

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: P670783

Luminaire Tested: **CCP-SA-1C-727-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670783
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-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3820.4 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - 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

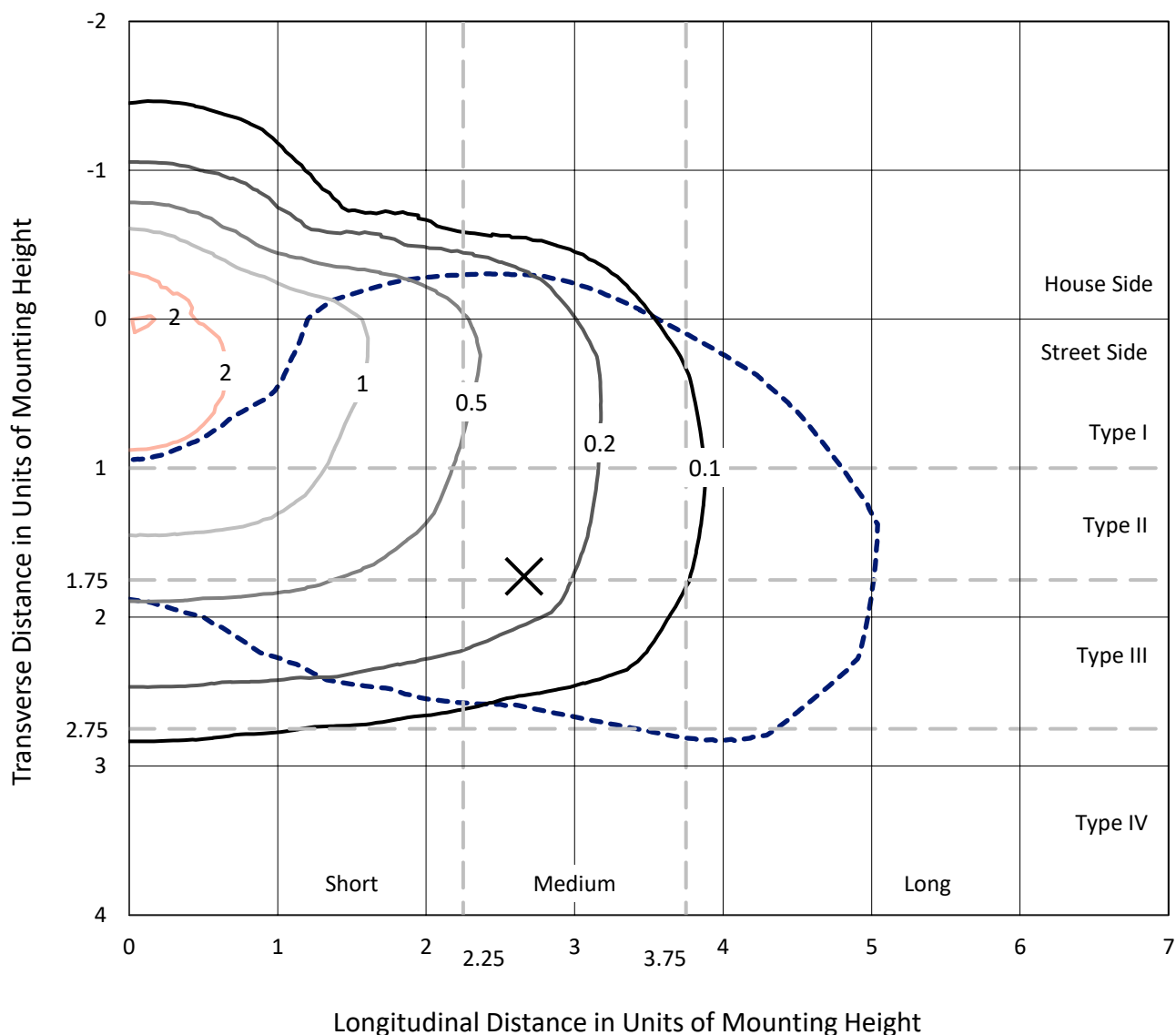
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

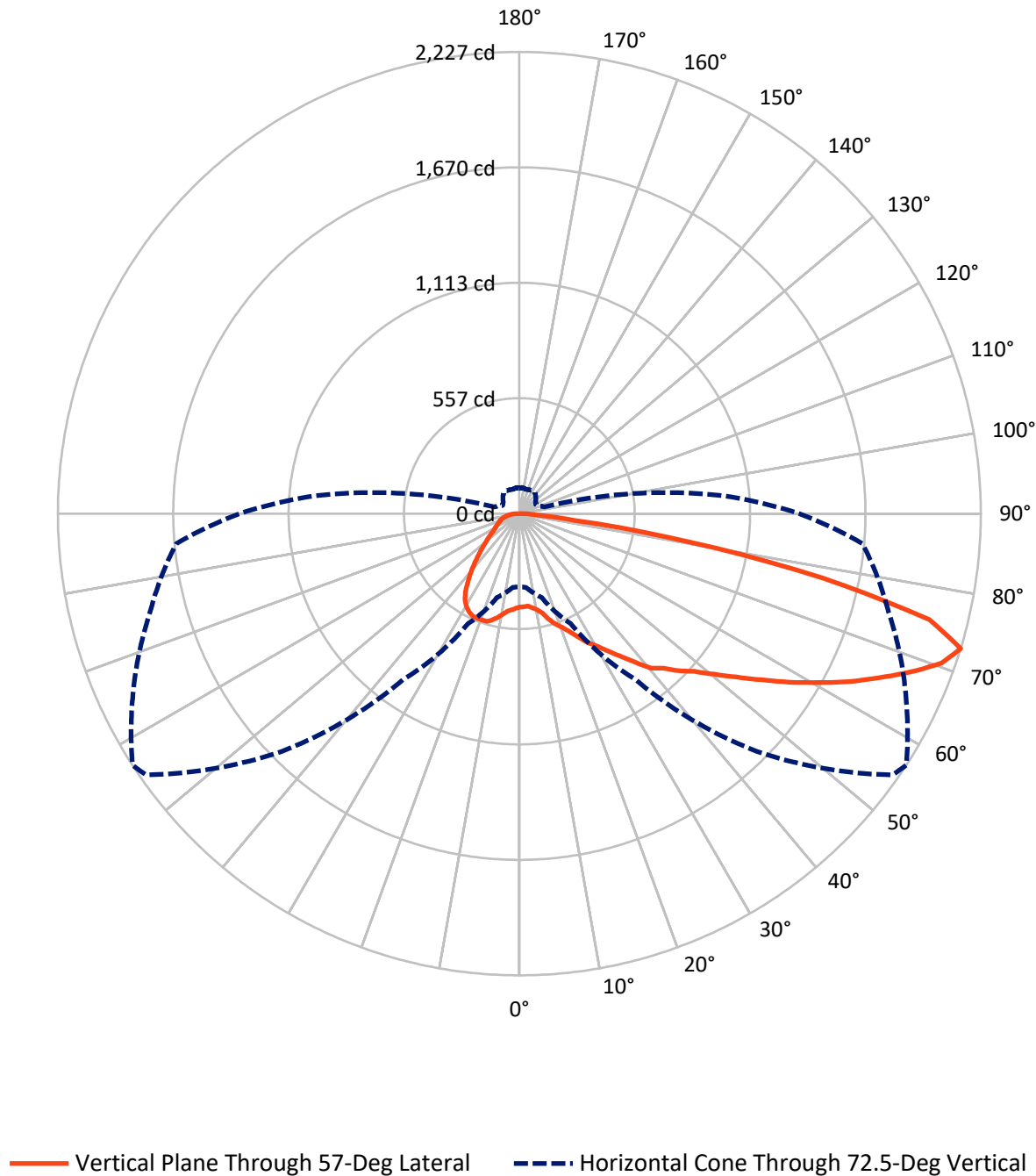
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	892.2	0.0	892.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2928.2	0.0	2928.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	3820.4	0.0	3820.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	1.2
10°-20°	150.8	3.9
20°-30°	275.8	7.2
30°-40°	404.6	10.6
40°-50°	557.0	14.6
50°-60°	763.9	20.0
60°-70°	920.8	24.1
70°-80°	613.4	16.1
80°-90°	89.3	2.3
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°	3820.4	100.0
0°-180°	3820.4	100.0

Coefficient of Utilization



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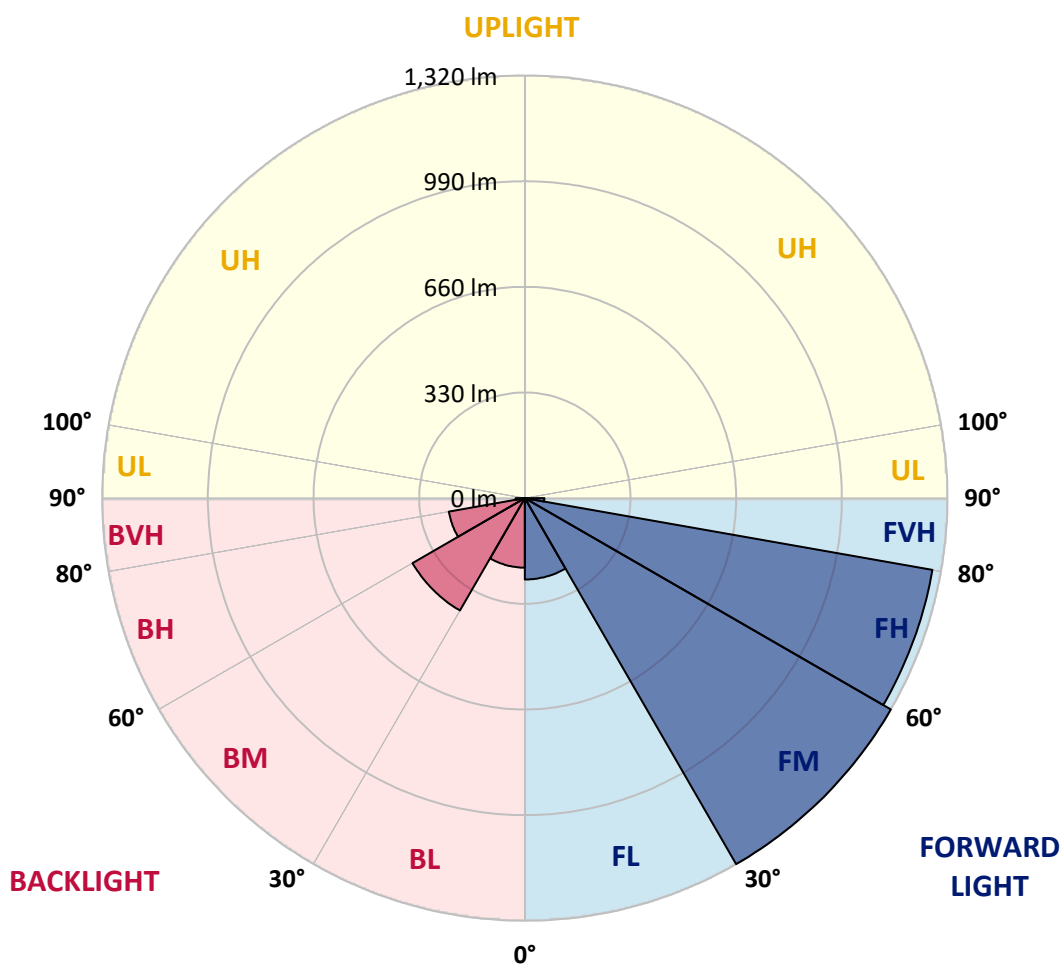
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.2	6.7			
FM	(30°-60°)	1320.2	34.6			
FH	(60°-80°)	1293.0	33.8			G1/1800
FVH	(80°-90°)	60.8	1.6			G1/100
BL	(0°-30°)	217.2	5.7	B1/500		
BM	(30°-60°)	405.2	10.6	B1/1000		
BH	(60°-80°)	241.2	6.3	B1/500		G1/500
BVH	(80°-90°)	28.5	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	442.6	444.0	446.8	445.4	445.4	441.2	448.1	449.5	446.8	448.1	450.9
5°	442.6	445.4	449.5	446.8	448.1	446.8	444.0	448.1	448.1	449.5	453.7
7.5°	466.2	464.8	464.8	460.7	459.3	457.9	459.3	459.3	456.5	457.9	457.9
10°	492.7	492.7	489.9	489.9	487.1	480.2	473.2	471.8	467.6	469.0	469.0
12.5°	520.5	523.3	526.1	517.7	514.9	503.8	499.6	491.3	491.3	488.5	487.1
15°	555.3	551.1	553.9	551.1	544.2	533.0	526.1	527.5	517.7	514.9	510.8
17.5°	585.9	587.3	583.1	580.4	567.8	559.5	560.9	559.5	547.0	542.8	535.8
20°	622.1	620.7	620.7	612.4	601.2	590.1	585.9	584.5	587.3	579.0	562.3
22.5°	659.7	654.1	654.1	647.2	631.9	624.9	622.1	616.5	619.3	612.4	587.3
25°	690.3	690.3	700.1	686.1	677.8	663.9	658.3	659.7	661.1	647.2	617.9
27.5°	730.7	723.7	733.5	726.5	722.3	707.0	700.1	704.2	701.4	686.1	645.8
30°	782.2	783.6	778.0	768.2	762.7	751.5	747.4	743.2	747.4	727.9	676.4
32.5°	846.2	850.4	836.4	825.3	815.6	804.4	796.1	791.9	796.1	766.9	700.1
35°	920.0	924.1	913.0	900.5	889.3	861.5	854.5	847.6	832.3	784.9	722.3
37.5°	988.1	982.6	979.8	979.8	958.9	918.6	914.4	910.2	881.0	821.1	752.9
40°	1034.1	1041.0	1038.2	1035.5	1032.7	995.1	986.8	979.8	931.1	875.4	796.1
42.5°	1085.6	1081.4	1092.5	1096.7	1087.0	1075.8	1042.4	1018.8	975.6	931.1	860.1
45°	1146.8	1144.0	1148.2	1163.5	1149.6	1153.8	1098.1	1081.4	1027.1	1000.7	940.8
47.5°	1201.1	1208.0	1228.9	1233.1	1222.0	1241.4	1163.5	1137.1	1102.3	1081.4	1024.3
50°	1224.7	1233.1	1280.4	1309.6	1311.0	1341.7	1228.9	1217.8	1170.5	1178.8	1128.7
52.5°	1205.3	1231.7	1288.8	1365.3	1412.6	1443.3	1315.2	1309.6	1266.5	1292.9	1242.8
55°	1223.4	1248.4	1286.0	1393.1	1512.8	1519.8	1434.9	1414.0	1370.9	1407.1	1361.1
57.5°	1231.7	1217.8	1288.8	1423.8	1586.6	1604.7	1549.0	1533.7	1500.3	1535.1	1508.7
60°	1166.3	1183.0	1249.8	1415.4	1590.8	1695.2	1677.1	1654.8	1624.2	1656.2	1640.9
62.5°	1092.5	1103.7	1176.0	1365.3	1614.4	1760.6	1800.9	1784.2	1741.1	1768.9	1795.4
65°	999.3	1000.7	1081.4	1276.2	1568.5	1798.1	1909.5	1908.1	1877.5	1870.5	1912.3
67.5°	885.2	896.3	960.3	1181.6	1505.9	1839.9	2016.7	2037.5	1976.3	1922.0	1937.3
70°	679.2	690.3	751.5	968.7	1377.8	1827.4	2148.9	2160.0	2040.3	1902.5	1863.6
72.5°	353.5	356.3	418.9	584.5	977.0	1622.8	2197.6	2226.8	2057.0	1845.5	1661.8
75°	116.9	116.9	143.4	222.7	460.7	1038.2	1990.2	2043.1	1974.9	1703.5	1359.7
77.5°	69.6	71.0	84.9	111.3	183.7	414.7	1402.9	1496.1	1615.8	1448.8	993.7
80°	50.1	51.5	64.0	76.5	109.9	133.6	704.2	833.7	992.3	932.5	530.3
82.5°	37.6	37.6	50.1	57.1	75.2	79.3	196.2	268.6	428.7	334.0	146.1
85°	39.0	39.0	39.0	40.4	51.5	45.9	82.1	87.7	125.3	109.9	40.4
87.5°	13.9	15.3	39.0	26.4	26.4	19.5	32.0	34.8	44.5	45.9	15.3
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°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	452.3	452.3	453.7	453.7	456.5	459.3	463.5	460.7	460.7	462.1	460.7
5°	450.9	452.3	456.5	463.5	466.2	467.6	476.0	476.0	476.0	478.8	478.8
7.5°	456.5	459.3	466.2	473.2	474.6	478.8	489.9	492.7	499.6	502.4	503.8
10°	470.4	474.6	480.2	488.5	494.1	499.6	508.0	517.7	516.3	524.7	526.1
12.5°	491.3	489.9	499.6	508.0	513.6	521.9	524.7	524.7	524.7	524.7	527.5
15°	508.0	510.8	519.1	524.7	531.7	530.3	524.7	519.1	520.5	519.1	519.1
17.5°	533.0	533.0	540.0	541.4	544.2	530.3	521.9	521.9	526.1	526.1	523.3
20°	558.1	556.7	559.5	558.1	540.0	523.3	521.9	523.3	524.7	523.3	521.9
22.5°	581.8	579.0	574.8	569.2	537.2	521.9	519.1	512.2	505.2	505.2	501.0
25°	602.6	599.8	588.7	572.0	535.8	513.6	499.6	482.9	474.6	470.4	476.0
27.5°	622.1	616.5	601.2	572.0	523.3	491.3	464.8	444.0	437.0	431.4	437.0
30°	648.6	638.8	617.9	567.8	503.8	456.5	420.3	395.3	388.3	379.9	382.7
32.5°	672.2	649.9	631.9	555.3	478.8	417.5	375.8	350.7	338.2	331.2	336.8
35°	697.3	675.0	637.4	535.8	439.8	370.2	328.5	304.8	295.1	285.3	285.3
37.5°	722.3	709.8	645.8	499.6	392.5	325.7	288.1	270.0	253.3	235.2	235.2
40°	775.2	758.5	655.5	457.9	345.2	282.5	256.1	232.4	215.7	190.7	189.3
42.5°	830.9	794.7	655.5	407.8	303.4	251.9	226.9	201.8	171.2	155.9	157.3
45°	901.9	860.1	637.4	363.2	261.6	226.9	199.0	167.0	153.1	143.4	143.4
47.5°	990.9	925.5	615.2	314.5	228.2	204.6	169.8	150.3	140.6	132.2	130.8
50°	1096.7	985.4	587.3	272.8	200.4	183.7	154.5	139.2	130.8	125.3	125.3
52.5°	1208.0	1073.0	567.8	235.2	178.1	155.9	143.4	133.6	126.6	122.5	121.1
55°	1320.8	1160.7	553.9	194.8	157.3	143.4	140.6	132.2	129.4	125.3	122.5
57.5°	1447.4	1233.1	551.1	167.0	140.6	137.8	143.4	136.4	132.2	128.0	123.9
60°	1583.8	1330.5	526.1	144.7	132.2	135.0	139.2	132.2	129.4	125.3	122.5
62.5°	1718.8	1402.9	457.9	128.0	123.9	126.6	132.2	126.6	122.5	123.9	125.3
65°	1774.5	1408.5	354.9	115.5	114.1	115.5	123.9	122.5	118.3	126.6	126.6
67.5°	1718.8	1358.4	250.5	104.4	104.4	111.3	125.3	128.0	123.9	135.0	133.6
70°	1592.2	1234.5	169.8	97.4	100.2	118.3	129.4	126.6	121.1	135.0	132.2
72.5°	1351.4	988.1	123.9	90.5	94.6	112.7	128.0	125.3	121.1	126.6	121.1
75°	1014.6	702.8	97.4	82.1	83.5	101.6	132.2	125.3	114.1	111.3	107.2
77.5°	677.8	434.2	75.2	72.4	72.4	89.1	126.6	116.9	103.0	98.8	97.4
80°	322.9	174.0	59.8	61.2	62.6	76.5	115.5	104.4	93.2	87.7	87.7
82.5°	103.0	65.4	50.1	50.1	50.1	62.6	96.0	87.7	80.7	76.5	69.6
85°	36.2	36.2	43.1	44.5	40.4	45.9	79.3	75.2	66.8	55.7	54.3
87.5°	13.9	20.9	29.2	34.8	25.1	32.0	57.1	52.9	48.7	36.2	34.8
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)