

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: P671945

Luminaire Tested: **CCP-SA-1B-730-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671945
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3173.6 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

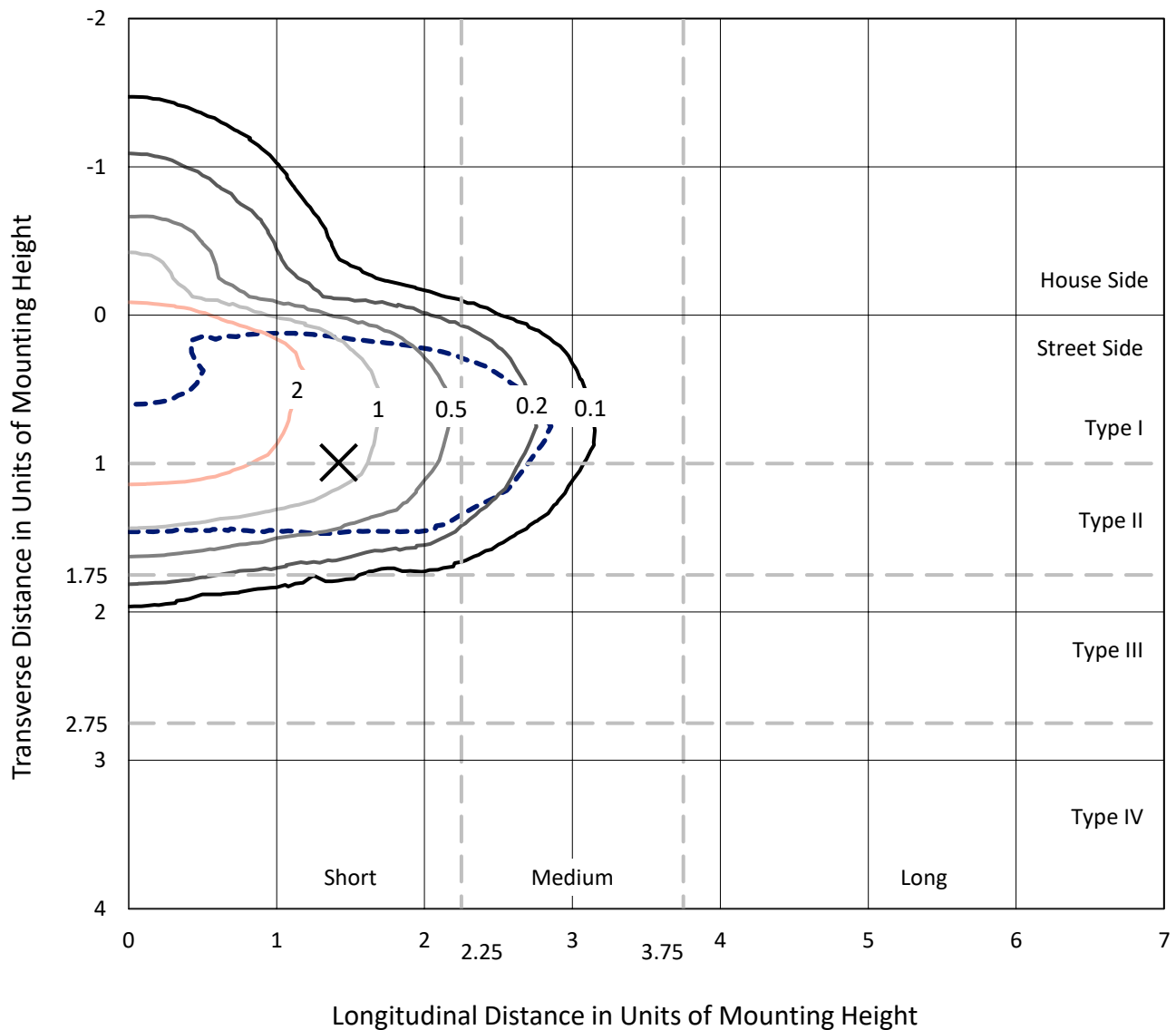
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671945

CATALOG NUMBER: CCP-SA-1B-730-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

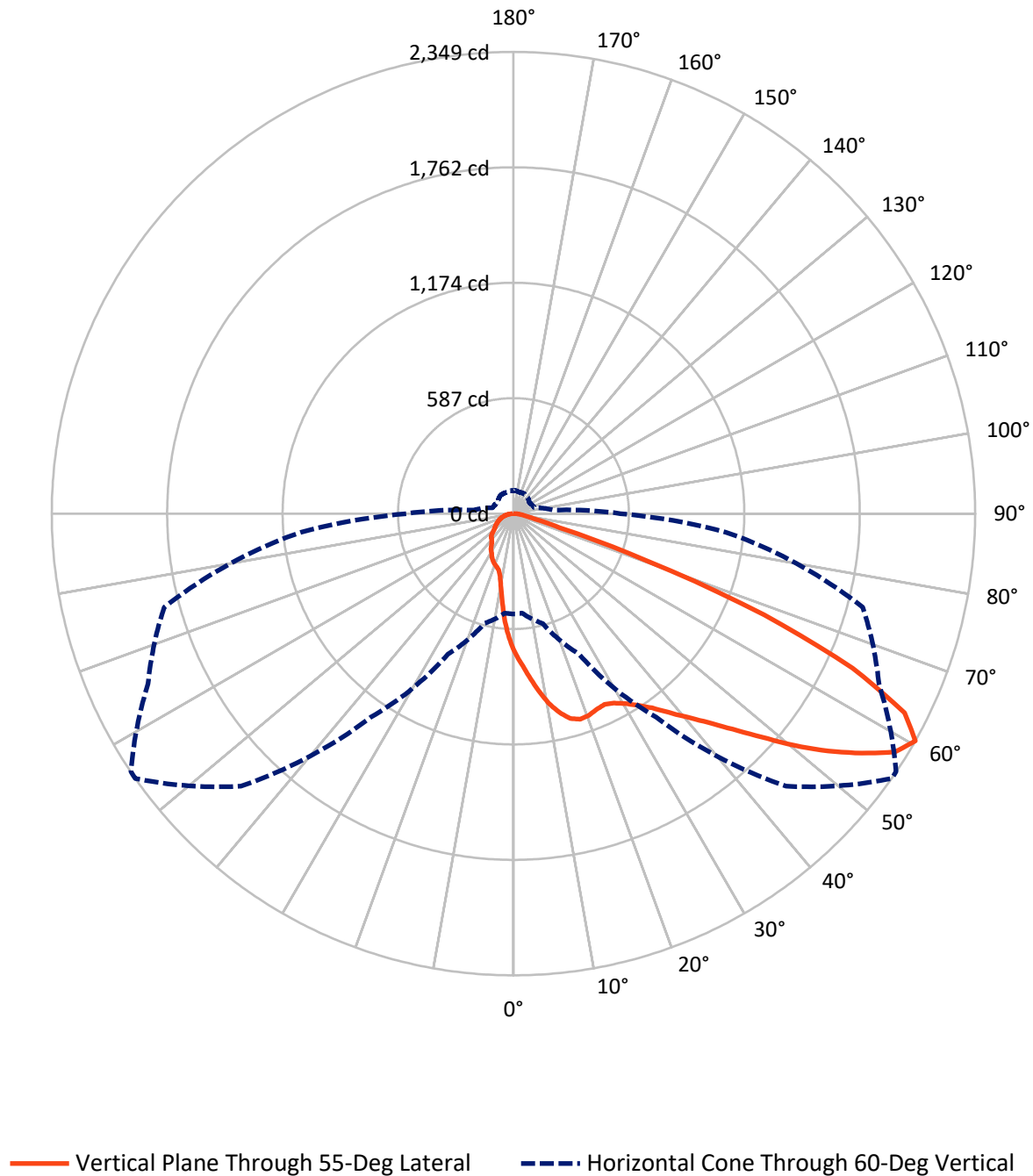
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
Type II - Short - N/A

REPORT NUMBER: P671945
CATALOG NUMBER: CCP-SA-1B-730-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671945

CATALOG NUMBER: CCP-SA-1B-730-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.2	0.0	456.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2717.4	0.0	2717.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	3173.6	0.0	3173.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	2.1
10°-20°	186.6	5.9
20°-30°	303.8	9.6
30°-40°	454.1	14.3
40°-50°	667.5	21.0
50°-60°	782.3	24.6
60°-70°	515.8	16.3
70°-80°	164.2	5.2
80°-90°	33.4	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°	3173.6	100.0
0°-180°	3173.6	100.0



REPORT NUMBER: P671945

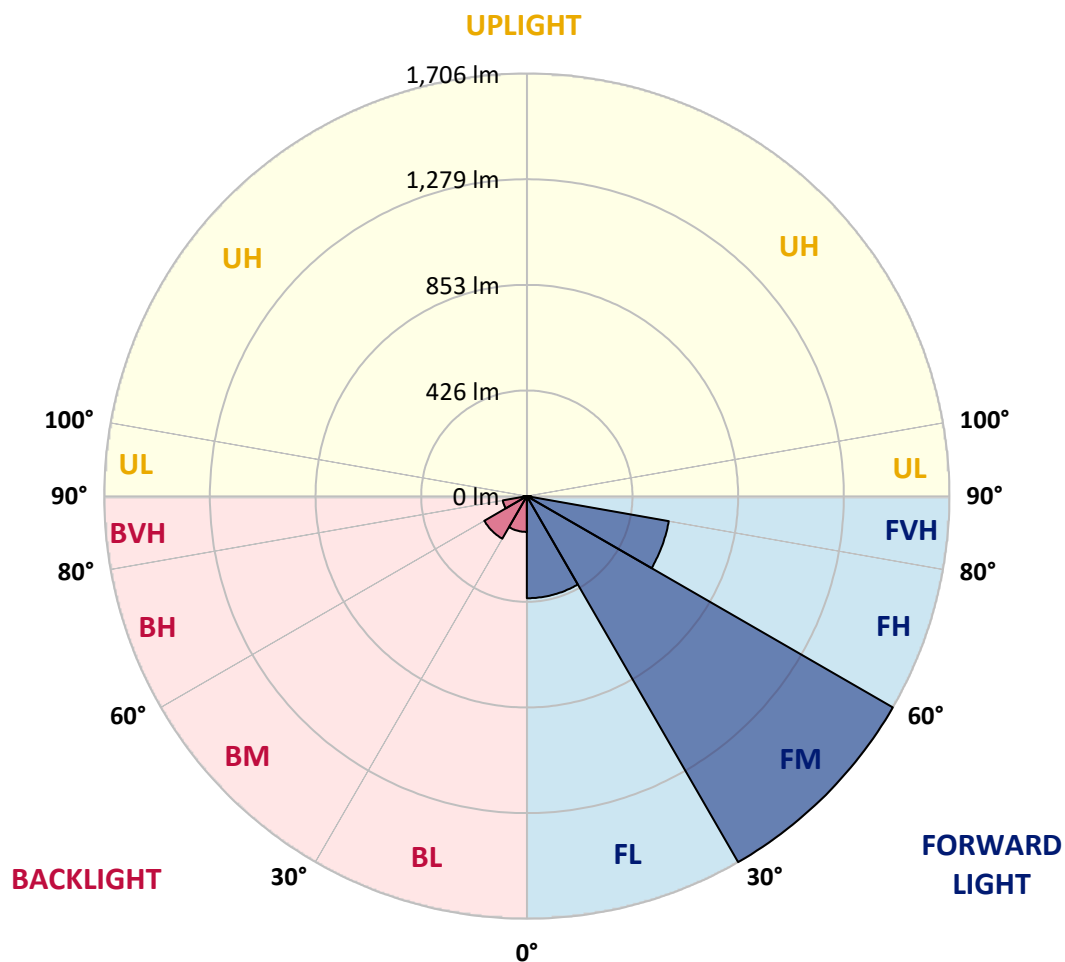
CATALOG NUMBER: CCP-SA-1B-730-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.9	13.0			
FM	(30°-60°)	1705.6	53.7			
FH	(60°-80°)	581.6	18.3			G0/660
FVH	(80°-90°)	18.3	0.6			G1/100
BL	(0°-30°)	144.4	4.6	B1/500		
BM	(30°-60°)	198.3	6.2	B0/220		
BH	(60°-80°)	98.4	3.1	B0/110		G0/110
BVH	(80°-90°)	15.1	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





REPORT NUMBER: P671945

CATALOG NUMBER: CCP-SA-1B-730-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
2.5°	819.1	816.1	816.1	808.5	797.2	781.6	763.0	758.4	751.2	733.1	709.6
5°	944.0	940.8	936.4	923.0	902.1	870.8	831.5	824.4	798.8	761.3	719.0
7.5°	1026.5	1024.7	1023.3	1011.8	991.1	960.3	907.6	899.6	856.3	794.2	728.0
10°	1018.0	1023.6	1033.2	1041.3	1045.4	1029.5	980.1	970.7	917.1	832.4	741.3
12.5°	938.2	946.0	964.0	996.9	1034.8	1065.4	1037.4	1032.1	981.9	872.9	758.1
15°	878.9	882.1	890.8	915.2	971.8	1053.5	1081.8	1076.9	1042.4	924.9	777.4
17.5°	860.5	861.9	863.9	872.0	910.6	1006.8	1099.9	1104.5	1101.1	978.9	799.3
20°	869.7	870.6	870.8	872.2	890.6	967.7	1095.1	1102.9	1152.6	1033.0	820.9
22.5°	905.1	904.0	902.3	897.1	907.4	960.8	1082.2	1094.6	1192.4	1082.2	840.9
25°	967.0	965.4	954.1	943.1	947.4	985.6	1075.3	1088.7	1223.4	1128.7	855.6
27.5°	1040.6	1039.0	1027.5	1006.5	1001.9	1027.0	1091.4	1099.7	1246.2	1169.8	862.1
30°	1116.9	1116.9	1102.7	1078.5	1063.8	1074.4	1121.1	1127.8	1263.5	1209.6	866.2
32.5°	1200.2	1202.5	1180.4	1152.8	1136.5	1130.3	1162.7	1168.5	1288.5	1256.6	875.0
35°	1307.2	1302.1	1275.2	1238.9	1212.6	1198.6	1214.2	1220.9	1325.3	1315.0	889.0
37.5°	1427.5	1418.5	1385.4	1341.9	1296.1	1272.7	1283.0	1284.6	1379.8	1391.1	914.5
40°	1526.8	1525.2	1497.2	1456.0	1398.2	1366.7	1361.7	1362.6	1455.5	1481.3	953.2
42.5°	1610.6	1604.6	1599.5	1585.0	1523.8	1472.1	1451.4	1451.6	1537.6	1574.4	992.0
45°	1647.6	1646.4	1661.4	1698.6	1654.7	1593.8	1564.3	1568.5	1631.7	1670.1	1029.5
47.5°	1631.7	1632.6	1672.7	1770.4	1796.4	1749.7	1697.5	1695.0	1722.8	1743.5	1062.7
50°	1490.0	1505.0	1613.3	1777.1	1889.3	1912.6	1853.7	1844.2	1802.6	1801.9	1082.9
52.5°	1383.1	1382.4	1448.9	1709.2	1922.2	2059.5	2006.6	1985.5	1868.6	1834.8	1084.5
55°	1238.6	1237.7	1287.2	1510.7	1856.9	2162.1	2150.9	2124.4	1929.1	1845.6	1073.5
57.5°	938.0	955.5	1004.7	1209.4	1649.9	2145.8	2288.6	2266.5	1988.2	1840.8	1071.4
60°	510.4	508.3	579.6	788.3	1263.2	1960.4	2348.7	2347.5	2051.0	1839.0	1084.1
62.5°	235.3	233.0	247.3	351.0	724.3	1570.5	2232.7	2249.3	2109.2	1822.2	1082.9
65°	176.0	170.0	150.7	163.3	277.2	937.5	1896.5	1940.6	2019.5	1753.2	1032.8
67.5°	156.9	151.1	128.6	120.5	139.2	330.8	1375.7	1416.4	1688.8	1623.9	951.6
70°	143.8	138.7	116.2	103.5	104.4	146.5	720.2	800.2	1237.7	1355.2	811.0
72.5°	131.1	126.7	106.3	91.1	87.9	96.8	245.4	296.0	769.9	987.7	604.7
75°	117.8	113.6	95.7	81.7	75.4	71.8	116.8	125.8	407.1	545.4	324.5
77.5°	102.4	100.1	85.3	72.0	66.7	54.3	77.7	81.7	174.3	214.1	154.6
80°	89.0	87.2	76.1	65.3	59.8	41.9	53.6	56.4	86.0	107.0	86.5
82.5°	58.0	62.6	63.0	56.1	52.7	33.6	35.4	37.5	57.0	63.0	37.7
85°	23.9	29.0	43.5	38.6	36.6	28.5	23.5	23.9	35.0	36.8	13.6
87.5°	10.8	12.0	21.4	21.6	18.9	10.8	11.7	12.9	17.9	17.7	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P671945

CATALOG NUMBER: CCP-SA-1B-730-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
2.5°	703.1	692.6	673.7	649.6	632.3	619.7	605.9	595.7	584.5	574.6	576.2
5°	701.5	681.1	638.7	593.9	550.2	514.3	484.4	462.3	439.6	430.6	429.4
7.5°	702.9	668.2	598.7	525.3	458.9	413.1	378.4	357.4	344.3	336.7	337.2
10°	702.5	656.0	555.5	454.3	381.6	339.7	318.6	311.7	310.5	311.4	312.8
12.5°	703.1	639.4	506.9	390.3	326.2	304.8	305.7	311.9	315.8	318.3	319.9
15°	706.1	625.9	457.3	340.0	297.2	297.9	307.8	317.4	323.2	325.9	327.3
17.5°	710.5	608.8	413.1	301.8	285.0	295.6	308.4	318.8	323.2	324.8	325.9
20°	711.0	589.3	368.5	275.6	276.9	290.7	302.0	310.3	315.8	317.6	318.6
22.5°	708.9	562.8	322.7	256.5	267.7	281.5	291.2	300.6	293.3	287.3	285.7
25°	700.2	529.5	283.6	240.8	256.2	269.1	280.2	269.8	266.4	261.8	262.2
27.5°	681.3	487.9	246.8	226.1	242.7	261.1	253.0	251.6	247.3	242.7	242.7
30°	656.5	443.9	216.0	210.7	226.3	235.5	237.4	235.3	232.8	226.8	227.3
32.5°	634.1	397.5	194.1	197.8	216.0	216.0	224.0	224.0	214.8	198.0	198.0
35°	612.1	353.8	178.0	187.0	199.0	202.9	213.9	199.4	186.3	178.7	178.3
37.5°	594.8	316.5	167.4	177.8	182.4	192.3	192.5	181.9	177.6	170.7	170.0
40°	584.7	285.2	161.0	173.2	173.7	182.9	167.7	170.7	169.7	164.5	163.8
42.5°	579.2	261.1	156.2	169.3	167.0	158.0	155.3	160.3	161.9	159.2	158.0
45°	574.8	242.2	152.3	155.7	161.7	145.4	144.2	148.1	151.6	151.3	150.4
47.5°	572.5	229.1	148.8	147.2	148.4	137.8	135.5	137.3	141.7	144.4	144.2
50°	563.5	219.0	143.8	138.5	131.1	131.1	130.0	130.0	135.2	140.8	141.2
52.5°	547.7	207.0	136.4	130.2	121.7	125.4	125.8	124.9	130.4	136.4	136.9
55°	530.2	198.0	126.5	122.6	113.9	120.1	122.1	121.2	124.9	129.0	128.8
57.5°	530.4	197.8	118.0	115.0	106.5	113.4	118.5	118.7	118.5	121.4	121.4
60°	543.8	202.4	111.3	104.9	98.0	106.3	114.5	114.5	112.9	117.3	117.8
62.5°	547.7	202.0	107.2	95.2	90.4	99.8	108.8	110.2	109.0	115.2	115.9
65°	513.2	191.1	103.0	86.5	83.5	92.7	101.7	105.6	104.4	112.5	113.4
67.5°	465.3	177.1	96.6	78.7	76.4	85.8	94.3	98.4	98.2	108.8	109.3
70°	401.1	159.9	88.6	70.6	69.5	77.7	85.3	89.7	91.8	104.0	103.7
72.5°	310.7	137.1	76.4	62.1	61.9	69.5	76.1	81.0	84.9	96.6	96.6
75°	200.3	107.9	62.3	53.8	52.9	60.0	66.9	72.5	84.4	103.0	102.8
77.5°	122.4	82.3	50.1	44.9	44.6	51.1	58.0	67.4	92.2	91.8	89.2
80°	73.4	59.1	40.0	35.9	35.9	41.9	49.5	72.2	76.6	87.4	82.6
82.5°	38.2	36.3	29.9	26.5	27.6	32.9	45.1	57.7	62.6	53.1	48.8
85°	15.6	19.3	18.4	16.8	17.5	22.8	43.5	46.2	37.0	38.9	39.1
87.5°	5.3	8.5	8.5	6.7	7.4	16.1	25.8	15.4	18.6	11.0	8.3
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)