9
77.5°	264.4	263.7	263.7	261.4	284.5	316.4	421.9	1575.3	2979.8	2379.7	1943.7
80°	224.3	222.8	225.0	223.6	245.8	239.9	245.8	972.2	1615.4	1091.1	827.4
82.5°	174.5	174.5	181.2	182.7	202.8	173.8	173.1	461.2	613.5	407.8	305.3
85°	91.4	102.5	138.1	144.1	153.0	109.2	127.0	215.4	245.8	156.0	111.4
87.5°	27.5	29.0	84.7	95.1	94.3	55.0	78.0	104.0	115.1	69.1	45.3
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°	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0	1097.0
2.5°	1110.4	1084.4	1029.4	980.4	943.3	907.6	883.1	870.5	854.1	856.4	851.2
5°	1144.6	1091.1	993.8	915.0	862.3	822.2	797.7	785.1	773.2	767.2	771.7
7.5°	1195.8	1112.6	976.7	881.6	826.7	792.5	779.1	775.4	772.4	770.2	773.9
10°	1261.9	1150.5	973.7	869.7	819.2	798.4	793.2	791.0	788.0	785.1	787.3
12.5°	1329.5	1192.1	984.1	872.7	831.1	815.5	808.8	805.9	798.4	794.7	795.5
15°	1414.2	1242.6	998.2	884.6	846.7	826.7	817.7	809.6	797.7	792.5	794.7
17.5°	1504.8	1302.8	1017.5	895.7	852.7	828.1	810.3	798.4	786.6	779.1	779.9
20°	1607.3	1362.2	1034.6	899.4	849.7	815.5	794.0	779.9	764.3	756.1	753.9
22.5°	1713.5	1424.6	1048.0	896.5	833.3	794.0	769.5	752.4	733.8	721.2	721.9
25°	1842.7	1509.2	1059.1	886.1	811.8	765.8	738.3	716.7	697.4	685.5	686.3
27.5°	1998.0	1605.0	1072.5	869.7	785.8	735.3	703.4	681.8	663.3	652.1	650.6
30°	2205.2	1729.8	1087.4	849.7	753.1	701.9	670.7	648.4	630.6	620.2	620.2
32.5°	2438.4	1882.1	1097.8	825.9	716.7	666.2	638.0	620.2	606.8	592.7	591.2
35°	2641.2	2000.2	1129.7	807.4	684.8	632.8	613.5	600.9	580.8	567.4	565.2
37.5°	2939.0	2208.1	1224.0	802.2	646.2	606.8	603.1	579.3	556.3	531.1	528.8
40°	3418.8	2568.4	1333.9	776.9	606.1	592.7	589.0	557.0	502.8	487.2	484.3
42.5°	4029.3	3002.1	1345.8	703.4	577.8	580.8	569.7	507.3	483.5	471.6	468.7
45°	4580.4	3354.2	1278.2	628.4	557.0	563.0	540.0	488.7	475.3	464.2	461.2
47.5°	4890.2	3462.6	1150.5	571.9	541.5	547.4	492.4	479.8	466.4	455.3	452.3
50°	4977.1	3368.3	1001.9	539.2	529.6	531.8	479.8	472.4	460.5	451.6	447.1
52.5°	4994.1	3227.2	864.5	519.9	520.7	500.6	468.7	462.7	455.3	441.2	436.0
55°	5001.6	3100.2	741.2	508.0	514.7	460.5	456.8	452.3	446.4	431.5	428.6
57.5°	5020.9	2937.5	644.7	499.1	507.3	441.9	443.4	440.4	433.0	426.3	424.8
60°	4965.9	2712.5	570.4	490.2	496.9	426.3	427.8	429.3	422.6	421.1	420.4
62.5°	4781.7	2393.1	507.3	478.3	475.3	410.7	410.7	416.7	410.7	413.0	413.0
65°	4402.2	1986.1	450.8	456.0	441.9	393.6	392.9	403.3	394.4	404.0	404.8
67.5°	3755.3	1503.3	392.9	421.1	407.0	375.8	378.8	387.0	375.1	395.1	395.1
70°	2972.4	1022.7	332.7	372.1	371.4	355.8	365.4	364.7	351.3	381.0	375.8
72.5°	2214.1	656.6	271.1	311.9	324.6	334.2	352.1	336.5	323.8	340.9	325.3
75°	1547.1	411.5	213.9	246.6	270.4	310.5	335.7	304.5	286.0	280.8	276.3
77.5°	926.2	262.9	168.6	187.9	210.9	282.2	314.9	271.1	242.9	239.9	231.0
80°	427.1	171.6	128.5	140.4	150.0	242.1	286.7	231.7	197.6	194.6	184.2
82.5°	193.1	112.9	95.8	100.3	101.0	192.4	242.1	183.5	150.8	244.4	211.7
85°	89.9	72.8	62.4	59.4	60.2	128.5	176.0	126.3	171.6	133.7	101.8
87.5°	38.6	37.1	31.9	25.3	23.0	27.5	67.6	52.7	75.0	29.7	20.1
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)