

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: P671248

Luminaire Tested: **CCP-SA-1C-740-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671248
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4474.7 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

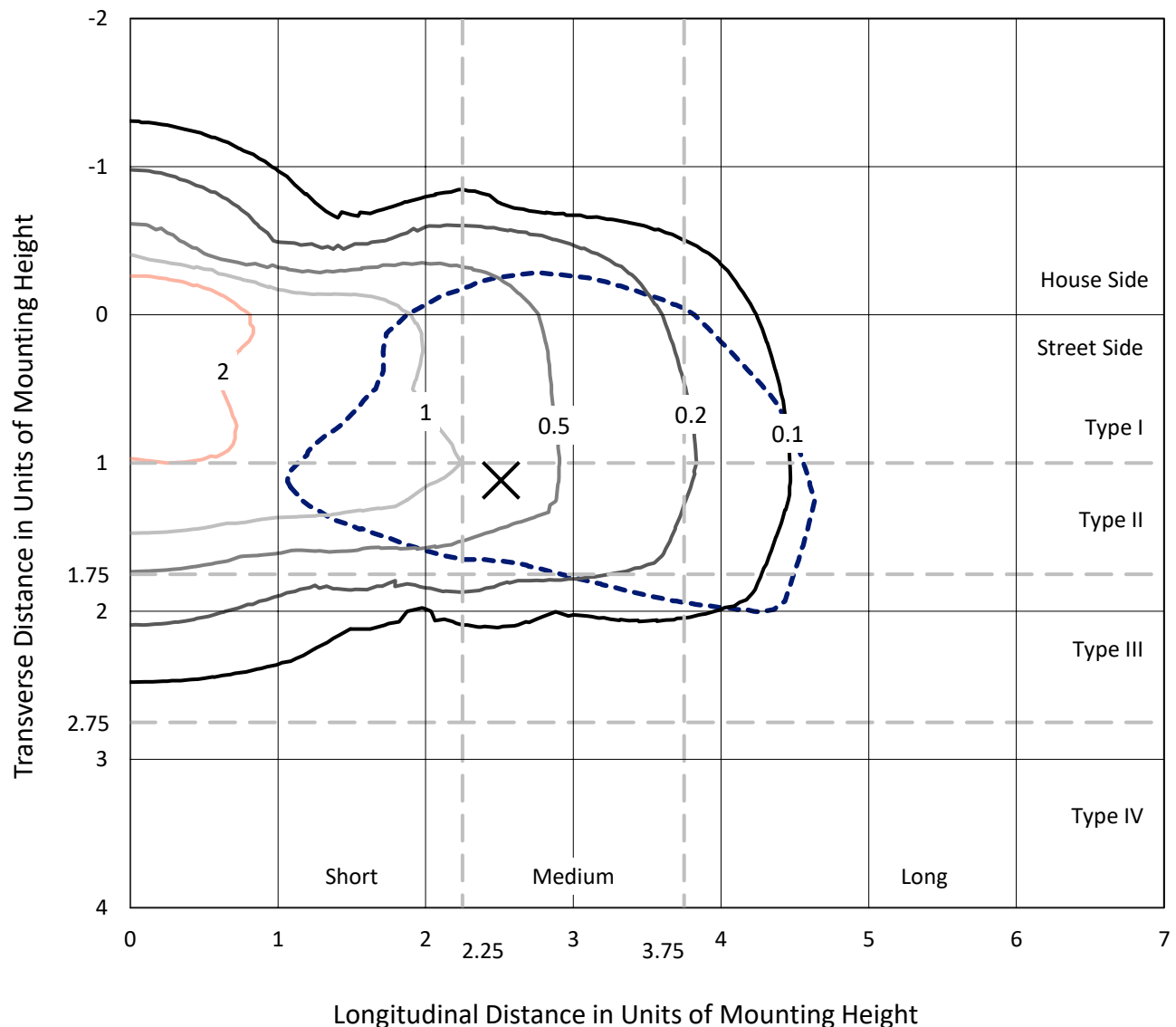
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

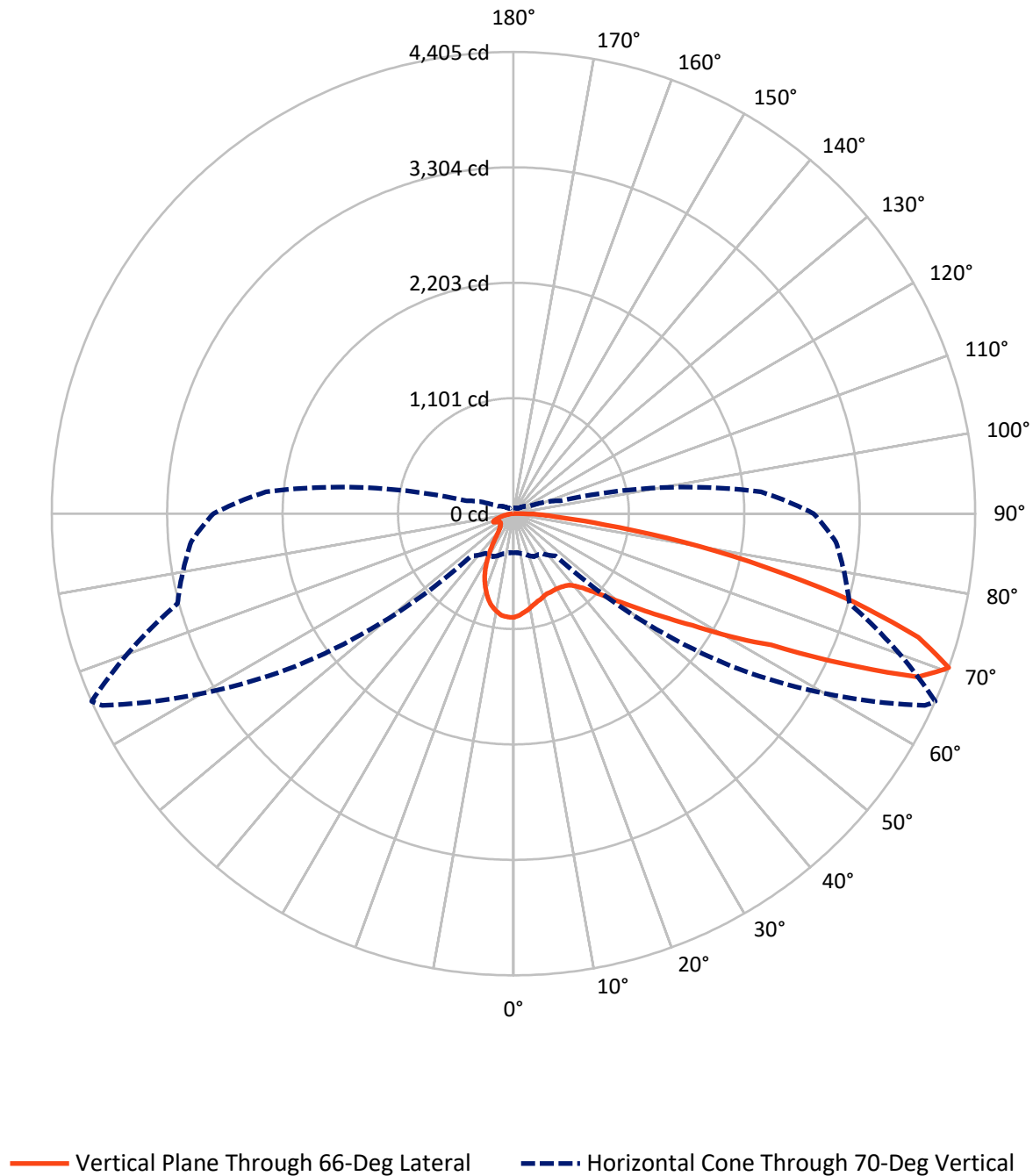
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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	915.9	0.0	915.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3558.8	0.0	3558.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	4474.7	0.0	4474.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	2.0
10°-20°	215.2	4.8
20°-30°	295.5	6.6
30°-40°	396.2	8.9
40°-50°	574.9	12.8
50°-60°	873.9	19.5
60°-70°	1079.3	24.1
70°-80°	802.6	17.9
80°-90°	149.7	3.3
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°	4474.7	100.0
0°-180°	4474.7	100.0

Coefficient of Utilization



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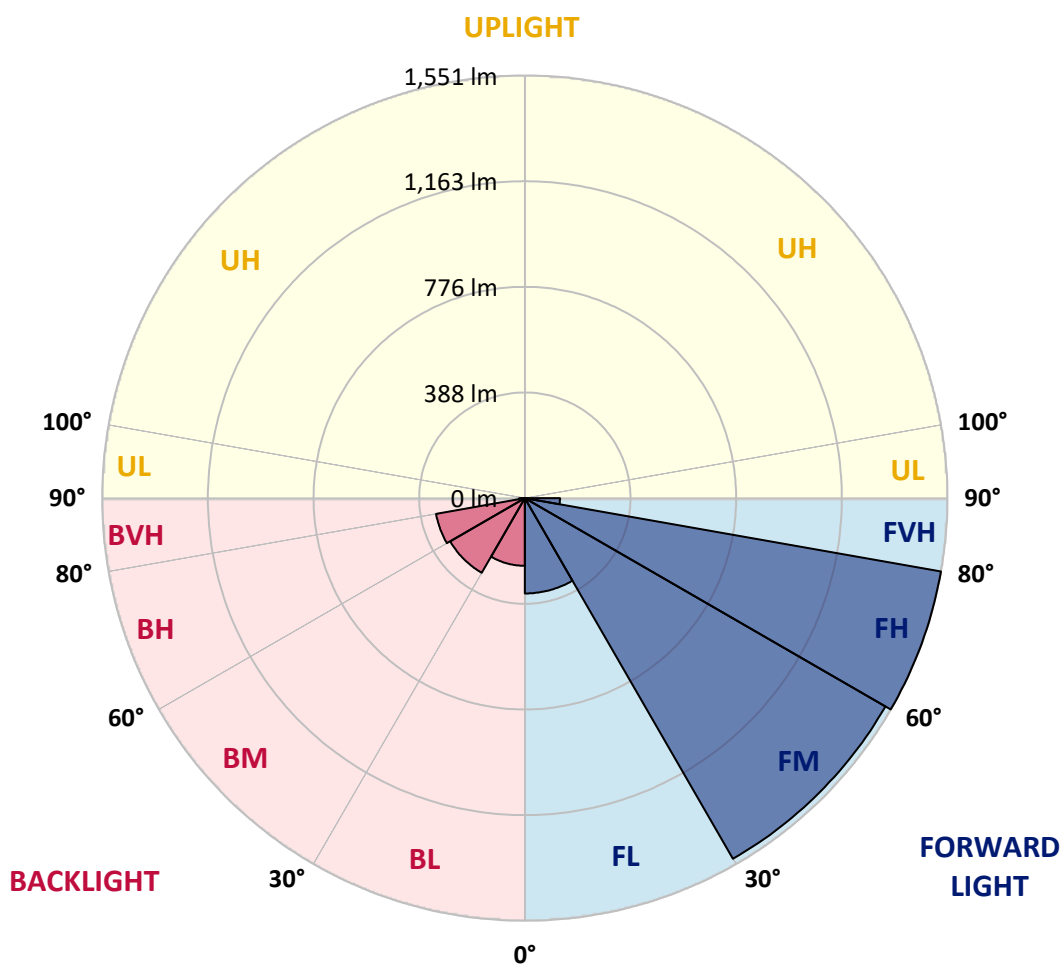
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.9	7.8			
FM	(30°-60°)	1528.6	34.2			
FH	(60°-80°)	1551.2	34.7			G1/1800
FVH	(80°-90°)	129.0	2.9			G2/225
BL	(0°-30°)	248.2	5.5	B1/500		
BM	(30°-60°)	316.4	7.1	B1/1000		
BH	(60°-80°)	330.6	7.4	B1/500		G1/500
BVH	(80°-90°)	20.7	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6
2.5°	940.3	945.3	947.0	950.3	958.6	965.3	975.3	980.3	975.3	981.9	981.9
5°	875.4	868.8	885.4	892.1	902.0	915.4	938.7	957.0	952.0	971.9	988.6
7.5°	820.5	820.5	825.5	840.5	852.1	872.1	897.1	925.3	933.7	960.3	985.3
10°	770.6	777.2	777.2	800.5	807.2	830.5	872.1	907.0	908.7	953.6	988.6
12.5°	743.9	740.6	757.3	763.9	783.9	807.2	840.5	883.7	885.4	933.7	981.9
15°	722.3	725.6	734.0	750.6	768.9	787.2	818.8	858.8	867.1	923.7	978.6
17.5°	724.0	725.6	725.6	737.3	752.3	773.9	803.9	850.5	855.4	910.4	973.6
20°	734.0	727.3	732.3	737.3	747.3	767.2	792.2	832.1	837.1	908.7	985.3
22.5°	755.6	750.6	748.9	747.3	745.6	757.3	788.9	822.2	827.2	900.4	990.3
25°	790.5	788.9	777.2	765.6	757.3	757.3	782.2	830.5	828.8	900.4	993.6
27.5°	832.1	832.1	830.5	808.8	783.9	770.6	787.2	827.2	825.5	900.4	1001.9
30°	888.7	888.7	883.7	863.8	818.8	780.6	790.5	823.8	828.8	893.7	995.2
32.5°	950.3	948.6	953.6	935.3	888.7	827.2	810.5	830.5	835.5	900.4	996.9
35°	995.2	1005.2	1021.9	1005.2	958.6	875.4	838.8	843.8	847.1	902.0	1003.6
37.5°	1046.8	1058.5	1081.8	1095.1	1045.2	948.6	883.7	865.4	865.4	923.7	1005.2
40°	1121.7	1110.1	1150.0	1173.3	1153.4	1038.5	953.6	905.4	907.0	952.0	1026.9
42.5°	1176.7	1188.3	1229.9	1271.5	1246.6	1148.4	1030.2	970.3	970.3	993.6	1060.2
45°	1238.2	1251.5	1309.8	1359.7	1378.0	1279.8	1135.0	1063.5	1060.2	1075.1	1120.1
47.5°	1306.5	1324.8	1391.3	1449.6	1497.9	1416.3	1269.9	1176.7	1175.0	1186.6	1219.9
50°	1384.7	1391.3	1446.3	1552.8	1649.3	1597.7	1434.6	1336.4	1328.1	1333.1	1378.0
52.5°	1408.0	1403.0	1466.2	1581.1	1757.5	1819.1	1659.3	1517.8	1514.5	1502.9	1561.1
55°	1323.1	1339.8	1401.3	1547.8	1845.7	2080.4	1905.6	1765.8	1735.9	1704.2	1774.1
57.5°	1153.4	1155.0	1224.9	1398.0	1777.5	2296.7	2323.3	2008.8	2010.5	1925.6	2005.5
60°	897.1	892.1	947.0	1103.4	1582.7	2363.3	2779.4	2396.6	2379.9	2146.9	2220.2
62.5°	647.4	637.4	649.1	740.6	1183.3	2261.8	3227.1	2831.0	2761.1	2373.3	2429.9
65°	532.6	537.6	542.6	547.6	664.1	1865.7	3365.2	3539.9	3446.7	2637.9	2661.2
67.5°	441.0	444.4	466.0	496.0	492.6	1101.8	3205.4	4195.7	4160.7	2965.8	2860.9
70°	374.5	372.8	397.8	452.7	461.0	572.5	2538.0	4330.5	4405.4	3318.6	3087.3
72.5°	299.6	302.9	324.5	397.8	452.7	482.6	1461.2	4040.9	4039.2	3589.9	2965.8
75°	214.7	214.7	244.7	329.5	437.7	477.7	808.8	3280.3	3341.9	3373.5	2573.0
77.5°	141.5	148.1	171.4	246.3	411.1	467.7	512.6	2384.9	2461.5	2523.1	1968.9
80°	96.5	99.9	114.8	171.4	347.8	471.0	419.4	1604.4	1634.3	1393.0	798.9
82.5°	58.3	59.9	76.6	119.8	249.6	447.7	394.4	885.4	867.1	421.1	229.7
85°	31.6	33.3	48.3	79.9	164.8	391.1	387.8	434.4	404.4	154.8	96.5
87.5°	11.7	11.7	21.6	39.9	94.9	268.0	337.9	258.0	241.3	78.2	44.9
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°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6
2.5°	990.3	990.3	990.3	990.3	988.6	981.9	986.9	985.3	975.3	976.9	970.3
5°	986.9	995.2	990.3	983.6	975.3	955.3	948.6	943.7	930.3	925.3	930.3
7.5°	995.2	988.6	985.3	973.6	940.3	922.0	898.7	870.4	850.5	845.5	850.5
10°	993.6	993.6	978.6	945.3	913.7	860.4	830.5	780.6	752.3	743.9	745.6
12.5°	986.9	991.9	968.6	915.4	855.4	790.5	735.6	682.4	632.4	612.5	609.1
15°	993.6	988.6	947.0	878.7	795.5	705.7	625.8	547.6	501.0	471.0	464.3
17.5°	983.6	978.6	918.7	828.8	717.3	602.5	502.6	417.7	371.1	359.5	359.5
20°	995.2	963.6	885.4	768.9	635.8	489.3	376.1	312.9	301.2	301.2	304.6
22.5°	993.6	960.3	857.1	710.7	537.6	369.5	279.6	261.3	263.0	276.3	274.6
25°	983.6	953.6	817.2	645.7	434.4	277.9	231.3	226.3	238.0	253.0	251.3
27.5°	981.9	935.3	780.6	569.2	331.2	219.7	201.4	201.4	213.0	226.3	224.7
30°	971.9	920.4	735.6	482.6	249.6	191.4	184.7	184.7	189.7	196.4	196.4
32.5°	970.3	900.4	685.7	392.8	199.7	173.1	169.8	171.4	171.4	174.8	173.1
35°	957.0	873.8	634.1	304.6	173.1	163.1	159.8	158.1	158.1	156.4	156.4
37.5°	952.0	857.1	580.8	236.3	161.4	154.8	151.5	146.5	144.8	144.8	143.1
40°	957.0	840.5	529.2	191.4	151.5	148.1	143.1	136.5	134.8	134.8	134.8
42.5°	975.3	838.8	476.0	166.4	146.5	141.5	134.8	128.2	126.5	128.2	126.5
45°	1016.9	852.1	424.4	154.8	139.8	134.8	126.5	121.5	119.8	121.5	121.5
47.5°	1085.1	888.7	377.8	148.1	134.8	128.2	119.8	114.8	114.8	114.8	114.8
50°	1198.3	958.6	332.9	143.1	131.5	123.2	114.8	108.2	106.5	106.5	108.2
52.5°	1368.0	1078.5	296.2	139.8	126.5	116.5	108.2	103.2	99.9	98.2	99.9
55°	1572.8	1253.2	284.6	136.5	119.8	111.5	103.2	96.5	93.2	93.2	91.5
57.5°	1792.4	1446.3	304.6	133.1	114.8	104.9	96.5	89.9	86.5	84.9	84.9
60°	2030.4	1674.3	377.8	131.5	109.8	98.2	89.9	84.9	79.9	78.2	78.2
62.5°	2246.8	1880.6	509.3	129.8	106.5	91.5	83.2	76.6	73.2	71.6	71.6
65°	2493.1	2110.3	637.4	136.5	104.9	86.5	76.6	69.9	66.6	64.9	64.9
67.5°	2707.8	2310.0	712.3	153.1	109.8	79.9	68.2	63.2	61.6	59.9	59.9
70°	2864.2	2371.6	477.7	168.1	118.2	74.9	61.6	58.3	54.9	54.9	54.9
72.5°	2654.5	2117.0	282.9	158.1	111.5	69.9	54.9	51.6	49.9	49.9	48.3
75°	2270.1	1802.4	218.0	128.2	89.9	59.9	48.3	44.9	43.3	43.3	41.6
77.5°	1675.9	1291.5	161.4	101.5	69.9	48.3	41.6	39.9	38.3	36.6	36.6
80°	655.7	565.9	109.8	74.9	51.6	38.3	35.0	33.3	31.6	30.0	30.0
82.5°	203.0	171.4	63.2	49.9	36.6	30.0	28.3	26.6	25.0	23.3	23.3
85°	88.2	84.9	41.6	31.6	25.0	20.0	20.0	18.3	16.6	15.0	15.0
87.5°	43.3	41.6	23.3	15.0	13.3	10.0	10.0	8.3	6.7	6.7	6.7
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)