

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: P671071

Luminaire Tested: **CCP-SA-1C-727-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671071
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

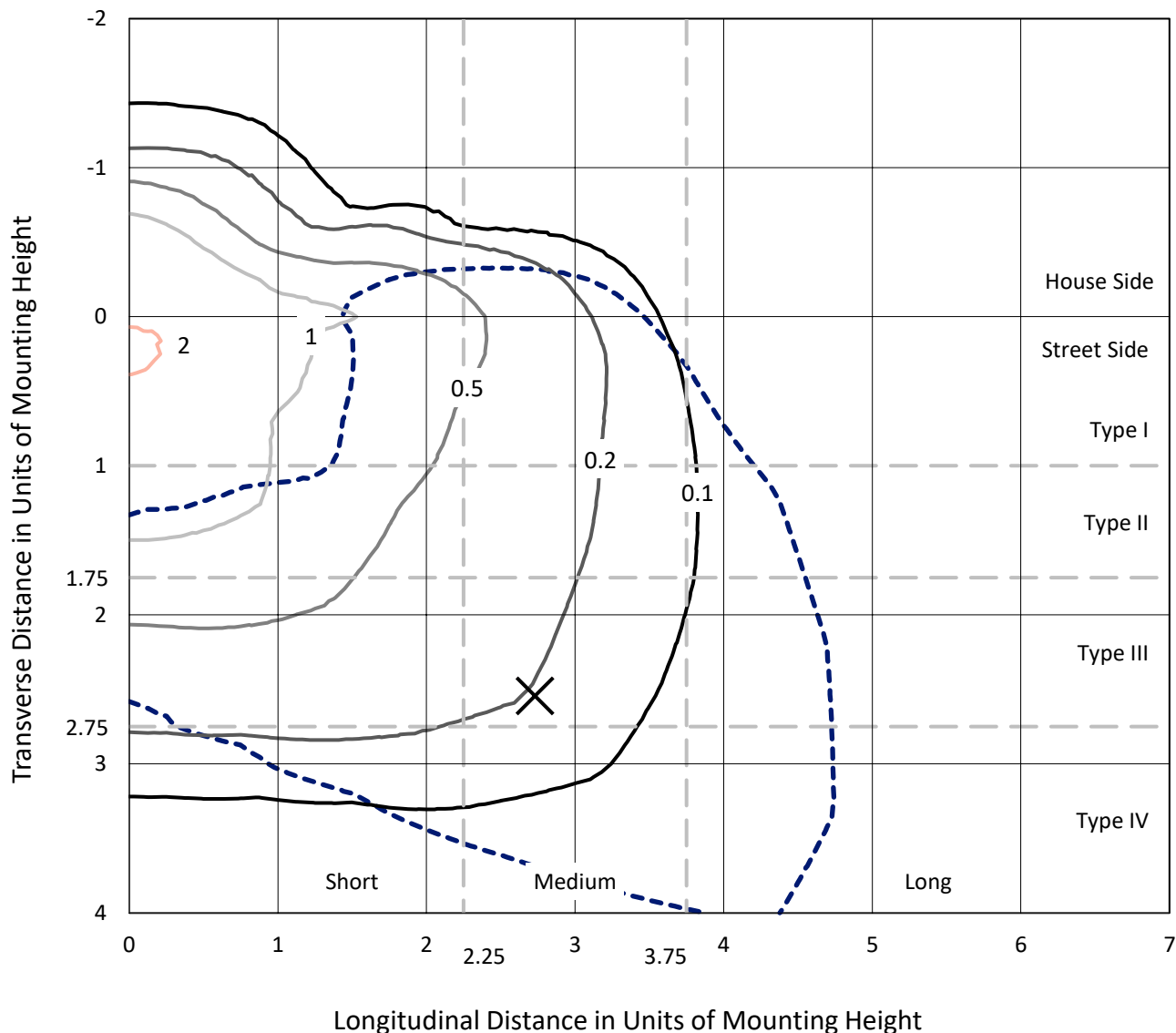
Lumens per Lamp: N/A
Luminaire Lumens: 3814.5 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

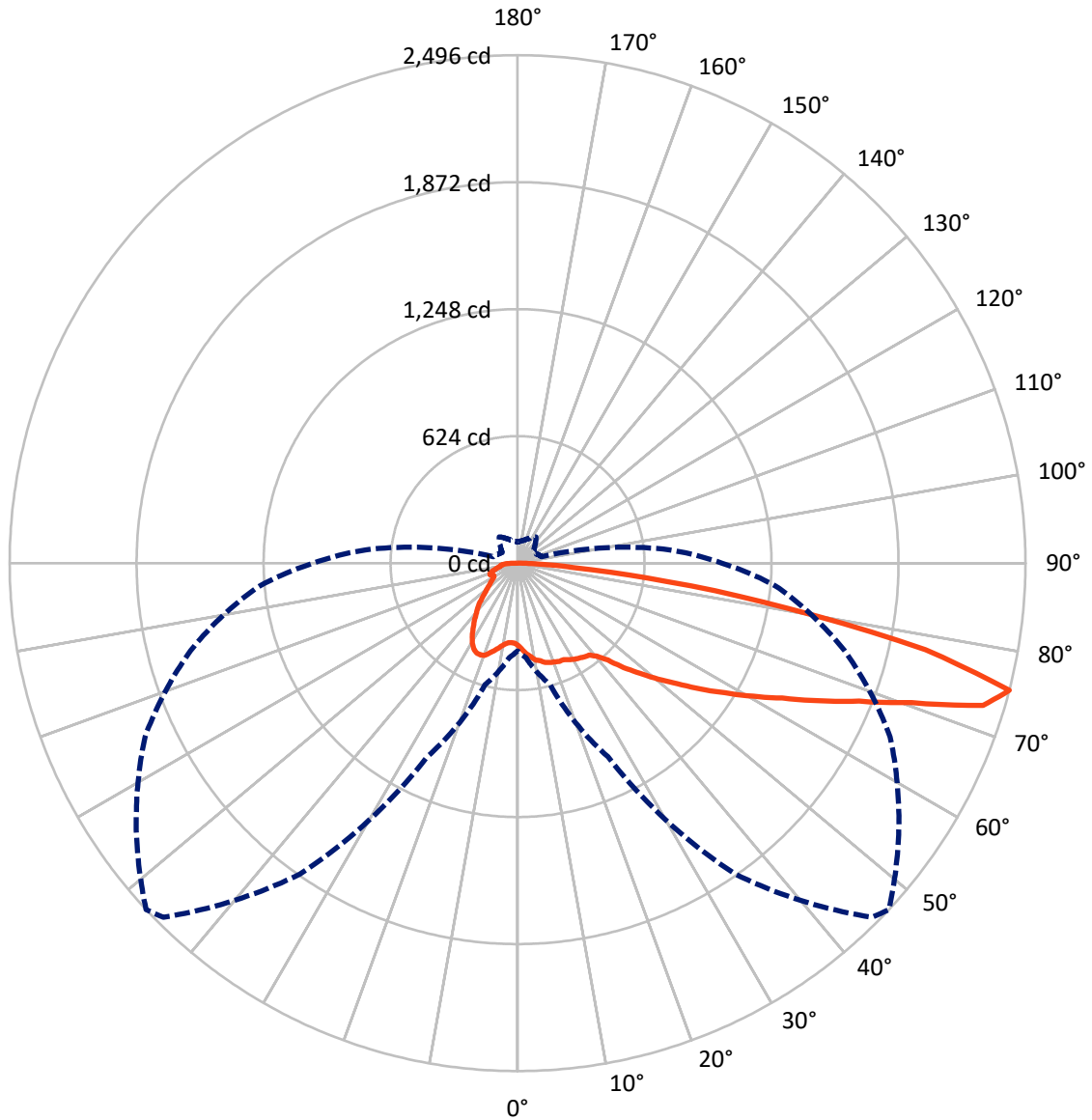
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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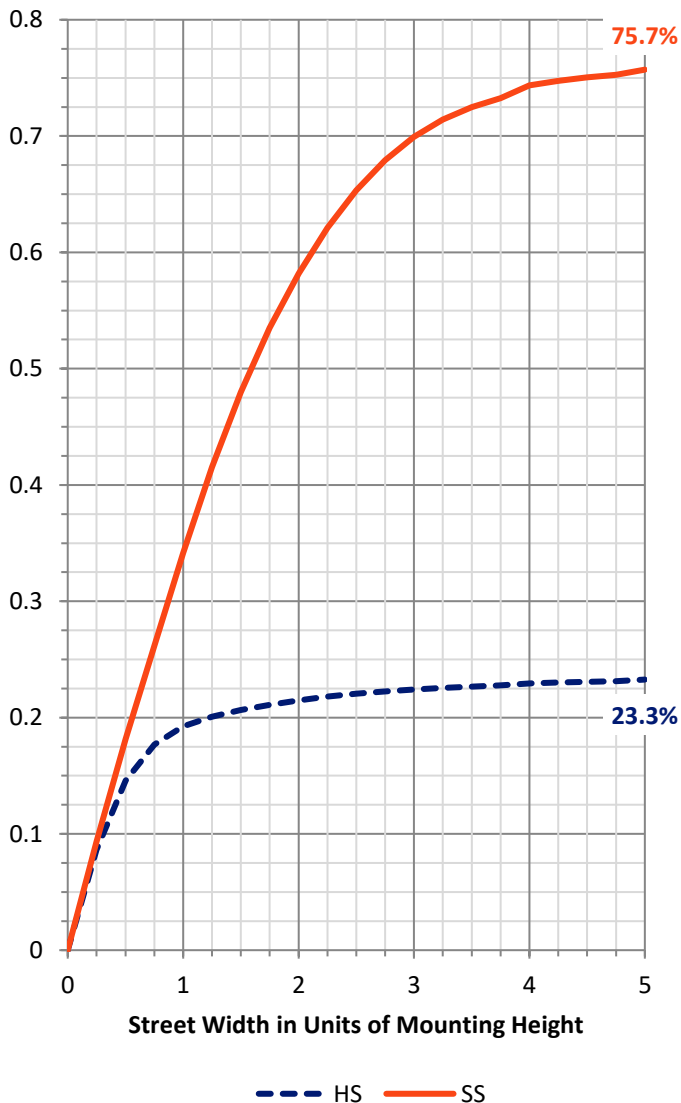
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.2	0.0	912.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2902.3	0.0	2902.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	3814.5	0.0	3814.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.1
10°-20°	136.0	3.6
20°-30°	232.9	6.1
30°-40°	325.9	8.5
40°-50°	454.3	11.9
50°-60°	679.1	17.8
60°-70°	979.1	25.7
70°-80°	833.5	21.8
80°-90°	132.8	3.5
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°	3814.5	100.0
0°-180°	3814.5	100.0

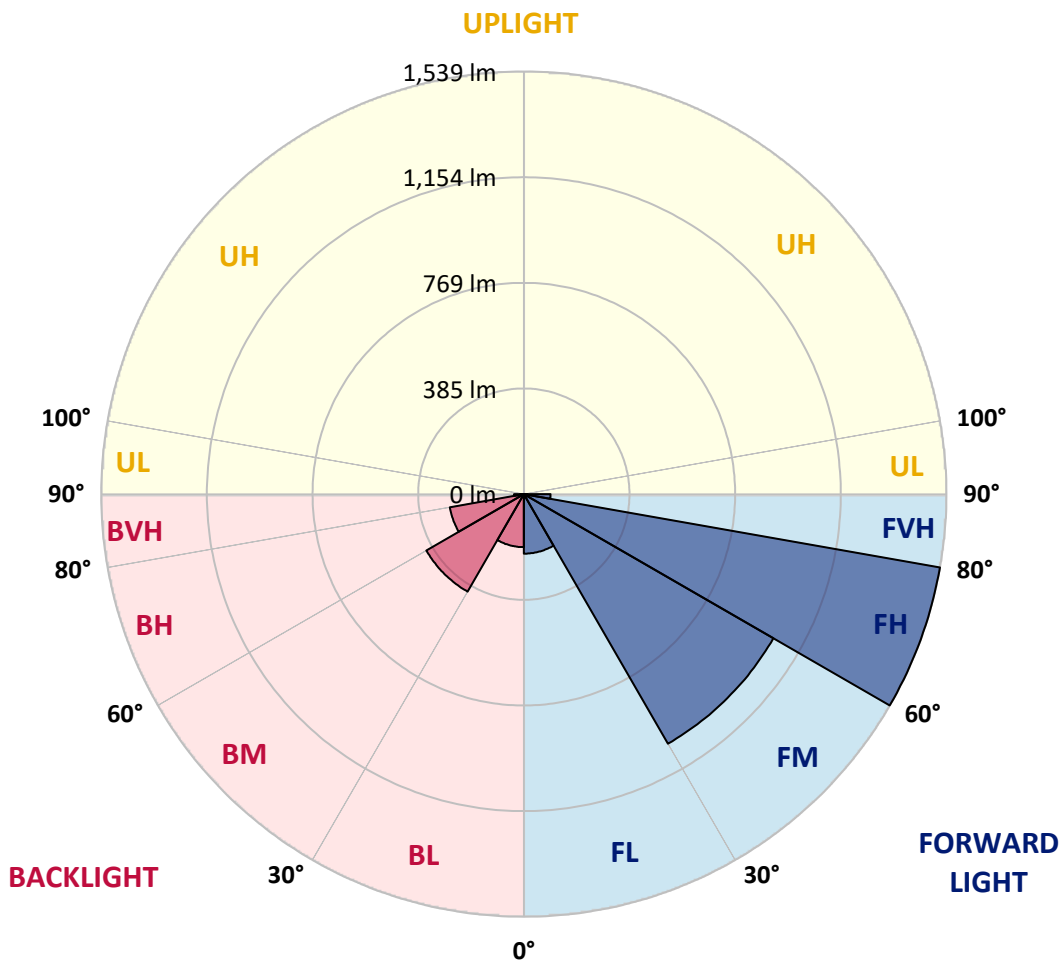


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.7	5.7			
FM (30°-60°)	1049.3	27.5			
FH (60°-80°)	1538.9	40.3			G1/1800
FVH (80°-90°)	97.3	2.6			G1/100
BL (0°-30°)	193.1	5.1	B1/500		
BM (30°-60°)	410.0	10.7	B1/1000		
BH (60°-80°)	273.7	7.2	B1/500		G1/500
BVH (80°-90°)	35.5	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0
2.5°	434.2	435.6	435.6	432.9	430.1	424.5	424.5	418.9	416.2	409.2	406.4
5°	474.6	470.4	466.3	464.9	457.9	448.2	446.8	441.2	425.9	418.9	409.2
7.5°	503.8	502.4	501.1	495.5	483.0	467.7	463.5	455.1	439.8	425.9	414.8
10°	527.5	533.1	527.5	515.0	502.4	485.7	484.4	469.0	455.1	438.4	424.5
12.5°	553.9	555.3	545.6	530.3	510.8	496.9	491.3	485.7	470.4	456.5	435.6
15°	572.0	569.3	562.3	541.4	519.1	505.2	506.6	499.7	483.0	473.2	450.9
17.5°	572.0	572.0	560.9	545.6	526.1	513.6	513.6	509.4	498.3	484.4	469.0
20°	560.9	560.9	553.9	545.6	523.3	520.5	517.8	515.0	515.0	502.4	480.2
22.5°	547.0	544.2	547.0	533.1	517.8	520.5	524.7	523.3	519.1	508.0	492.7
25°	533.1	534.5	537.2	527.5	513.6	526.1	524.7	531.7	528.9	520.5	508.0
27.5°	531.7	534.5	535.8	526.1	520.5	531.7	537.2	544.2	545.6	537.2	521.9
30°	552.6	551.2	549.8	537.2	533.1	542.8	548.4	558.1	566.5	548.4	535.8
32.5°	606.8	598.5	590.1	556.7	544.2	551.2	556.7	570.6	572.0	562.3	544.2
35°	693.1	687.6	659.7	601.3	566.5	559.5	565.1	574.8	577.6	570.6	556.7
37.5°	791.9	789.2	750.2	679.2	612.4	579.0	573.4	587.3	598.5	583.2	563.7
40°	889.4	878.2	850.4	780.8	670.9	608.2	601.3	608.2	612.4	601.3	588.7
42.5°	977.1	964.5	957.6	888.0	747.4	656.9	651.4	634.7	647.2	633.3	616.6
45°	1050.8	1048.0	1045.3	985.4	835.1	736.3	732.1	688.9	702.9	691.7	668.1
47.5°	1103.7	1116.2	1112.1	1078.7	935.3	821.2	808.6	753.0	773.9	762.7	739.1
50°	1166.3	1173.3	1169.1	1146.9	1028.6	918.6	894.9	837.9	861.5	860.1	847.6
52.5°	1222.0	1242.9	1219.2	1217.8	1162.2	1024.4	984.0	929.7	968.7	984.0	982.6
55°	1287.4	1304.1	1297.2	1294.4	1281.9	1127.4	1091.2	1025.8	1091.2	1113.5	1132.9
57.5°	1343.1	1341.7	1368.2	1400.2	1415.5	1245.7	1202.5	1126.0	1224.8	1249.9	1304.1
60°	1368.2	1391.8	1436.4	1517.1	1560.2	1372.3	1327.8	1266.6	1359.8	1379.3	1479.5
62.5°	1384.9	1405.7	1492.0	1628.4	1653.5	1501.8	1460.0	1398.8	1507.3	1521.3	1670.2
65°	1338.9	1358.4	1529.6	1670.2	1759.3	1641.0	1631.2	1567.2	1654.9	1663.2	1870.6
67.5°	1286.0	1306.9	1497.6	1723.1	1899.8	1826.1	1810.8	1734.2	1801.0	1791.3	2023.7
70°	1192.8	1220.6	1415.5	1769.0	2055.7	2084.9	2054.3	1945.8	1952.7	1860.9	2030.7
72.5°	908.9	927.0	1107.9	1586.7	2128.1	2444.0	2391.1	2174.0	2094.7	1874.8	1792.7
75°	431.5	464.9	618.0	1049.4	1865.0	2460.7	2495.5	2286.8	2019.5	1663.2	1270.7
77.5°	125.3	125.3	187.9	445.4	1169.1	1983.3	2048.8	1941.6	1666.0	1231.8	668.1
80°	68.2	72.4	98.8	157.3	513.6	1251.2	1345.9	1287.4	981.2	487.1	172.6
82.5°	39.0	40.4	65.4	94.6	233.8	680.6	736.3	668.1	373.0	147.5	80.7
85°	22.3	23.7	37.6	62.6	139.2	250.5	272.8	236.6	150.3	98.8	40.4
87.5°	11.1	11.1	18.1	29.2	71.0	71.0	69.6	84.9	90.5	59.8	18.1
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°	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0
2.5°	405.0	403.6	403.6	398.1	396.7	392.5	392.5	389.7	388.3	392.5	392.5
5°	406.4	399.5	398.1	392.5	393.9	391.1	396.7	393.9	392.5	392.5	391.1
7.5°	409.2	402.2	396.7	392.5	391.1	395.3	402.2	402.2	410.6	406.4	406.4
10°	416.2	412.0	405.0	402.2	402.2	406.4	414.8	420.3	427.3	427.3	423.1
12.5°	432.9	425.9	417.5	413.4	418.9	423.1	431.5	437.0	445.4	448.2	445.4
15°	445.4	438.4	435.6	432.9	437.0	442.6	449.6	455.1	464.9	467.7	466.3
17.5°	462.1	453.7	452.3	453.7	456.5	460.7	464.9	469.0	476.0	476.0	476.0
20°	470.4	467.7	466.3	470.4	476.0	481.6	478.8	476.0	474.6	477.4	476.0
22.5°	485.7	483.0	484.4	488.5	488.5	485.7	481.6	471.8	469.0	471.8	469.0
25°	499.7	496.9	496.9	494.1	492.7	483.0	474.6	466.3	456.5	460.7	459.3
27.5°	513.6	512.2	512.2	501.1	487.1	470.4	459.3	449.6	444.0	450.9	446.8
30°	530.3	531.7	524.7	498.3	464.9	446.8	434.2	432.9	431.5	435.6	434.2
32.5°	545.6	547.0	535.8	494.1	448.2	413.4	400.8	402.2	409.2	416.2	423.1
35°	553.9	560.9	547.0	480.2	414.8	375.8	361.9	374.4	386.9	396.7	403.6
37.5°	569.3	587.3	563.7	464.9	385.5	342.4	332.6	336.8	352.1	367.4	374.4
40°	591.5	612.4	567.9	435.6	346.6	309.0	303.4	304.8	310.4	320.1	327.1
42.5°	630.5	652.8	572.0	398.1	307.6	288.1	272.8	268.6	264.4	264.4	263.1
45°	687.6	708.4	566.5	350.7	268.6	254.7	243.6	233.8	222.7	204.6	207.4
47.5°	771.1	787.8	570.6	309.0	232.4	221.3	212.9	201.8	185.1	165.6	164.2
50°	897.7	872.7	565.1	265.8	206.0	196.2	189.3	174.0	154.5	140.6	139.2
52.5°	1045.3	995.1	559.5	229.6	183.7	175.4	169.8	153.1	135.0	128.0	126.7
55°	1223.4	1151.0	567.9	197.6	167.0	160.1	154.5	139.2	125.3	119.7	118.3
57.5°	1433.6	1319.4	613.8	172.6	148.9	146.1	144.7	132.2	119.7	115.5	114.1
60°	1631.2	1480.9	644.4	154.5	132.2	135.0	137.8	132.2	118.3	115.5	115.5
62.5°	1796.8	1614.5	595.7	139.2	123.9	132.2	144.7	140.6	135.0	137.8	135.0
65°	1943.0	1660.4	445.4	130.8	119.7	139.2	160.1	158.7	146.1	148.9	147.5
67.5°	1968.0	1604.8	290.9	123.9	116.9	153.1	179.5	162.8	137.8	137.8	133.6
70°	1863.6	1455.8	194.9	116.9	115.5	153.1	183.7	153.1	129.4	129.4	123.9
72.5°	1529.6	1163.6	150.3	110.0	105.8	136.4	174.0	144.7	121.1	118.3	108.6
75°	1004.9	750.2	122.5	104.4	91.9	119.7	157.3	133.6	115.5	107.2	103.0
77.5°	492.7	336.8	103.0	91.9	79.3	104.4	143.4	126.7	108.6	100.2	97.4
80°	135.0	121.1	86.3	80.7	66.8	90.5	135.0	121.1	101.6	93.3	89.1
82.5°	76.5	75.2	69.6	65.4	55.7	90.5	136.4	121.1	96.0	94.6	80.7
85°	41.8	44.5	50.1	48.7	43.1	80.7	129.4	105.8	77.9	65.4	65.4
87.5°	16.7	20.9	25.1	27.8	29.2	59.8	97.4	80.7	59.8	50.1	50.1
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)