

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: P670928

Luminaire Tested: **CCP-SA-1D-727-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670928
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4FT distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

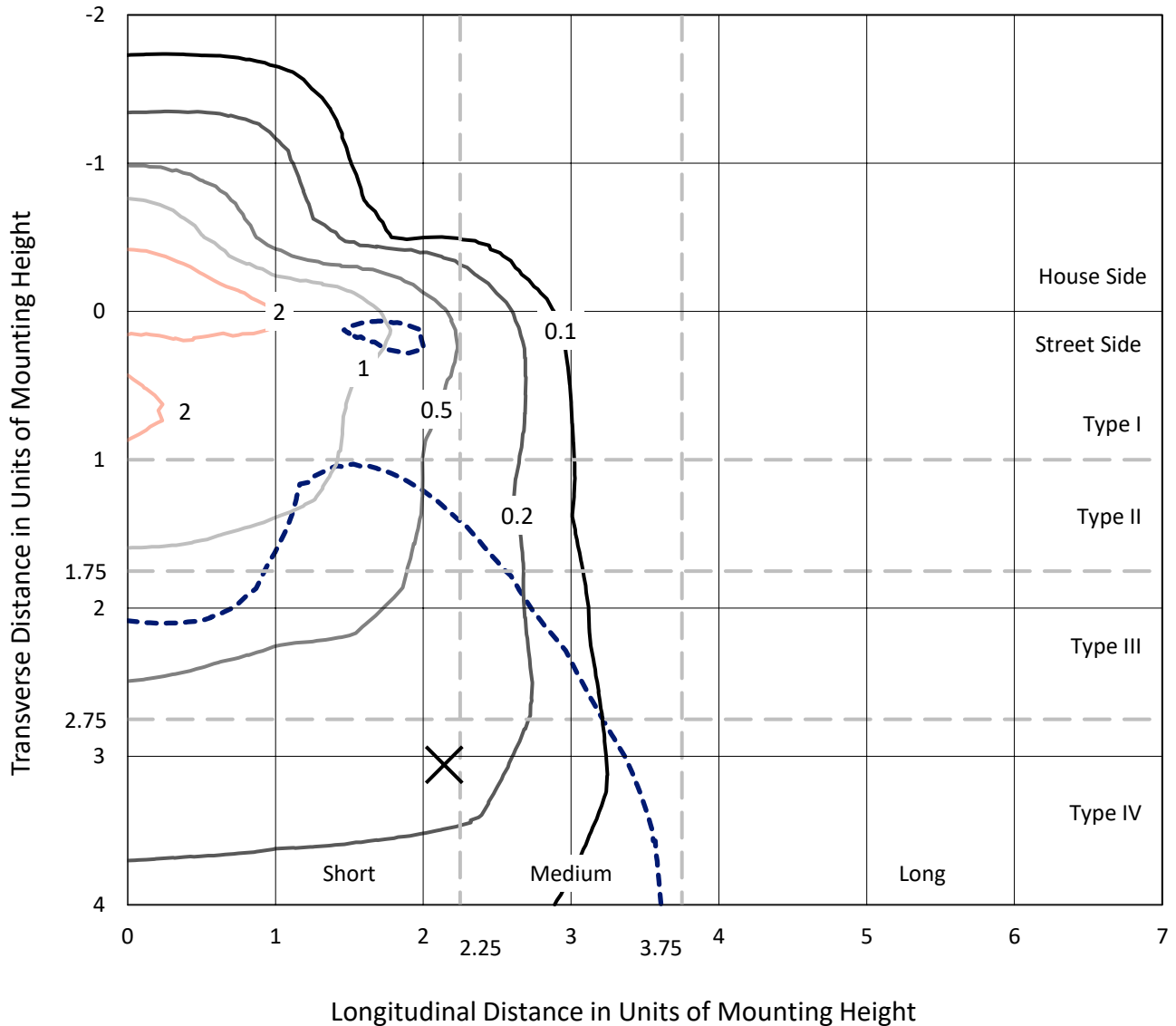
Lumens per Lamp: N/A
Luminaire Lumens: 4661.1 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

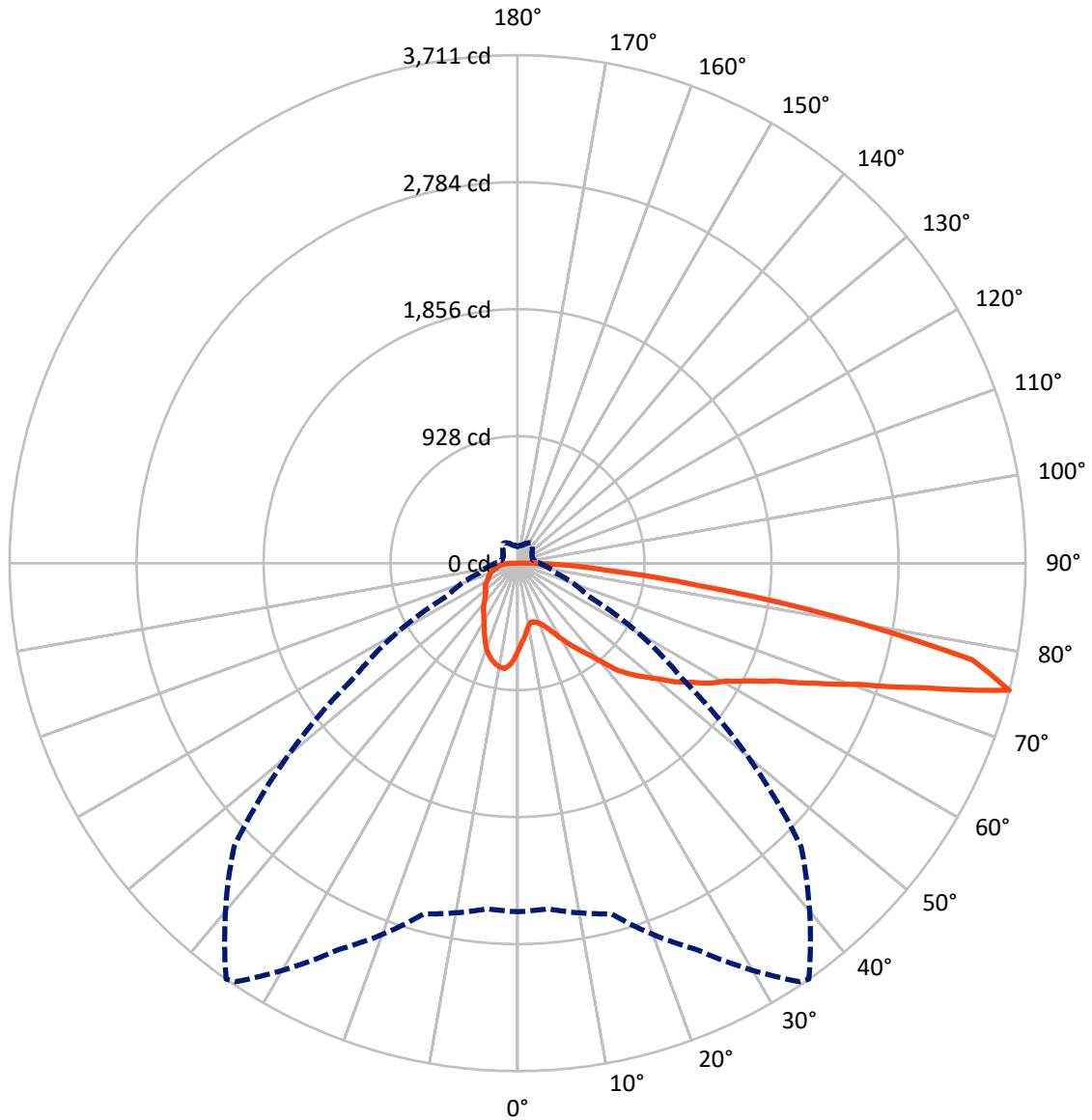
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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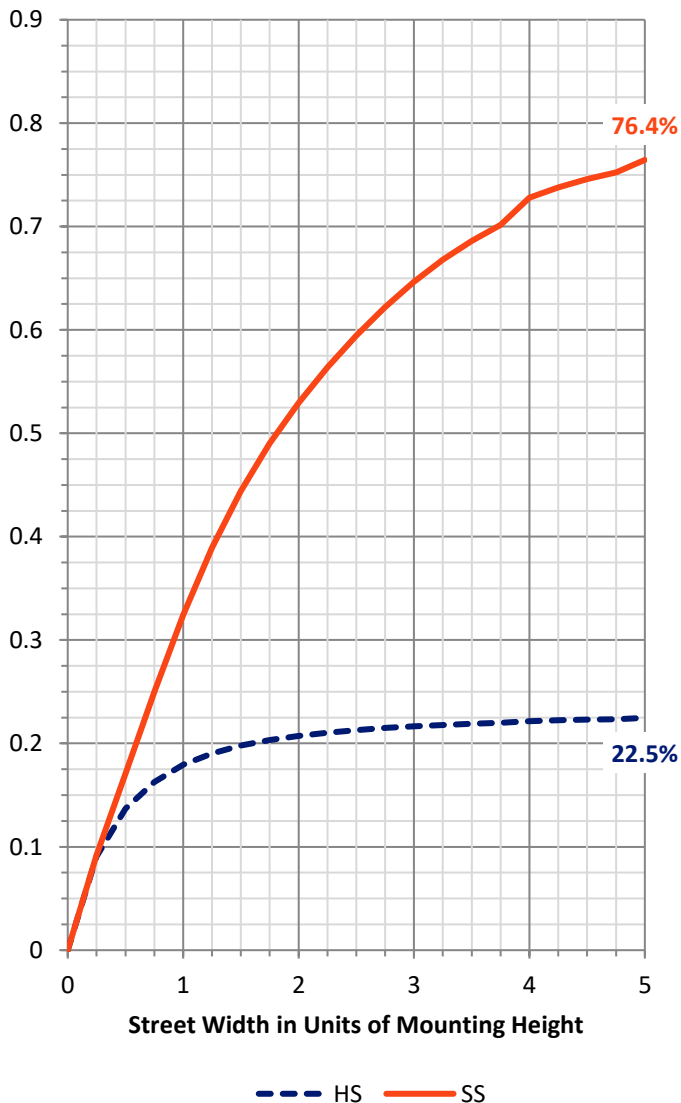
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.2	0.0	1071.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3589.8	0.0	3589.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	4661.1	0.0	4661.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.3
10°-20°	176.6	3.8
20°-30°	293.0	6.3
30°-40°	434.4	9.3
40°-50°	626.3	13.4
50°-60°	861.3	18.5
60°-70°	1063.9	22.8
70°-80°	973.3	20.9
80°-90°	171.3	3.7
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°	4661.1	100.0
0°-180°	4661.1	100.0



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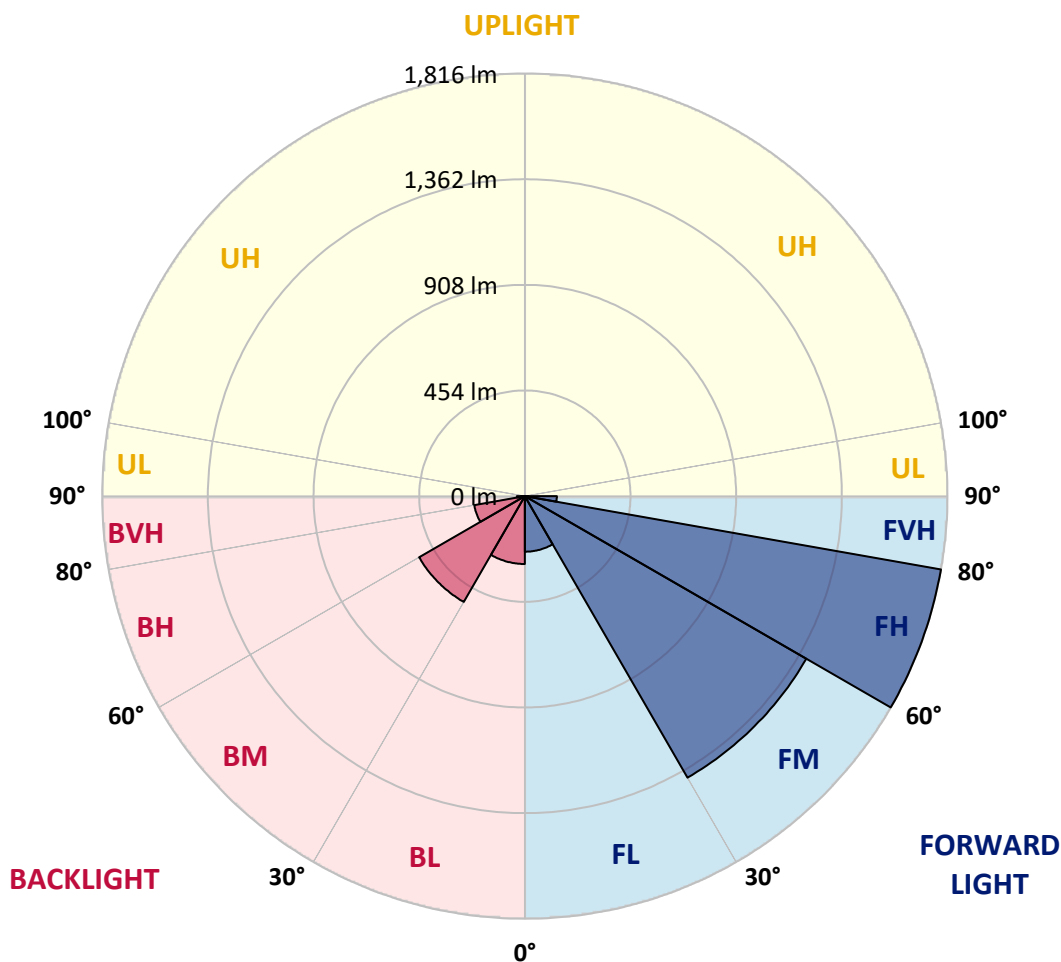
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.9	5.1			
FM (30°-60°)	1397.1	30.0			
FH (60°-80°)	1816.3	39.0			G2/5000
FVH (80°-90°)	137.5	3.0			G2/225
BL (0°-30°)	291.6	6.3	B1/500		
BM (30°-60°)	524.9	11.3	B1/1000		
BH (60°-80°)	220.9	4.7	B1/500		G1/500
BVH (80°-90°)	33.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6
2.5°	578.5	573.4	578.5	581.9	581.9	581.9	587.1	602.5	612.8	619.7	631.7
5°	518.4	520.1	523.6	532.2	537.3	540.7	549.3	568.2	583.7	606.0	631.7
7.5°	465.2	468.6	473.8	482.4	494.4	492.7	511.6	537.3	566.5	595.7	633.4
10°	437.7	444.6	446.3	448.0	460.1	460.1	485.8	515.0	551.0	588.8	633.4
12.5°	442.9	442.9	437.7	436.0	442.9	441.2	463.5	497.8	537.3	590.5	640.3
15°	458.3	458.3	448.0	437.7	448.0	444.6	463.5	491.0	537.3	592.2	654.0
17.5°	478.9	480.7	468.6	451.5	454.9	456.6	470.4	496.1	537.3	595.7	672.9
20°	520.1	511.6	492.7	465.2	477.2	472.1	492.7	515.0	547.6	609.4	700.4
22.5°	556.2	556.2	520.1	496.1	497.8	497.8	516.7	535.6	563.1	628.3	721.0
25°	614.6	611.1	566.5	530.4	533.9	535.6	545.9	568.2	588.8	638.6	746.7
27.5°	688.4	679.8	635.2	594.0	580.2	585.4	590.5	607.7	612.8	655.8	777.6
30°	767.3	755.3	717.6	652.3	645.5	647.2	638.6	648.9	642.0	683.2	808.5
32.5°	817.1	817.1	781.1	733.0	714.1	714.1	684.9	691.8	691.8	709.0	863.5
35°	860.0	856.6	832.6	796.5	784.5	777.6	748.5	758.8	741.6	758.8	940.7
37.5°	925.3	915.0	904.7	880.6	856.6	851.5	836.0	842.9	818.8	810.3	1028.3
40°	1000.8	995.7	985.4	975.1	951.0	949.3	932.1	939.0	913.3	880.6	1115.8
42.5°	1112.4	1096.9	1064.3	1055.7	1060.9	1067.8	1060.9	1048.9	1002.5	961.3	1210.2
45°	1224.0	1199.9	1138.1	1124.4	1163.9	1158.7	1187.9	1182.8	1107.2	1042.0	1309.8
47.5°	1296.1	1275.5	1225.7	1217.1	1234.3	1241.1	1328.7	1313.2	1193.1	1115.8	1405.9
50°	1347.6	1349.3	1284.1	1306.4	1328.7	1328.7	1438.6	1436.8	1297.8	1206.8	1531.3
52.5°	1423.1	1399.1	1371.6	1392.2	1423.1	1440.3	1575.9	1538.1	1363.0	1284.1	1672.0
55°	1462.6	1452.3	1428.3	1464.3	1529.5	1538.1	1682.3	1653.1	1436.8	1375.0	1816.2
57.5°	1478.0	1486.6	1526.1	1541.6	1632.5	1654.9	1778.5	1737.3	1505.5	1488.3	1927.8
60°	1546.7	1534.7	1587.9	1649.7	1737.3	1749.3	1898.6	1809.4	1572.5	1562.2	1963.9
62.5°	1685.8	1654.9	1684.0	1757.9	1879.7	1895.2	2025.6	1905.5	1601.6	1611.9	1962.1
65°	1888.3	1866.0	1823.1	1881.5	2053.1	2075.4	2175.0	1987.9	1593.1	1594.8	1823.1
67.5°	2126.9	2090.9	2046.2	2082.3	2291.7	2343.2	2357.0	2023.9	1533.0	1498.6	1483.2
70°	2336.4	2312.3	2283.1	2344.9	2636.8	2655.7	2583.6	2001.6	1366.5	1203.4	988.8
72.5°	2532.1	2520.0	2537.2	2769.0	3103.7	3115.7	2796.4	1860.9	1079.8	729.6	460.1
75°	2547.5	2535.5	2653.9	3119.2	3689.1	3711.4	2928.6	1459.2	569.9	297.0	194.0
77.5°	1725.2	1761.3	1982.7	2731.2	3388.7	3393.8	2394.7	678.1	235.2	175.1	135.6
80°	424.0	470.4	746.7	1412.8	2284.9	2341.5	1311.5	228.3	154.5	133.9	101.3
82.5°	154.5	168.2	303.8	638.6	1284.1	1306.4	458.3	123.6	111.6	103.0	73.8
85°	73.8	75.5	144.2	314.1	648.9	642.0	164.8	73.8	80.7	70.4	44.6
87.5°	30.9	30.9	63.5	145.9	286.7	278.1	53.2	34.3	46.3	41.2	22.3
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°	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6
2.5°	640.3	643.7	657.5	667.8	678.1	686.7	700.4	700.4	709.0	709.0	709.0
5°	638.6	657.5	679.8	703.8	719.3	734.7	748.5	750.2	755.3	762.2	763.9
7.5°	645.5	664.3	700.4	734.7	753.6	760.5	777.6	772.5	772.5	772.5	777.6
10°	659.2	679.8	729.6	760.5	774.2	775.9	770.8	767.3	757.0	753.6	748.5
12.5°	669.5	705.5	755.3	779.4	774.2	769.1	757.0	739.9	727.9	724.4	724.4
15°	695.2	731.3	777.6	786.2	777.6	750.2	734.7	715.8	705.5	690.1	697.0
17.5°	717.6	758.8	800.0	789.7	772.5	729.6	707.3	679.8	666.1	648.9	648.9
20°	746.7	784.5	820.6	793.1	755.3	709.0	672.9	638.6	619.7	602.5	606.0
22.5°	779.4	813.7	832.6	779.4	729.6	676.4	626.6	594.0	569.9	559.6	563.1
25°	805.1	842.9	839.4	757.0	698.7	635.2	580.2	549.3	544.2	533.9	533.9
27.5°	837.7	877.2	834.3	729.6	647.2	569.9	535.6	523.6	523.6	518.4	521.9
30°	880.6	908.1	822.3	690.1	581.9	511.6	494.4	501.3	513.3	508.1	509.8
32.5°	951.0	947.6	812.0	645.5	513.3	454.9	466.9	480.7	491.0	496.1	499.5
35°	1019.7	997.4	800.0	585.4	449.8	427.4	437.7	453.2	472.1	477.2	478.9
37.5°	1088.4	1048.9	779.4	511.6	410.3	403.4	413.7	422.3	437.7	441.2	444.6
40°	1160.5	1083.2	743.3	439.5	377.7	377.7	384.5	386.2	394.8	400.0	403.4
42.5°	1224.0	1115.8	678.1	372.5	343.3	355.3	357.1	353.6	346.8	350.2	351.9
45°	1301.2	1151.9	602.5	324.4	317.6	333.0	336.5	322.7	310.7	303.8	300.4
47.5°	1376.8	1189.6	537.3	285.0	293.5	317.6	317.6	302.1	281.5	264.4	257.5
50°	1445.4	1227.4	484.1	260.9	269.5	305.6	309.0	279.8	257.5	236.9	233.5
52.5°	1560.4	1290.9	429.2	242.0	255.8	297.0	295.3	269.5	240.3	218.0	216.3
55°	1661.7	1354.4	357.1	223.2	242.0	285.0	290.1	259.2	219.7	199.1	195.7
57.5°	1735.5	1369.9	285.0	204.3	228.3	271.2	278.1	238.6	206.0	188.8	187.1
60°	1749.3	1309.8	231.7	188.8	209.4	252.3	257.5	226.6	195.7	182.0	178.5
62.5°	1685.8	1194.8	197.4	175.1	194.0	233.5	243.8	212.9	185.4	173.4	171.7
65°	1541.6	1026.6	173.4	163.1	183.7	219.7	231.7	202.6	176.8	166.5	164.8
67.5°	1220.5	787.9	154.5	154.5	169.9	206.0	223.2	195.7	168.2	161.4	159.6
70°	798.2	473.8	140.8	142.5	159.6	194.0	212.9	187.1	157.9	156.2	152.8
72.5°	343.3	218.0	125.3	130.5	144.2	173.4	197.4	175.1	145.9	140.8	135.6
75°	157.9	132.2	113.3	116.7	128.7	152.8	178.5	161.4	135.6	127.0	121.9
77.5°	111.6	96.1	94.4	101.3	109.9	132.2	157.9	151.1	125.3	118.4	115.0
80°	82.4	73.8	79.0	85.8	91.0	121.9	149.3	139.0	115.0	104.7	99.6
82.5°	58.4	54.9	61.8	68.7	73.8	106.4	137.3	121.9	96.1	87.5	79.0
85°	34.3	36.0	42.9	46.3	51.5	79.0	115.0	97.8	73.8	56.6	54.9
87.5°	15.4	15.4	20.6	22.3	25.7	46.3	77.2	61.8	46.3	36.0	34.3
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)