

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: P670671

Luminaire Tested: **CCP-SA-1B-740-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670671
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-740-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3445 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

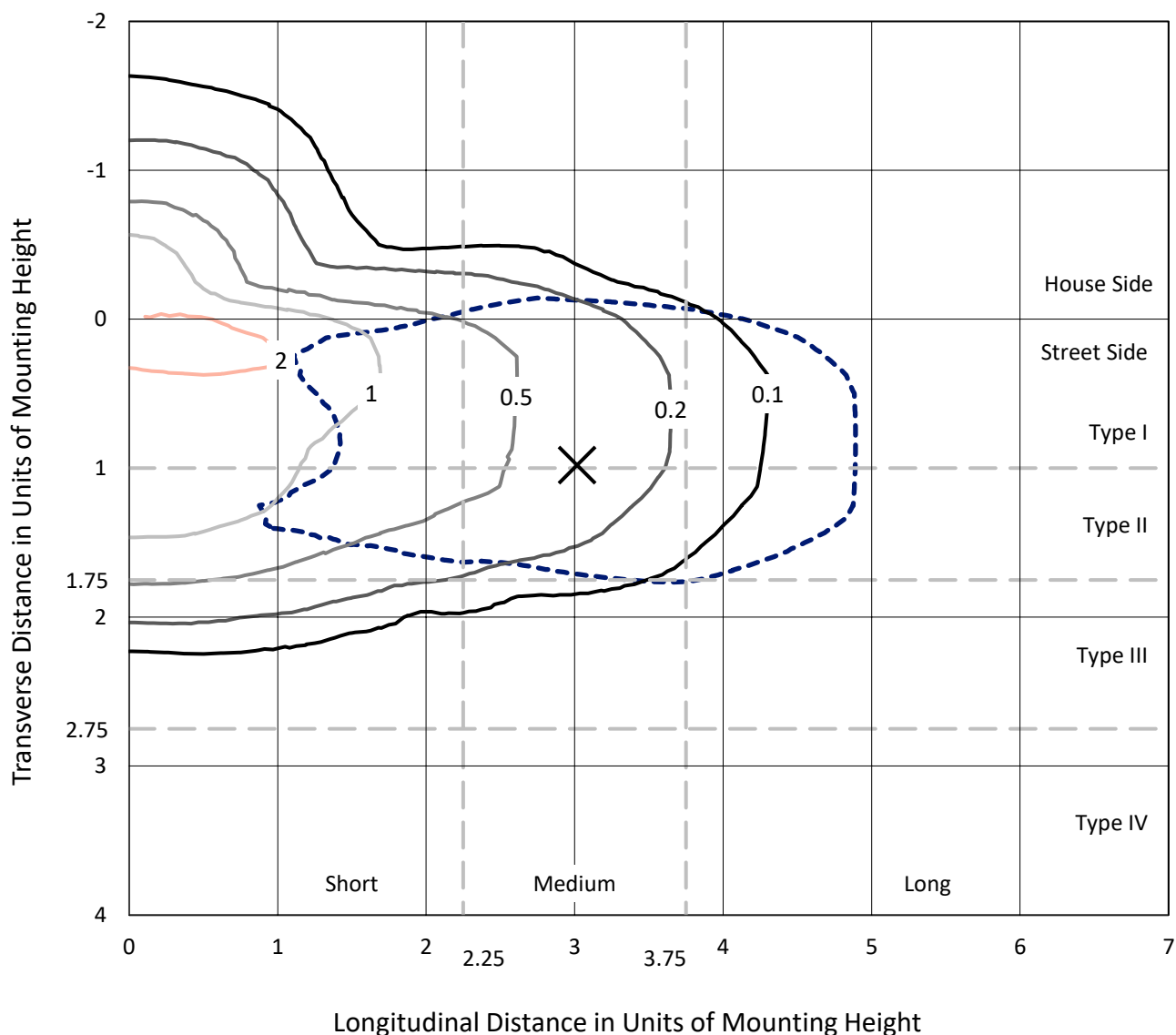
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

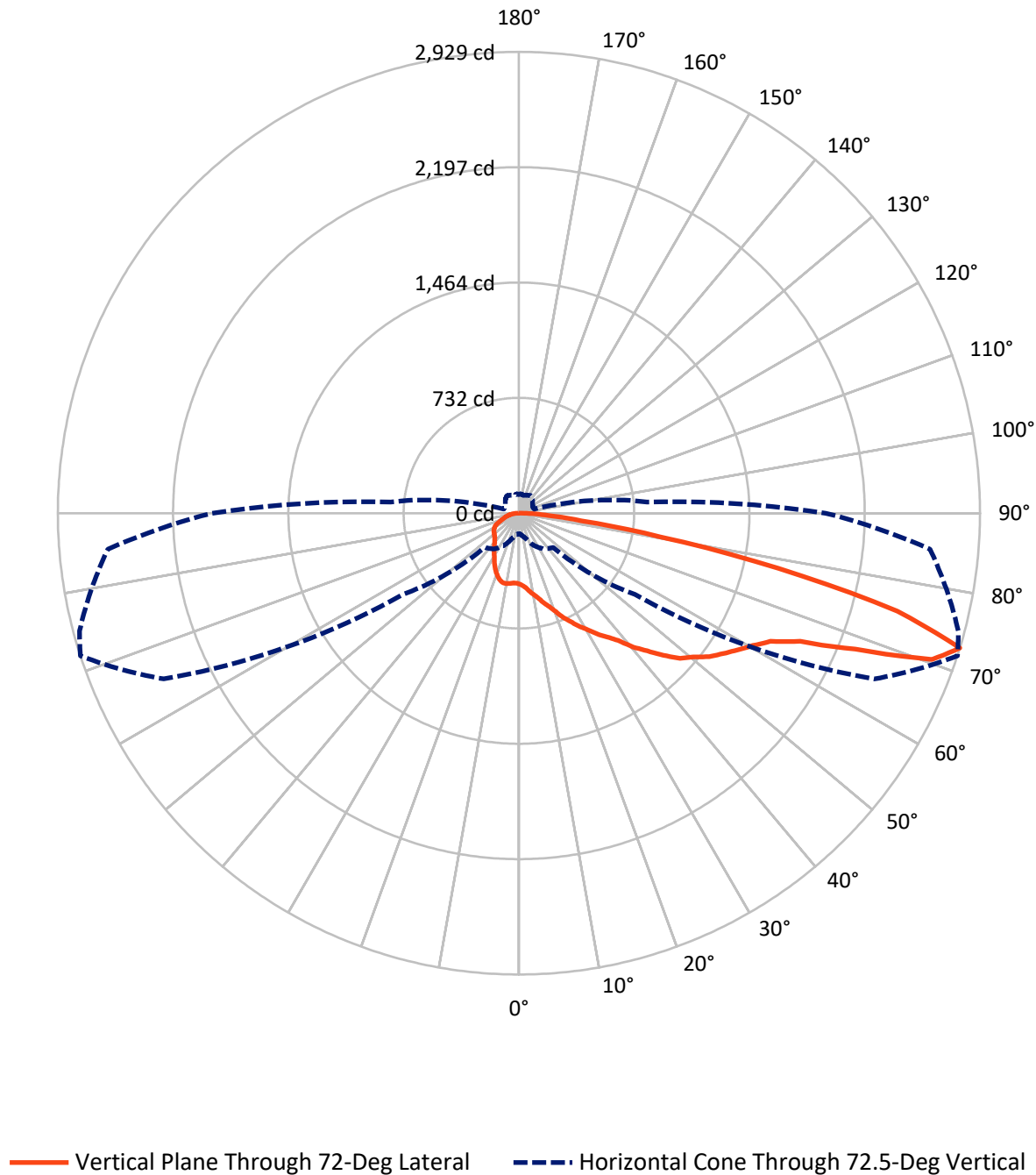


Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.0	0.0	725.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2720.0	0.0	2720.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	3445.0	0.0	3445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.3
10°-20°	138.2	4.0
20°-30°	239.2	6.9
30°-40°	353.4	10.3
40°-50°	525.5	15.3
50°-60°	720.4	20.9
60°-70°	781.4	22.7
70°-80°	550.9	16.0
80°-90°	91.5	2.7
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°	3445.0	100.0
0°-180°	3445.0	100.0

Coefficient of Utilization



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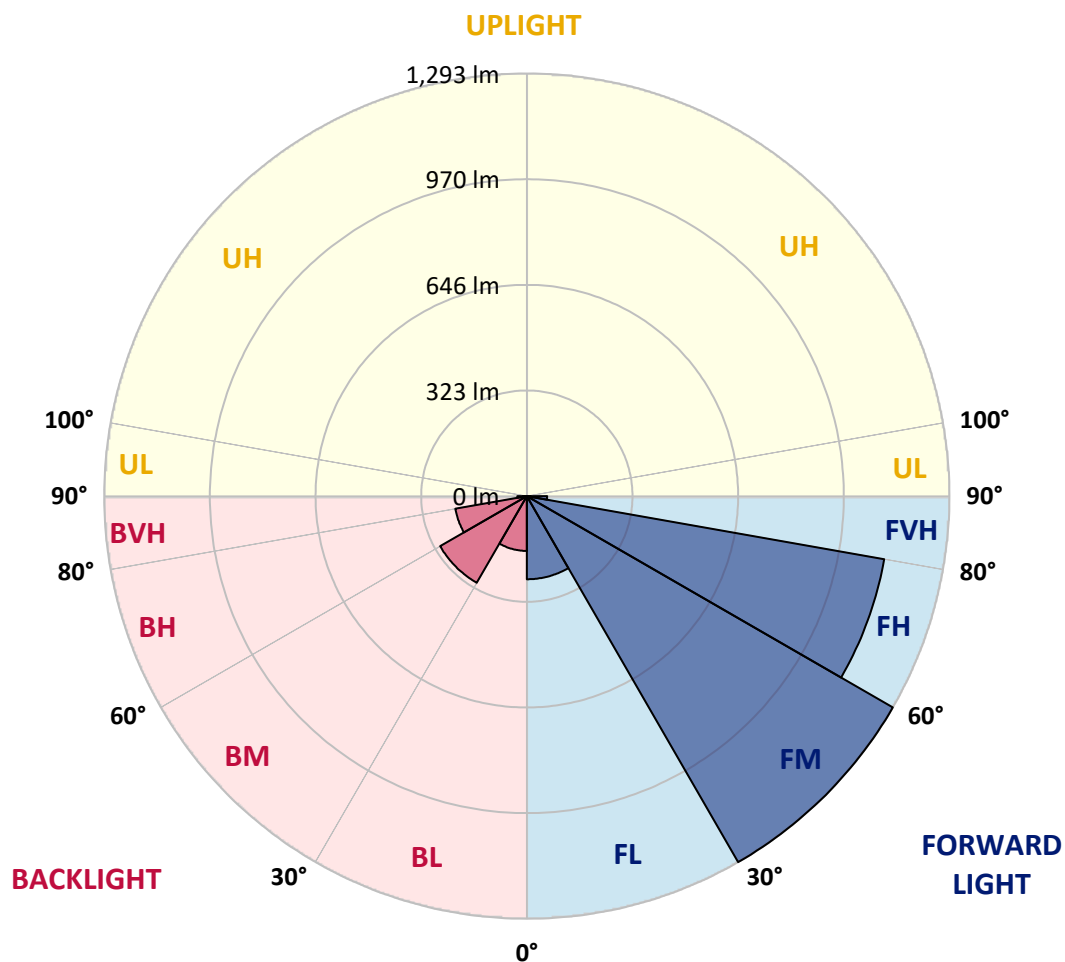
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.4	7.4			
FM	(30°-60°)	1293.0	37.5			
FH	(60°-80°)	1110.2	32.2			G1/1800
FVH	(80°-90°)	62.4	1.8			G1/100
BL	(0°-30°)	167.6	4.9	B1/500		
BM	(30°-60°)	306.2	8.9	B1/1000		
BH	(60°-80°)	222.1	6.4	B1/500		G1/500
BVH	(80°-90°)	29.1	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	485.6	485.6	481.8	480.5	480.5	470.4	471.6	465.3	460.2	460.2	455.1
5°	511.0	508.5	508.5	508.5	502.1	498.3	497.0	485.6	476.7	478.0	462.7
7.5°	517.4	518.7	519.9	526.3	522.5	525.0	522.5	509.8	503.4	497.0	483.1
10°	521.2	523.7	523.7	532.6	532.6	539.0	542.8	537.7	526.3	519.9	497.0
12.5°	530.1	526.3	531.4	537.7	544.1	555.5	567.0	561.9	554.3	546.6	521.2
15°	530.1	531.4	535.2	545.4	555.5	567.0	587.3	594.9	591.1	577.1	550.4
17.5°	514.8	511.0	528.8	547.9	567.0	580.9	607.6	625.4	622.9	617.8	577.1
20°	516.1	519.9	526.3	542.8	573.3	598.7	631.8	661.0	667.4	664.8	612.7
22.5°	539.0	540.3	546.6	554.3	578.4	611.5	661.0	708.1	719.5	713.2	652.1
25°	561.9	572.0	572.0	577.1	586.0	620.4	680.1	746.2	762.7	764.0	692.8
27.5°	598.7	601.3	608.9	611.5	619.1	639.4	701.7	774.2	812.3	807.2	729.7
30°	642.0	643.2	648.3	645.8	647.0	672.5	722.1	806.0	858.1	859.3	769.1
32.5°	692.8	703.0	705.5	689.0	691.5	697.9	753.8	844.1	915.3	906.4	803.4
35°	767.8	771.6	764.0	756.4	737.3	733.5	786.9	882.2	964.9	975.0	854.3
37.5°	860.6	870.8	860.6	819.9	799.6	784.3	827.6	924.2	1024.6	1058.9	905.1
40°	947.1	945.8	935.6	898.8	863.2	851.7	886.0	982.7	1117.4	1150.5	978.8
42.5°	1017.0	1013.2	1006.8	978.8	945.8	926.7	953.4	1043.7	1194.9	1258.5	1064.0
45°	1078.0	1072.9	1074.2	1042.4	1010.6	1020.8	1020.8	1113.6	1286.5	1365.3	1161.9
47.5°	1135.2	1137.7	1133.9	1109.8	1085.6	1112.3	1098.3	1193.7	1376.7	1464.4	1244.5
50°	1201.3	1206.4	1193.7	1178.4	1156.8	1183.5	1165.7	1268.7	1435.2	1554.7	1343.7
52.5°	1263.6	1268.7	1280.1	1261.0	1239.4	1261.0	1220.4	1338.6	1512.7	1642.4	1420.0
55°	1278.8	1276.3	1339.9	1360.2	1371.6	1306.8	1268.7	1398.3	1573.8	1698.3	1506.4
57.5°	1208.9	1215.3	1301.7	1360.2	1482.2	1426.3	1323.3	1468.3	1637.3	1772.1	1586.5
60°	1034.8	1038.6	1146.6	1285.2	1463.2	1538.2	1470.8	1558.5	1707.2	1834.4	1676.7
62.5°	691.5	720.8	855.5	1072.9	1328.4	1568.7	1706.0	1711.1	1792.4	1913.2	1800.0
65°	364.8	378.8	484.3	659.8	1006.8	1463.2	1927.2	2013.6	1962.8	2058.1	1978.0
67.5°	239.0	244.1	301.3	400.4	580.9	1067.8	1952.6	2538.6	2304.7	2334.0	2262.8
70°	178.0	180.5	222.5	296.2	359.8	570.8	1600.5	2784.0	2782.7	2705.2	2600.9
72.5°	130.9	134.7	164.0	226.3	277.1	307.6	900.0	2490.3	2928.9	2889.5	2621.3
75°	103.0	105.5	120.8	175.4	223.7	202.1	456.4	1844.5	2484.0	2673.4	2398.8
77.5°	83.9	86.4	95.3	127.1	179.2	156.4	218.6	1189.9	1684.4	1924.6	1835.6
80°	69.9	69.9	76.3	90.3	138.6	118.2	129.7	668.7	907.6	1001.7	832.6
82.5°	59.7	58.5	63.6	66.1	103.0	85.2	83.9	302.5	399.2	423.3	312.7
85°	38.1	39.4	59.7	57.2	67.4	58.5	47.0	143.6	188.1	192.0	117.0
87.5°	15.3	15.3	25.4	31.8	38.1	35.6	22.9	64.8	82.6	82.6	33.1
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°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	453.8	448.7	444.9	442.4	436.0	429.7	430.9	429.7	424.6	422.0	422.0
5°	458.9	453.8	447.5	437.3	430.9	423.3	425.9	420.8	415.7	419.5	413.1
7.5°	471.6	462.7	453.8	438.6	428.4	417.0	411.9	409.3	405.5	403.0	403.0
10°	489.4	476.7	460.2	437.3	420.8	403.0	400.4	395.3	391.5	391.5	390.3
12.5°	507.2	493.2	465.3	428.4	400.4	387.7	386.5	387.7	390.3	391.5	392.8
15°	530.1	507.2	464.0	411.9	383.9	378.8	385.2	390.3	395.3	400.4	399.2
17.5°	551.7	525.0	452.6	391.5	369.9	371.2	382.6	392.8	403.0	408.1	409.3
20°	580.9	541.5	436.0	367.4	355.9	367.4	382.6	395.3	406.8	413.1	414.4
22.5°	614.0	560.6	414.4	345.8	344.5	355.9	371.2	390.3	403.0	414.4	413.1
25°	643.2	573.3	386.5	328.0	330.5	338.1	355.9	376.3	389.0	401.7	397.9
27.5°	662.3	575.9	357.2	315.3	315.3	322.9	339.4	352.1	363.6	373.7	375.0
30°	683.9	570.8	324.2	298.7	298.7	308.9	315.3	322.9	329.2	331.8	334.3
32.5°	709.3	559.3	303.8	286.0	286.0	293.7	297.5	294.9	293.7	287.3	291.1
35°	733.5	542.8	280.9	269.5	274.6	278.4	277.1	269.5	261.9	250.4	246.6
37.5°	762.7	526.3	260.6	251.7	260.6	261.9	261.9	253.0	242.8	228.8	228.8
40°	807.2	513.6	244.1	240.3	249.2	247.9	241.5	235.2	239.0	231.4	231.4
42.5°	854.3	508.5	228.8	230.1	233.9	235.2	228.8	221.2	236.4	227.5	228.8
45°	912.7	512.3	218.6	217.4	226.3	225.0	221.2	214.8	219.9	197.0	190.7
47.5°	967.4	519.9	213.6	208.5	218.6	221.2	216.1	202.1	194.5	180.5	178.0
50°	1017.0	536.5	208.5	198.3	208.5	213.6	204.7	189.4	180.5	171.6	171.6
52.5°	1064.0	560.6	205.9	186.9	195.8	202.1	197.0	181.8	171.6	167.8	164.0
55°	1112.3	582.2	202.1	179.2	181.8	194.5	193.2	172.9	162.7	162.7	161.4
57.5°	1181.0	611.5	197.0	166.5	171.6	185.6	185.6	169.1	157.6	158.9	160.2
60°	1250.9	645.8	192.0	153.8	157.6	176.7	179.2	164.0	153.8	155.1	153.8
62.5°	1362.7	709.3	181.8	138.6	146.2	165.3	171.6	157.6	148.7	151.3	151.3
65°	1531.8	818.7	160.2	125.9	134.7	155.1	164.0	151.3	141.1	148.7	146.2
67.5°	1803.9	968.7	134.7	115.7	127.1	144.9	155.1	143.6	134.7	146.2	142.4
70°	2047.9	1042.4	115.7	106.8	115.7	133.5	144.9	136.0	127.1	138.6	133.5
72.5°	1948.8	817.4	100.4	96.6	105.5	120.8	134.7	125.9	117.0	123.3	118.2
75°	1681.8	650.9	87.7	86.4	94.1	109.3	123.3	117.0	108.1	110.6	108.1
77.5°	1275.0	537.7	75.0	73.7	80.1	97.9	110.6	105.5	96.6	95.3	95.3
80°	569.5	264.4	62.3	62.3	66.1	83.9	94.1	91.5	82.6	81.4	80.1
82.5°	186.9	100.4	50.8	48.3	53.4	69.9	83.9	81.4	72.5	69.9	67.4
85°	75.0	48.3	36.9	36.9	42.0	58.5	75.0	69.9	58.5	52.1	52.1
87.5°	25.4	20.3	19.1	19.1	26.7	39.4	55.9	47.0	42.0	36.9	38.1
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)