

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: P671325

Luminaire Tested: **CCP-SA-1C-850-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671325
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-850-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3904.6 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

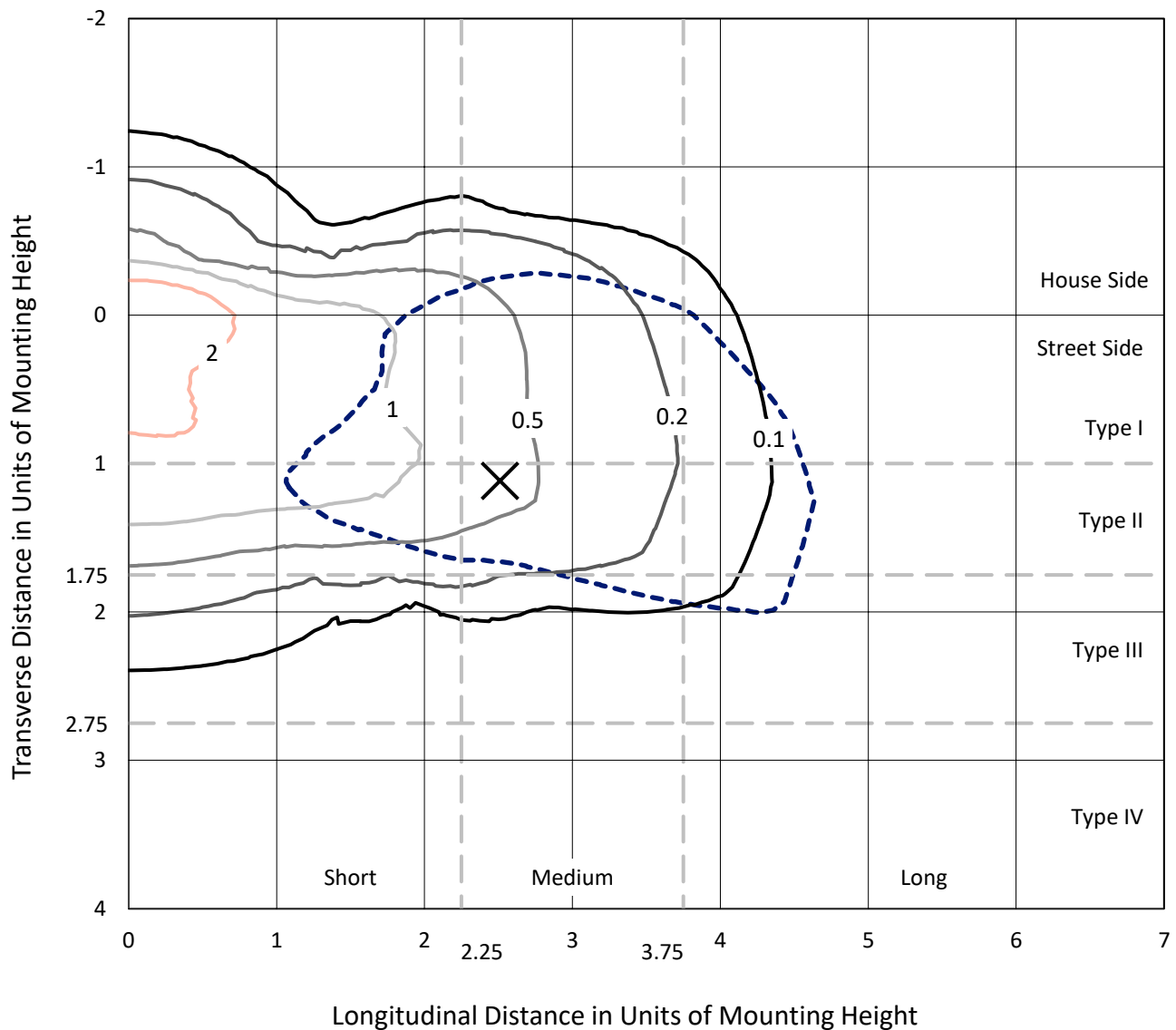
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

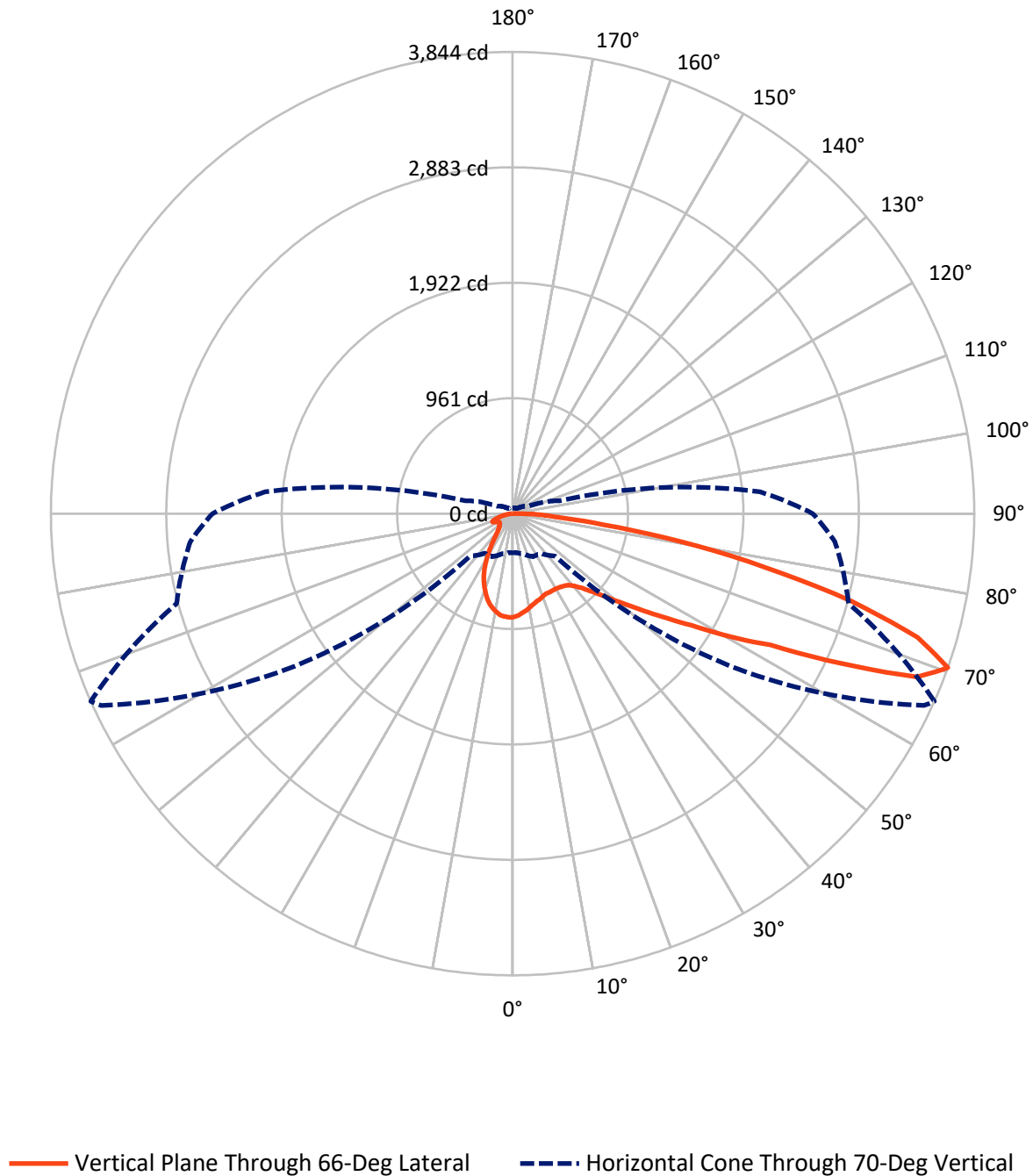
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	799.2	0.0	799.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3105.4	0.0	3105.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	3904.6	0.0	3904.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	2.0
10°-20°	187.8	4.8
20°-30°	257.9	6.6
30°-40°	345.8	8.9
40°-50°	501.7	12.8
50°-60°	762.5	19.5
60°-70°	941.8	24.1
70°-80°	700.3	17.9
80°-90°	130.6	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°	3904.6	100.0
0°-180°	3904.6	100.0

Coefficient of Utilization



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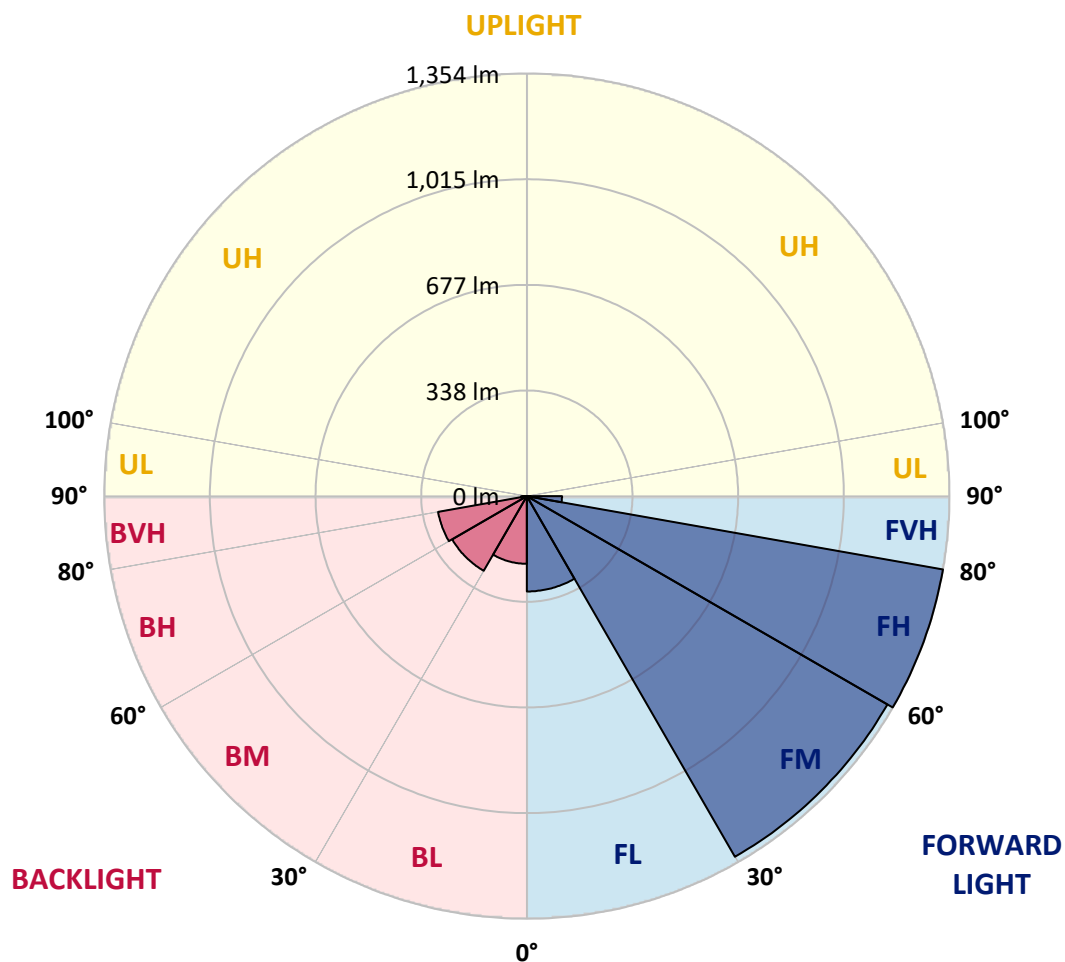
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.3	7.8			
FM	(30°-60°)	1333.9	34.2			
FH	(60°-80°)	1353.6	34.7			G1/1800
FVH	(80°-90°)	112.6	2.9			G2/225
BL	(0°-30°)	216.6	5.5	B1/500		
BM	(30°-60°)	276.1	7.1	B1/1000		
BH	(60°-80°)	288.5	7.4	B1/500		G1/500
BVH	(80°-90°)	18.0	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°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	820.5	824.9	826.3	829.2	836.5	842.3	851.0	855.4	851.0	856.8	856.8
5°	763.9	758.1	772.6	778.4	787.1	798.7	819.1	835.0	830.7	848.1	862.6
7.5°	716.0	716.0	720.3	733.4	743.6	761.0	782.8	807.5	814.7	838.0	859.7
10°	672.4	678.2	678.2	698.5	704.3	724.7	761.0	791.5	792.9	832.1	862.6
12.5°	649.2	646.3	660.8	666.6	684.0	704.3	733.4	771.1	772.6	814.7	856.8
15°	630.3	633.2	640.4	655.0	670.9	686.9	714.5	749.4	756.6	806.0	853.9
17.5°	631.7	633.2	633.2	643.4	656.4	675.3	701.4	742.1	746.5	794.4	849.6
20°	640.4	634.6	639.0	643.4	652.1	669.5	691.3	726.1	730.5	792.9	859.7
22.5°	659.3	655.0	653.5	652.1	650.6	660.8	688.4	717.4	721.8	785.7	864.1
25°	689.8	688.4	678.2	668.0	660.8	660.8	682.6	724.7	723.2	785.7	867.0
27.5°	726.1	726.1	724.7	705.8	684.0	672.4	686.9	721.8	720.3	785.7	874.3
30°	775.5	775.5	771.1	753.7	714.5	681.1	689.8	718.9	723.2	779.9	868.5
32.5°	829.2	827.8	832.1	816.2	775.5	721.8	707.2	724.7	729.0	785.7	869.9
35°	868.5	877.2	891.7	877.2	836.5	763.9	731.9	736.3	739.2	787.1	875.7
37.5°	913.5	923.6	944.0	955.6	912.0	827.8	771.1	755.2	755.2	806.0	877.2
40°	978.8	968.7	1003.5	1023.8	1006.4	906.2	832.1	790.0	791.5	830.7	896.0
42.5°	1026.7	1036.9	1073.2	1109.5	1087.7	1002.1	898.9	846.7	846.7	867.0	925.1
45°	1080.5	1092.1	1142.9	1186.5	1202.5	1116.8	990.4	928.0	925.1	938.2	977.4
47.5°	1140.0	1156.0	1214.1	1264.9	1307.0	1235.9	1108.1	1026.7	1025.3	1035.5	1064.5
50°	1208.3	1214.1	1262.0	1355.0	1439.2	1394.2	1251.8	1166.2	1158.9	1163.3	1202.5
52.5°	1228.6	1224.3	1279.4	1379.6	1533.6	1587.3	1447.9	1324.5	1321.6	1311.4	1362.2
55°	1154.5	1169.1	1222.8	1350.6	1610.6	1815.3	1662.8	1540.8	1514.7	1487.1	1548.1
57.5°	1006.4	1007.9	1068.9	1219.9	1551.0	2004.1	2027.4	1752.9	1754.3	1680.3	1750.0
60°	782.8	778.4	826.3	962.8	1381.1	2062.2	2425.3	2091.3	2076.7	1873.4	1937.3
62.5°	564.9	556.2	566.4	646.3	1032.6	1973.6	2815.9	2470.3	2409.3	2070.9	2120.3
65°	464.7	469.1	473.4	477.8	579.5	1628.0	2936.5	3089.0	3007.6	2301.8	2322.2
67.5°	384.8	387.8	406.6	432.8	429.9	961.4	2797.0	3661.1	3630.6	2587.9	2496.4
70°	326.8	325.3	347.1	395.0	402.3	499.6	2214.7	3778.8	3844.1	2895.8	2693.9
72.5°	261.4	264.3	283.2	347.1	395.0	421.2	1275.1	3526.1	3524.6	3132.5	2587.9
75°	187.3	187.3	213.5	287.5	381.9	416.8	705.8	2862.4	2916.1	2943.7	2245.2
77.5°	123.4	129.3	149.6	214.9	358.7	408.1	447.3	2081.1	2147.9	2201.6	1718.0
80°	84.2	87.1	100.2	149.6	303.5	411.0	366.0	1400.0	1426.1	1215.5	697.1
82.5°	50.8	52.3	66.8	104.6	217.8	390.7	344.2	772.6	756.6	367.4	200.4
85°	27.6	29.0	42.1	69.7	143.8	341.3	338.4	379.0	352.9	135.1	84.2
87.5°	10.2	10.2	18.9	34.9	82.8	233.8	294.8	225.1	210.6	68.3	39.2
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°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	864.1	864.1	864.1	864.1	862.6	856.8	861.2	859.7	851.0	852.5	846.7
5°	861.2	868.5	864.1	858.3	851.0	833.6	827.8	823.4	811.8	807.5	811.8
7.5°	868.5	862.6	859.7	849.6	820.5	804.6	784.2	759.5	742.1	737.7	742.1
10°	867.0	867.0	853.9	824.9	797.3	750.8	724.7	681.1	656.4	649.2	650.6
12.5°	861.2	865.5	845.2	798.7	746.5	689.8	641.9	595.4	551.9	534.4	531.5
15°	867.0	862.6	826.3	766.8	694.2	615.8	546.0	477.8	437.1	411.0	405.2
17.5°	858.3	853.9	801.6	723.2	625.9	525.7	438.6	364.5	323.9	313.7	313.7
20°	868.5	840.9	772.6	670.9	554.8	427.0	328.2	273.0	262.9	262.9	265.8
22.5°	867.0	838.0	747.9	620.1	469.1	322.4	244.0	228.0	229.5	241.1	239.6
25°	858.3	832.1	713.1	563.5	379.0	242.5	201.9	197.5	207.7	220.7	219.3
27.5°	856.8	816.2	681.1	496.7	289.0	191.7	175.7	175.7	185.9	197.5	196.1
30°	848.1	803.1	641.9	421.2	217.8	167.0	161.2	161.2	165.6	171.4	171.4
32.5°	846.7	785.7	598.3	342.7	174.3	151.0	148.1	149.6	149.6	152.5	151.0
35°	835.0	762.4	553.3	265.8	151.0	142.3	139.4	138.0	138.0	136.5	136.5
37.5°	830.7	747.9	506.8	206.2	140.9	135.1	132.2	127.8	126.3	126.3	124.9
40°	835.0	733.4	461.8	167.0	132.2	129.3	124.9	119.1	117.6	117.6	117.6
42.5°	851.0	731.9	415.3	145.2	127.8	123.4	117.6	111.8	110.4	111.8	110.4
45°	887.3	743.6	370.3	135.1	122.0	117.6	110.4	106.0	104.6	106.0	106.0
47.5°	946.9	775.5	329.7	129.3	117.6	111.8	104.6	100.2	100.2	100.2	100.2
50°	1045.6	836.5	290.5	124.9	114.7	107.5	100.2	94.4	92.9	92.9	94.4
52.5°	1193.8	941.1	258.5	122.0	110.4	101.7	94.4	90.0	87.1	85.7	87.1
55°	1372.4	1093.6	248.3	119.1	104.6	97.3	90.0	84.2	81.3	81.3	79.9
57.5°	1564.1	1262.0	265.8	116.2	100.2	91.5	84.2	78.4	75.5	74.1	74.1
60°	1771.8	1461.0	329.7	114.7	95.8	85.7	78.4	74.1	69.7	68.3	68.3
62.5°	1960.5	1641.1	444.4	113.3	92.9	79.9	72.6	66.8	63.9	62.4	62.4
65°	2175.5	1841.5	556.2	119.1	91.5	75.5	66.8	61.0	58.1	56.6	56.6
67.5°	2362.8	2015.7	621.6	133.6	95.8	69.7	59.5	55.2	53.7	52.3	52.3
70°	2499.3	2069.5	416.8	146.7	103.1	65.4	53.7	50.8	47.9	47.9	47.9
72.5°	2316.4	1847.3	246.9	138.0	97.3	61.0	47.9	45.0	43.6	43.6	42.1
75°	1980.9	1572.8	190.2	111.8	78.4	52.3	42.1	39.2	37.8	37.8	36.3
77.5°	1462.4	1127.0	140.9	88.6	61.0	42.1	36.3	34.9	33.4	31.9	31.9
80°	572.2	493.8	95.8	65.4	45.0	33.4	30.5	29.0	27.6	26.1	26.1
82.5°	177.2	149.6	55.2	43.6	31.9	26.1	24.7	23.2	21.8	20.3	20.3
85°	77.0	74.1	36.3	27.6	21.8	17.4	17.4	16.0	14.5	13.1	13.1
87.5°	37.8	36.3	20.3	13.1	11.6	8.7	8.7	7.3	5.8	5.8	5.8
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)