

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: P672034

Luminaire Tested: **CCP-SA-1C-840-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672034
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3890.1 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
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

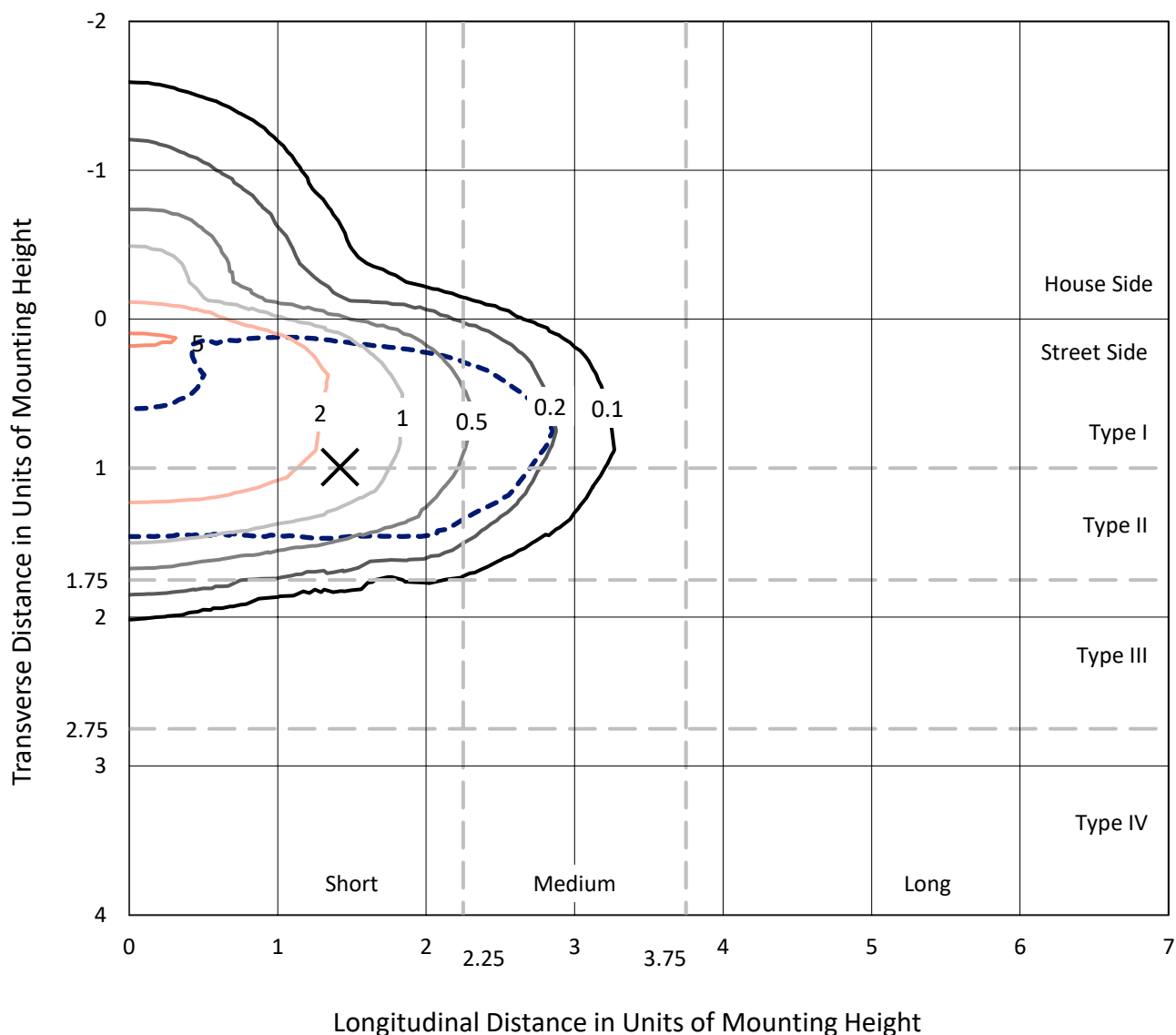
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



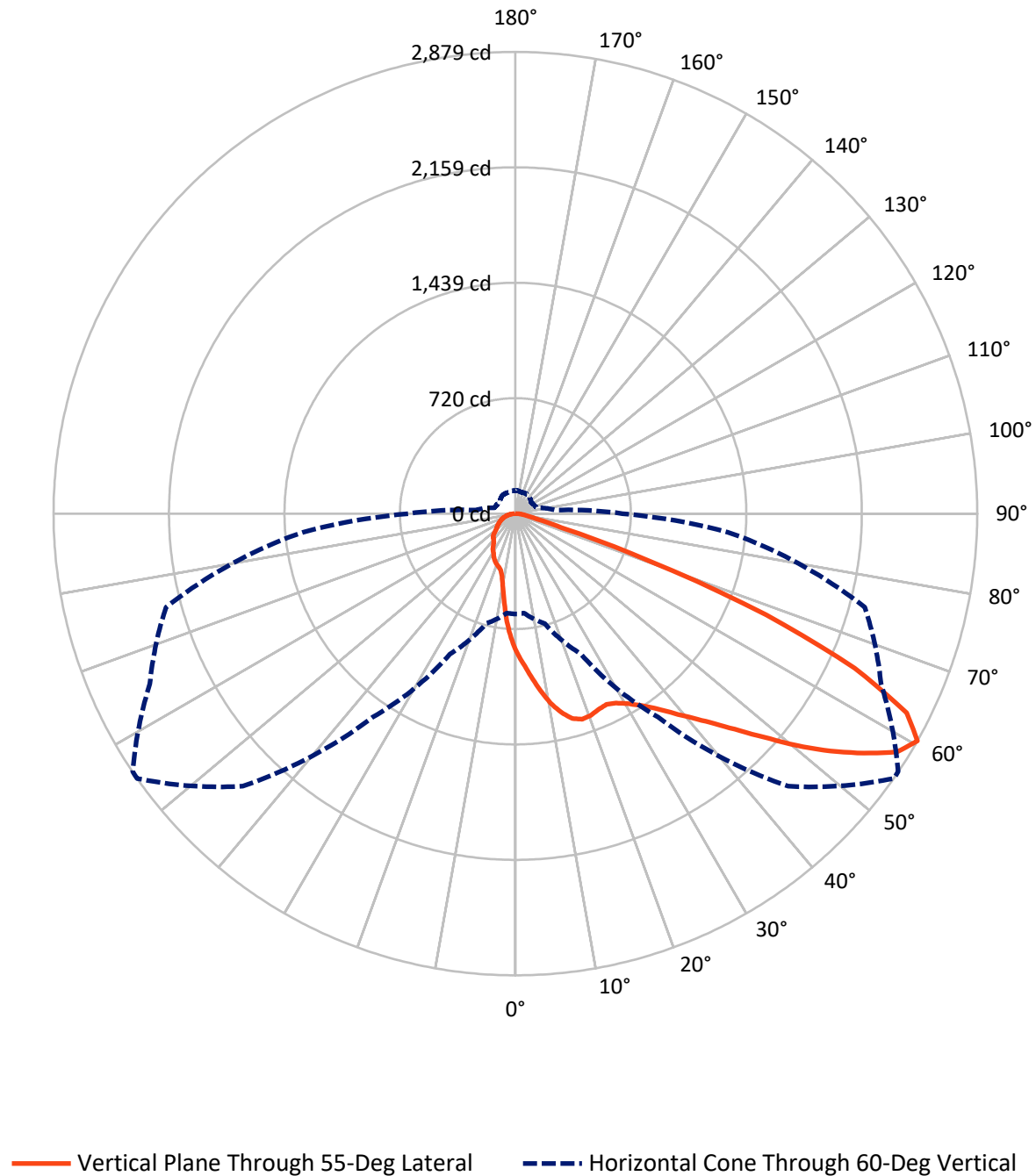
Based on 15 foot mounting height. Maximum calculated value = 5.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	559.2	0.0	559.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3330.9	0.0	3330.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	3890.1	0.0	3890.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	2.1
10°-20°	228.7	5.9
20°-30°	372.4	9.6
30°-40°	556.6	14.3
40°-50°	818.1	21.0
50°-60°	958.9	24.6
60°-70°	632.2	16.3
70°-80°	201.3	5.2
80°-90°	40.9	1.1
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°	3890.1	100.0
0°-180°	3890.1	100.0

Coefficient of Utilization



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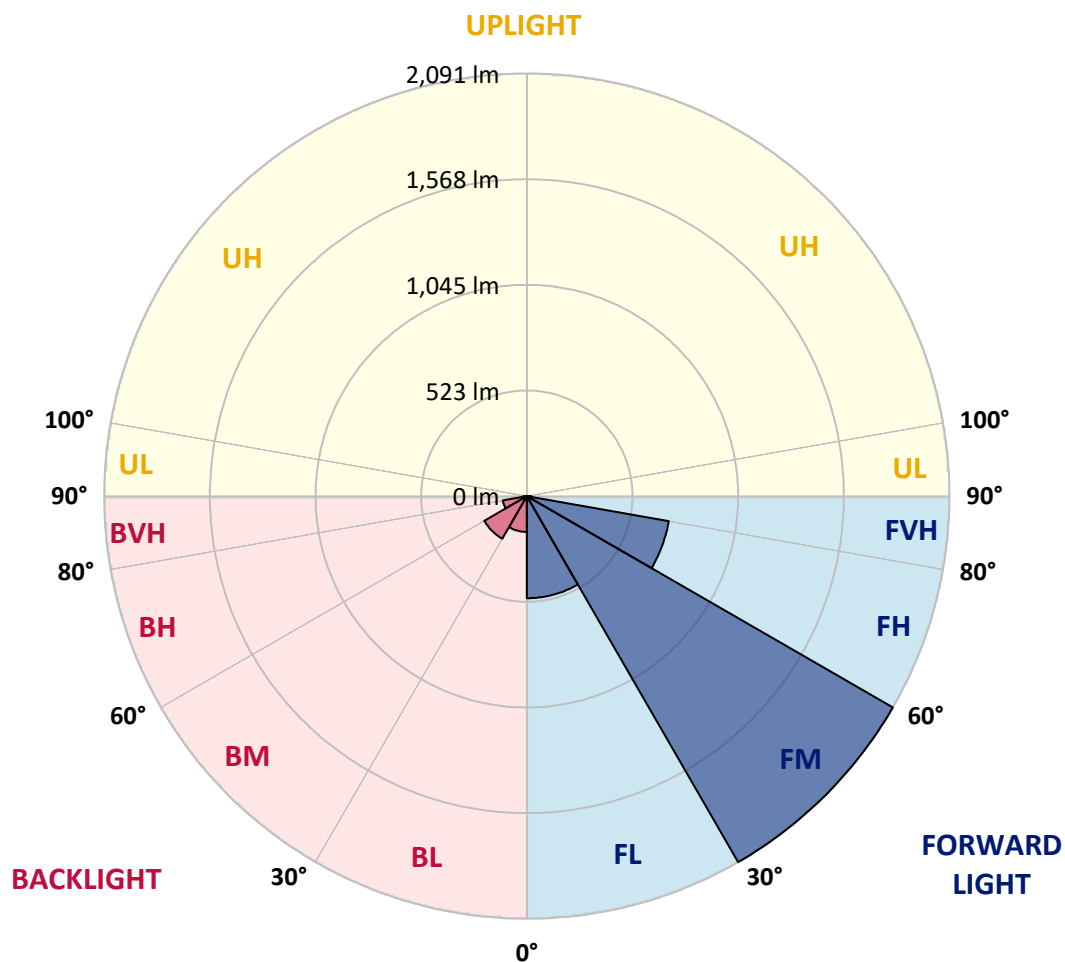
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	504.9	13.0			
FM	(30°-60°)	2090.6	53.7			
FH	(60°-80°)	712.9	18.3			G1/1800
FVH	(80°-90°)	22.5	0.6			G1/100
BL	(0°-30°)	177.0	4.6	B1/500		
BM	(30°-60°)	243.1	6.2	B1/1000		
BH	(60°-80°)	120.7	3.1	B1/500		G1/500
BVH	(80°-90°)	18.5	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7
2.5°	1004.0	1000.3	1000.3	991.0	977.2	958.0	935.2	929.6	920.8	898.5	869.8
5°	1157.1	1153.1	1147.8	1131.4	1105.8	1067.4	1019.2	1010.5	979.2	933.2	881.3
7.5°	1258.3	1256.0	1254.4	1240.3	1214.9	1177.1	1112.5	1102.7	1049.7	973.5	892.3
10°	1247.9	1254.6	1266.5	1276.3	1281.4	1262.0	1201.3	1189.8	1124.1	1020.3	908.7
12.5°	1150.0	1159.6	1181.6	1221.9	1268.5	1305.9	1271.6	1265.1	1203.6	1070.0	929.3
15°	1077.3	1081.2	1092.0	1121.8	1191.2	1291.3	1326.0	1320.0	1277.8	1133.7	953.0
17.5°	1054.7	1056.4	1059.0	1068.8	1116.2	1234.1	1348.2	1353.9	1349.6	1199.9	979.7
20°	1066.0	1067.1	1067.4	1069.1	1091.7	1186.1	1342.3	1351.9	1412.8	1266.2	1006.2
22.5°	1109.4	1108.0	1106.1	1099.6	1112.3	1177.7	1326.5	1341.8	1461.6	1326.5	1030.8
25°	1185.3	1183.3	1169.5	1156.0	1161.3	1208.1	1318.1	1334.4	1499.6	1383.5	1048.8
27.5°	1275.5	1273.5	1259.4	1233.8	1228.1	1258.9	1337.8	1348.0	1527.6	1433.9	1056.7
30°	1369.1	1369.1	1351.6	1322.0	1304.0	1316.9	1374.2	1382.4	1548.7	1482.7	1061.8
32.5°	1471.2	1474.0	1446.9	1413.1	1393.1	1385.5	1425.2	1432.3	1579.4	1540.2	1072.5
35°	1602.3	1596.1	1563.1	1518.5	1486.4	1469.2	1488.4	1496.5	1624.5	1611.9	1089.7
37.5°	1749.7	1738.7	1698.1	1644.8	1588.7	1560.0	1572.7	1574.6	1691.4	1705.2	1121.0
40°	1871.5	1869.5	1835.2	1784.7	1713.9	1675.3	1669.1	1670.2	1784.1	1815.7	1168.4
42.5°	1974.1	1966.8	1960.6	1942.9	1867.9	1804.4	1779.0	1779.3	1884.8	1929.9	1216.0
45°	2019.5	2018.1	2036.5	2082.1	2028.3	1953.6	1917.5	1922.6	2000.1	2047.2	1262.0
47.5°	2000.1	2001.2	2050.3	2170.1	2202.0	2144.7	2080.7	2077.6	2111.7	2137.1	1302.6
50°	1826.4	1844.7	1977.5	2178.3	2315.9	2344.3	2272.2	2260.6	2209.6	2208.7	1327.4
52.5°	1695.3	1694.5	1775.9	2095.1	2356.2	2524.5	2459.6	2433.7	2290.5	2249.0	1329.3
55°	1518.2	1517.1	1577.7	1851.8	2276.1	2650.2	2636.4	2604.0	2364.6	2262.3	1315.8
57.5°	1149.8	1171.2	1231.5	1482.4	2022.4	2630.2	2805.3	2778.2	2437.1	2256.4	1313.3
60°	625.6	623.1	710.5	966.2	1548.4	2403.0	2878.9	2877.5	2514.1	2254.1	1328.8
62.5°	288.4	285.6	303.1	430.2	887.8	1925.1	2736.8	2757.1	2585.4	2233.5	1327.4
65°	215.7	208.4	184.7	200.2	339.7	1149.2	2324.6	2378.7	2475.4	2149.0	1265.9
67.5°	192.3	185.2	157.6	147.7	170.6	405.4	1686.3	1736.2	2070.0	1990.5	1166.4
70°	176.2	170.0	142.4	126.9	128.0	179.6	882.8	980.9	1517.1	1661.2	994.1
72.5°	160.7	155.3	130.3	111.6	107.7	118.7	300.8	362.9	943.7	1210.7	741.2
75°	144.4	139.3	117.3	100.1	92.5	88.0	143.2	154.2	499.0	668.5	397.8
77.5°	125.5	122.6	104.6	88.2	81.8	66.5	95.3	100.1	213.7	262.5	189.5
80°	109.1	106.9	93.3	80.1	73.3	51.3	65.7	69.1	105.4	131.1	106.0
82.5°	71.0	76.7	77.3	68.8	64.6	41.2	43.4	46.0	69.9	77.3	46.2
85°	29.3	35.5	53.3	47.4	44.8	35.0	28.8	29.3	42.9	45.1	16.6
87.5°	13.3	14.7	26.2	26.5	23.1	13.3	14.4	15.8	22.0	21.7	7.3
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°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7
2.5°	861.9	848.9	825.8	796.2	775.1	759.5	742.6	730.2	716.4	704.3	706.3
5°	859.9	834.8	782.9	728.0	674.4	630.4	593.8	566.7	538.8	527.8	526.4
7.5°	861.6	819.0	733.9	644.0	562.5	506.4	463.8	438.1	422.1	412.8	413.3
10°	861.0	804.1	680.9	556.8	467.7	416.4	390.5	382.0	380.6	381.7	383.4
12.5°	861.9	783.8	621.4	478.5	399.8	373.6	374.7	382.3	387.1	390.2	392.2
15°	865.6	767.2	560.5	416.7	364.3	365.1	377.2	389.1	396.1	399.5	401.2
17.5°	870.9	746.3	506.4	369.9	349.3	362.3	378.1	390.8	396.1	398.1	399.5
20°	871.5	722.3	451.7	337.8	339.5	356.4	370.2	380.3	387.1	389.4	390.5
22.5°	868.9	689.9	395.6	314.4	328.2	345.1	356.9	368.5	359.5	352.1	350.2
25°	858.2	649.0	347.6	295.2	314.1	329.9	343.4	330.7	326.5	320.8	321.4
27.5°	835.1	598.0	302.5	277.1	297.4	320.0	310.1	308.4	303.1	297.4	297.4
30°	804.7	544.1	264.7	258.3	277.4	288.7	291.0	288.4	285.3	278.0	278.6
32.5°	777.3	487.2	238.0	242.5	264.7	264.7	274.6	274.6	263.3	242.8	242.8
35°	750.2	433.6	218.2	229.2	243.9	248.7	262.2	244.4	228.4	219.1	218.5
37.5°	729.1	388.0	205.3	217.9	223.6	235.7	236.0	223.0	217.7	209.2	208.4
40°	716.7	349.6	197.4	212.3	212.9	224.1	205.5	209.2	208.1	201.6	200.7
42.5°	709.9	320.0	191.4	207.5	204.7	193.7	190.3	196.5	198.5	195.1	193.7
45°	704.6	296.9	186.6	190.9	198.2	178.2	176.8	181.6	185.8	185.5	184.4
47.5°	701.7	280.8	182.4	180.4	181.9	168.9	166.1	168.3	173.7	177.1	176.8
50°	690.8	268.4	176.2	169.7	160.7	160.7	159.3	159.3	165.8	172.5	173.1
52.5°	671.3	253.7	167.2	159.6	149.1	153.7	154.2	153.1	159.9	167.2	167.8
55°	649.9	242.8	155.1	150.3	139.6	147.2	149.7	148.6	153.1	158.2	157.9
57.5°	650.2	242.5	144.6	141.0	130.5	139.0	145.2	145.5	145.2	148.9	148.9
60°	666.5	248.1	136.5	128.6	120.1	130.3	140.4	140.4	138.4	143.8	144.4
62.5°	671.3	247.5	131.4	116.7	110.8	122.4	133.4	135.0	133.6	141.3	142.1
65°	629.0	234.3	126.3	106.0	102.3	113.6	124.6	129.4	128.0	137.9	139.0
67.5°	570.4	217.1	118.4	96.4	93.6	105.2	115.6	120.7	120.4	133.4	133.9
70°	491.7	195.9	108.5	86.6	85.1	95.3	104.6	110.0	112.5	127.4	127.2
72.5°	380.9	168.0	93.6	76.1	75.8	85.1	93.3	99.2	104.0	118.4	118.4
75°	245.6	132.2	76.4	66.0	64.8	73.6	82.0	88.8	103.5	126.3	126.0
77.5°	150.0	100.9	61.5	55.0	54.7	62.6	71.0	82.6	113.1	112.5	109.4
80°	89.9	72.5	49.1	44.0	44.0	51.3	60.6	88.5	93.9	107.1	101.2
82.5°	46.8	44.5	36.7	32.4	33.8	40.3	55.3	70.8	76.7	65.1	59.8
85°	19.2	23.7	22.6	20.6	21.4	27.9	53.3	56.7	45.4	47.6	47.9
87.5°	6.5	10.4	10.4	8.2	9.0	19.7	31.6	18.9	22.8	13.5	10.1
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)