

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: P671925

Luminaire Tested: **CCP-SA-1D-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671925
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4145.5 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

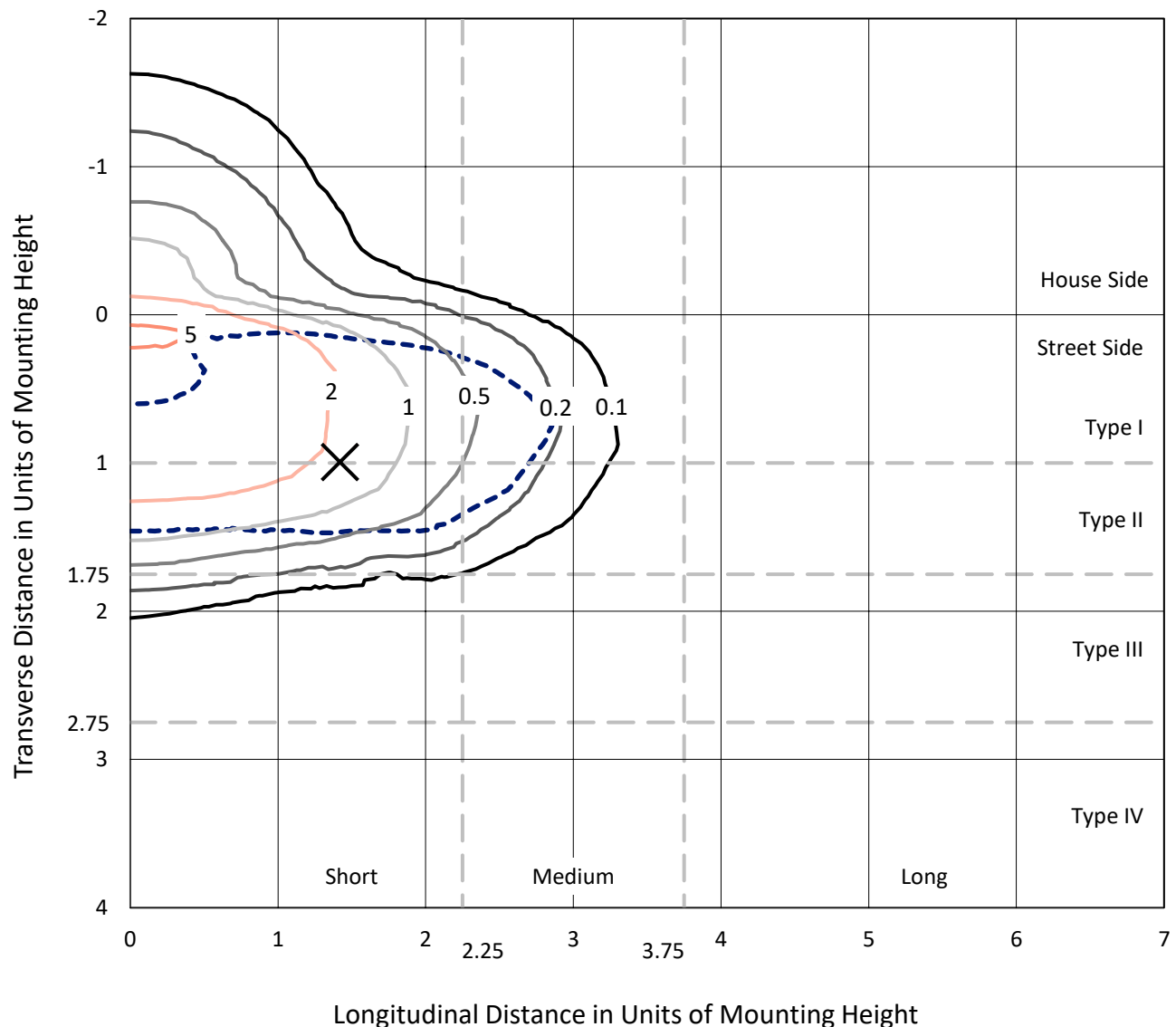
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

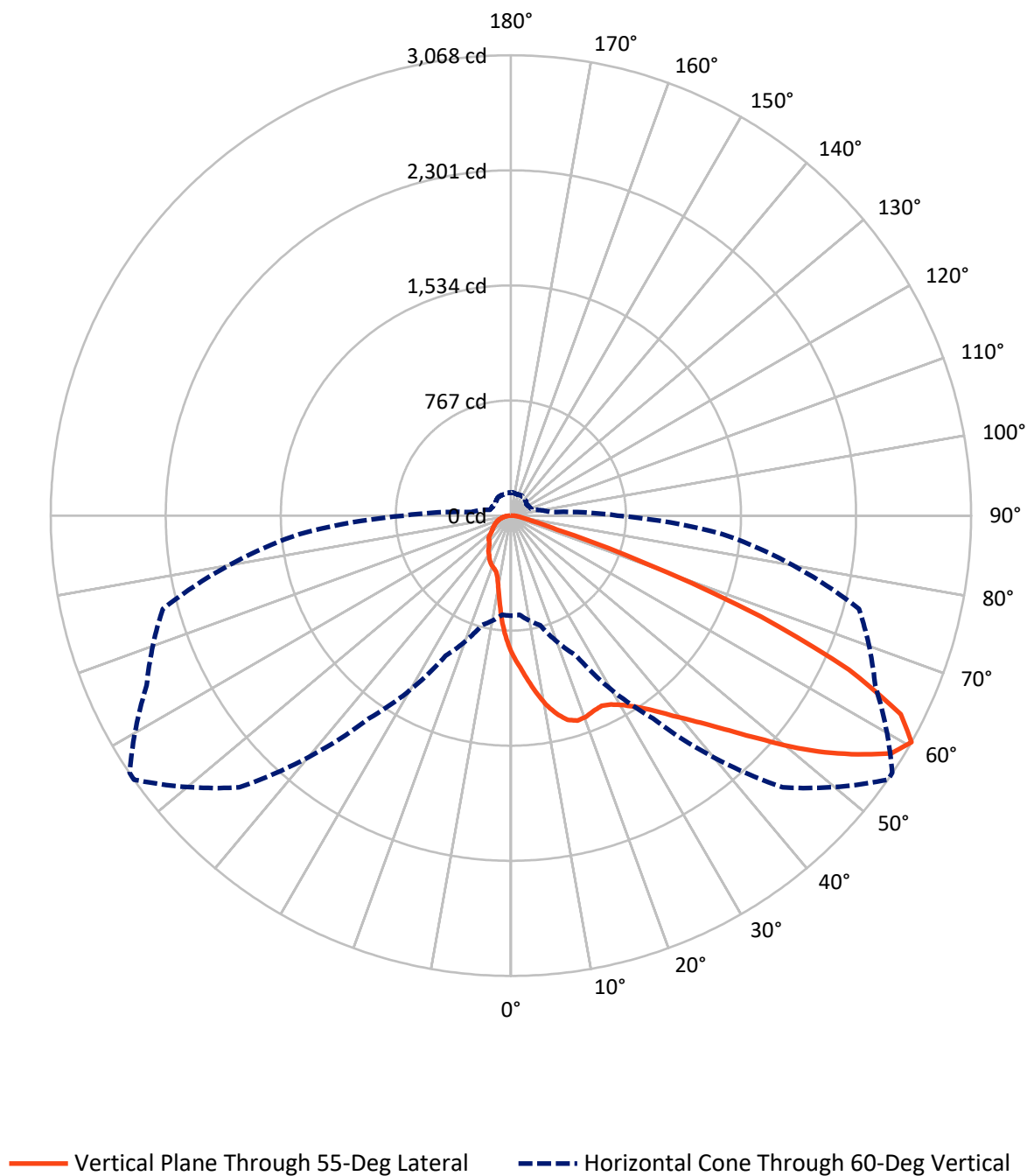


Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.9	0.0	595.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3549.6	0.0	3549.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	4145.5	0.0	4145.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	2.1
10°-20°	243.8	5.9
20°-30°	396.9	9.6
30°-40°	593.2	14.3
40°-50°	871.9	21.0
50°-60°	1021.9	24.6
60°-70°	673.8	16.3
70°-80°	214.5	5.2
80°-90°	43.6	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°	4145.5	100.0
0°-180°	4145.5	100.0



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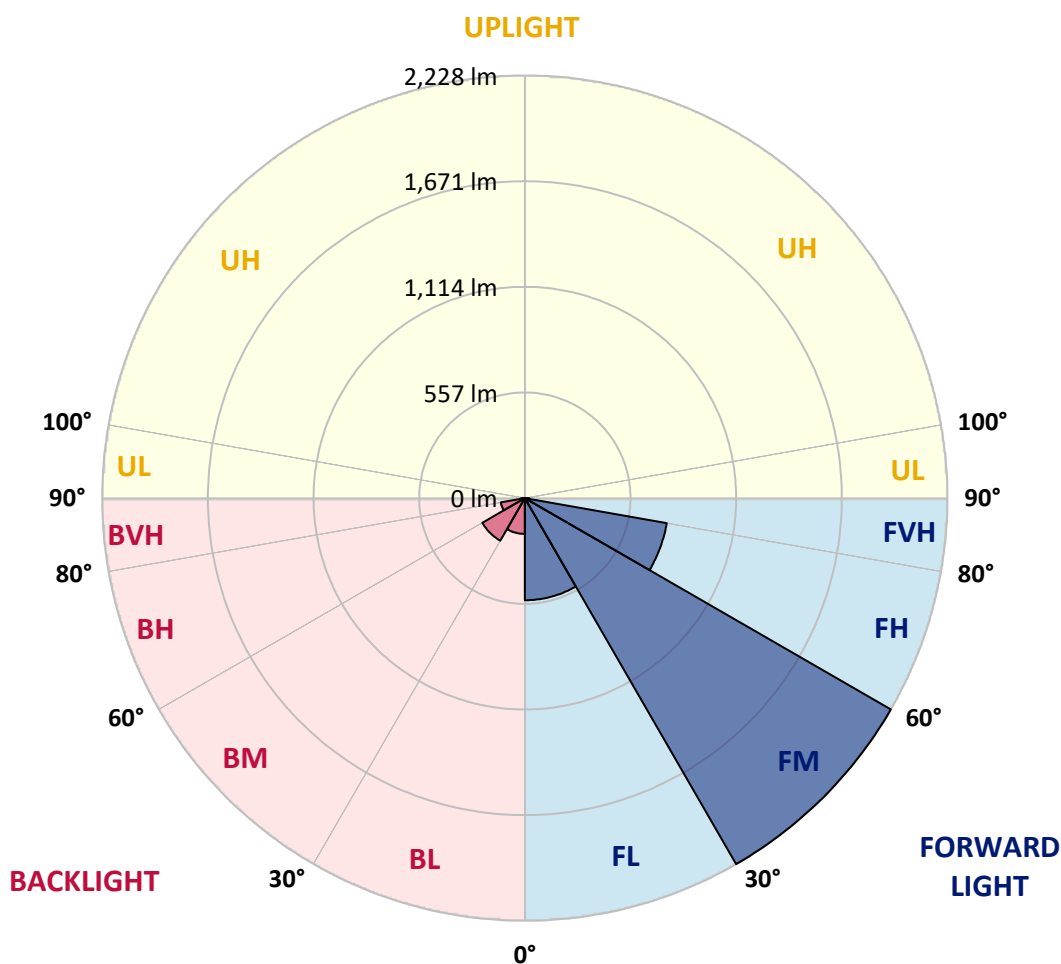
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.0	13.0			
FM	(30°-60°)	2227.9	53.7			
FH	(60°-80°)	759.7	18.3			G1/1800
FVH	(80°-90°)	23.9	0.6			G1/100
BL	(0°-30°)	188.6	4.6	B1/500		
BM	(30°-60°)	259.0	6.2	B1/1000		
BH	(60°-80°)	128.6	3.1	B1/500		G1/500
BVH	(80°-90°)	19.7	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°	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4
2.5°	1069.9	1066.0	1066.0	1056.1	1041.4	1020.9	996.6	990.6	981.3	957.5	926.9
5°	1233.1	1228.9	1223.1	1205.7	1178.4	1137.5	1086.1	1076.8	1043.5	994.5	939.2
7.5°	1340.9	1338.5	1336.7	1321.7	1294.7	1254.4	1185.6	1175.1	1118.6	1037.5	950.9
10°	1329.8	1337.0	1349.6	1360.2	1365.6	1344.8	1280.2	1267.9	1197.9	1087.3	968.4
12.5°	1225.5	1235.8	1259.2	1302.2	1351.7	1391.7	1355.0	1348.1	1282.6	1140.2	990.3
15°	1148.0	1152.2	1163.7	1195.5	1269.4	1376.1	1413.0	1406.7	1361.7	1208.1	1015.5
17.5°	1124.0	1125.8	1128.5	1139.0	1189.5	1315.1	1436.8	1442.8	1438.3	1278.7	1044.1
20°	1136.0	1137.2	1137.5	1139.3	1163.4	1264.0	1430.5	1440.7	1505.6	1349.3	1072.3
22.5°	1182.3	1180.8	1178.7	1171.8	1185.3	1255.0	1413.6	1429.9	1557.5	1413.6	1098.5
25°	1263.1	1261.0	1246.3	1231.9	1237.6	1287.4	1404.6	1422.0	1598.1	1474.3	1117.7
27.5°	1359.2	1357.1	1342.1	1314.8	1308.8	1341.5	1425.6	1436.5	1627.9	1528.1	1126.1
30°	1459.0	1459.0	1440.4	1408.8	1389.6	1403.4	1464.4	1473.1	1650.4	1580.1	1131.5
32.5°	1567.8	1570.8	1541.9	1505.9	1484.5	1476.4	1518.8	1526.3	1683.1	1641.4	1142.9
35°	1707.5	1700.9	1665.7	1618.2	1584.0	1565.7	1586.1	1594.8	1731.2	1717.7	1161.3
37.5°	1864.6	1852.9	1809.6	1752.8	1693.1	1662.4	1675.9	1678.0	1802.4	1817.1	1194.6
40°	1994.4	1992.3	1955.6	1901.9	1826.5	1785.3	1778.7	1779.9	1901.3	1934.9	1245.1
42.5°	2103.8	2096.0	2089.3	2070.4	1990.5	1922.9	1895.9	1896.2	2008.5	2056.6	1295.9
45°	2152.1	2150.6	2170.2	2218.8	2161.5	2081.8	2043.4	2048.8	2131.4	2181.6	1344.8
47.5°	2131.4	2132.6	2184.9	2312.6	2346.5	2285.5	2217.3	2214.0	2250.4	2277.4	1388.1
50°	1946.3	1965.9	2107.4	2321.3	2467.9	2498.3	2421.3	2409.0	2354.6	2353.7	1414.5
52.5°	1806.6	1805.7	1892.6	2232.7	2510.9	2690.3	2621.2	2593.5	2440.9	2396.7	1416.6
55°	1617.9	1616.7	1681.3	1973.4	2425.6	2824.3	2809.5	2775.0	2519.9	2410.8	1402.2
57.5°	1225.2	1248.1	1312.4	1579.8	2155.1	2802.9	2989.5	2960.7	2597.1	2404.5	1399.5
60°	666.7	664.0	757.1	1029.7	1650.1	2560.8	3067.9	3066.4	2679.1	2402.1	1416.0
62.5°	307.4	304.4	323.0	458.5	946.1	2051.5	2916.5	2938.1	2755.2	2380.2	1414.5
65°	229.8	222.0	196.8	213.3	362.0	1224.6	2477.2	2534.9	2638.0	2290.1	1349.0
67.5°	204.9	197.4	168.0	157.4	181.8	432.1	1797.0	1850.2	2205.9	2121.2	1243.0
70°	187.8	181.2	151.7	135.2	136.4	191.4	940.7	1045.3	1616.7	1770.3	1059.4
72.5°	171.3	165.5	138.8	119.0	114.8	126.5	320.6	386.7	1005.6	1290.1	789.9
75°	153.8	148.4	125.0	106.7	98.5	93.7	152.6	164.3	531.8	712.4	423.9
77.5°	133.7	130.7	111.5	94.0	87.1	70.9	101.6	106.7	227.7	279.7	201.9
80°	116.3	113.9	99.4	85.3	78.1	54.7	70.0	73.6	112.4	139.7	113.0
82.5°	75.7	81.7	82.3	73.3	68.8	43.9	46.3	49.0	74.5	82.3	49.3
85°	31.2	37.9	56.8	50.5	47.8	37.3	30.6	31.2	45.7	48.1	17.7
87.5°	14.1	15.6	27.9	28.2	24.6	14.1	15.3	16.8	23.4	23.1	7.8
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°	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4	919.4
2.5°	918.5	904.7	880.0	848.5	825.9	809.4	791.4	778.2	763.5	750.5	752.6
5°	916.4	889.6	834.4	775.8	718.7	671.8	632.8	603.9	574.2	562.4	560.9
7.5°	918.2	872.8	782.1	686.2	599.4	539.6	494.2	466.9	449.8	439.9	440.5
10°	917.6	856.9	725.6	593.4	498.5	443.8	416.1	407.1	405.6	406.8	408.6
12.5°	918.5	835.3	662.2	509.9	426.0	398.1	399.3	407.4	412.5	415.8	417.9
15°	922.4	817.5	597.3	444.1	388.2	389.1	402.0	414.6	422.1	425.7	427.5
17.5°	928.1	795.3	539.6	394.2	372.3	386.1	402.9	416.4	422.1	424.2	425.7
20°	928.7	769.8	481.3	359.9	361.7	379.8	394.5	405.3	412.5	414.9	416.1
22.5°	926.0	735.2	421.5	335.0	349.7	367.8	380.4	392.7	383.1	375.3	373.2
25°	914.6	691.6	370.5	314.6	334.7	351.5	366.0	352.4	347.9	341.9	342.5
27.5°	889.9	637.3	322.4	295.3	317.0	341.0	330.5	328.7	323.0	317.0	317.0
30°	857.5	579.9	282.1	275.2	295.6	307.7	310.1	307.4	304.1	296.2	296.8
32.5°	828.3	519.2	253.6	258.4	282.1	282.1	292.6	292.6	280.6	258.7	258.7
35°	799.5	462.1	232.6	244.3	259.9	265.0	279.4	260.5	243.4	233.5	232.9
37.5°	777.0	413.4	218.7	232.3	238.3	251.2	251.5	237.7	231.9	222.9	222.0
40°	763.8	372.6	210.3	226.2	226.8	238.9	219.0	222.9	221.7	214.8	213.9
42.5°	756.5	341.0	204.0	221.1	218.1	206.4	202.8	209.4	211.5	207.9	206.4
45°	750.8	316.4	198.9	203.4	211.2	189.9	188.4	193.5	198.0	197.7	196.5
47.5°	747.8	299.3	194.4	192.3	193.8	180.0	177.0	179.4	185.1	188.7	188.4
50°	736.1	286.0	187.8	180.9	171.3	171.3	169.8	169.8	176.7	183.9	184.5
52.5°	715.4	270.4	178.2	170.1	158.9	163.7	164.3	163.1	170.4	178.2	178.8
55°	692.5	258.7	165.2	160.1	148.7	156.8	159.5	158.3	163.1	168.6	168.3
57.5°	692.8	258.4	154.1	150.2	139.1	148.1	154.7	155.0	154.7	158.6	158.6
60°	710.3	264.4	145.4	137.0	128.0	138.8	149.6	149.6	147.5	153.2	153.8
62.5°	715.4	263.8	140.0	124.4	118.1	130.4	142.1	143.9	142.4	150.5	151.4
65°	670.3	249.7	134.6	113.0	109.1	121.1	132.8	137.9	136.4	146.9	148.1
67.5°	607.8	231.3	126.2	102.8	99.8	112.1	123.2	128.6	128.3	142.1	142.7
70°	524.0	208.8	115.7	92.2	90.7	101.6	111.5	117.2	119.9	135.8	135.5
72.5°	405.9	179.1	99.8	81.1	80.8	90.7	99.4	105.8	110.9	126.2	126.2
75°	261.7	140.9	81.4	70.3	69.1	78.4	87.4	94.6	110.3	134.6	134.3
77.5°	159.8	107.6	65.5	58.6	58.3	66.7	75.7	88.0	120.5	119.9	116.6
80°	95.8	77.2	52.3	46.9	46.9	54.7	64.6	94.3	100.1	114.2	107.9
82.5°	49.9	47.5	39.1	34.6	36.1	43.0	58.9	75.4	81.7	69.4	63.7
85°	20.4	25.2	24.0	21.9	22.8	29.7	56.8	60.4	48.4	50.8	51.1
87.5°	6.9	11.1	11.1	8.7	9.6	21.0	33.7	20.1	24.3	14.4	10.8
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)