

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: P671216

Luminaire Tested: **CCP-SA-1D-727-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671216
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4615.9 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

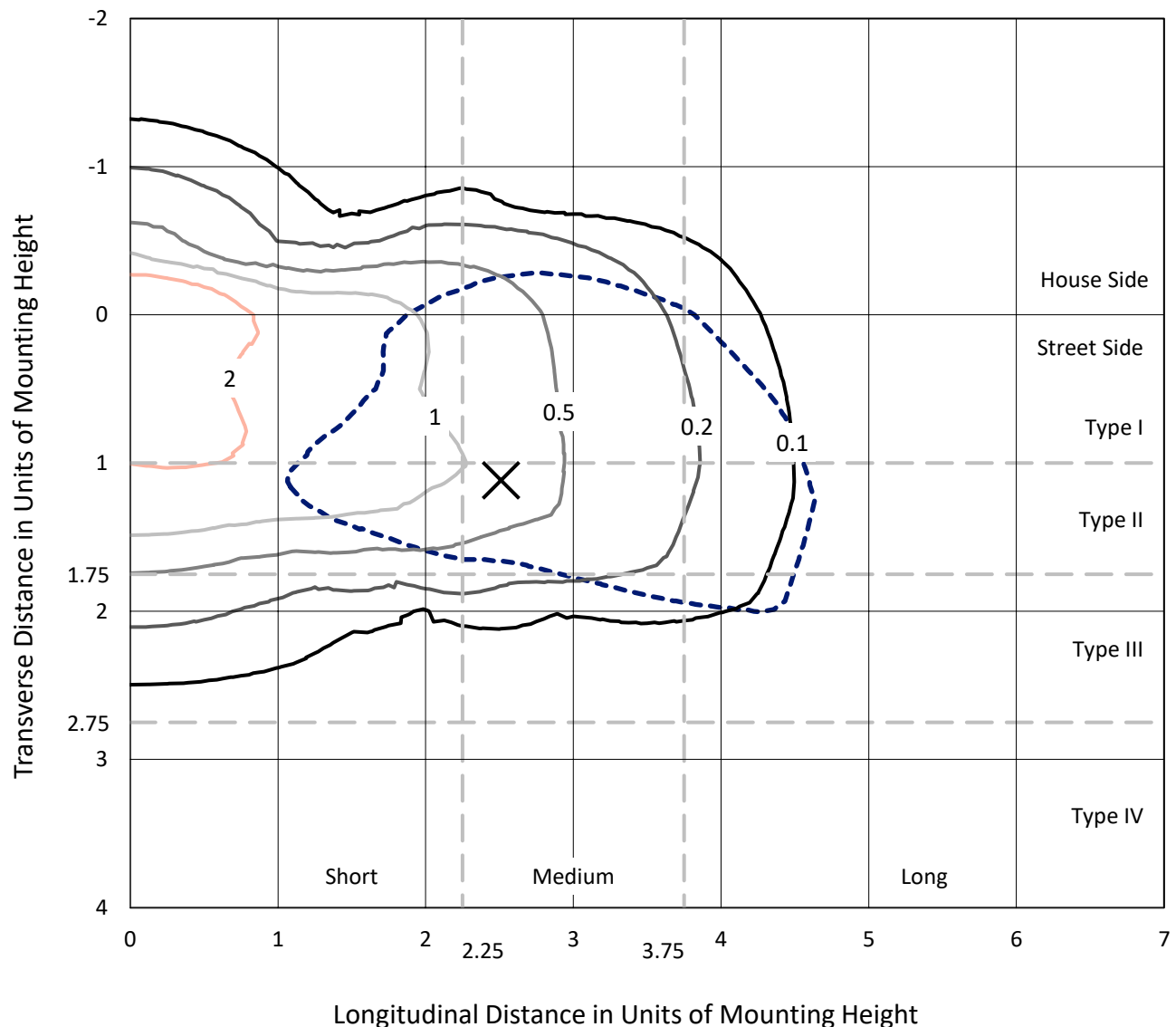
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

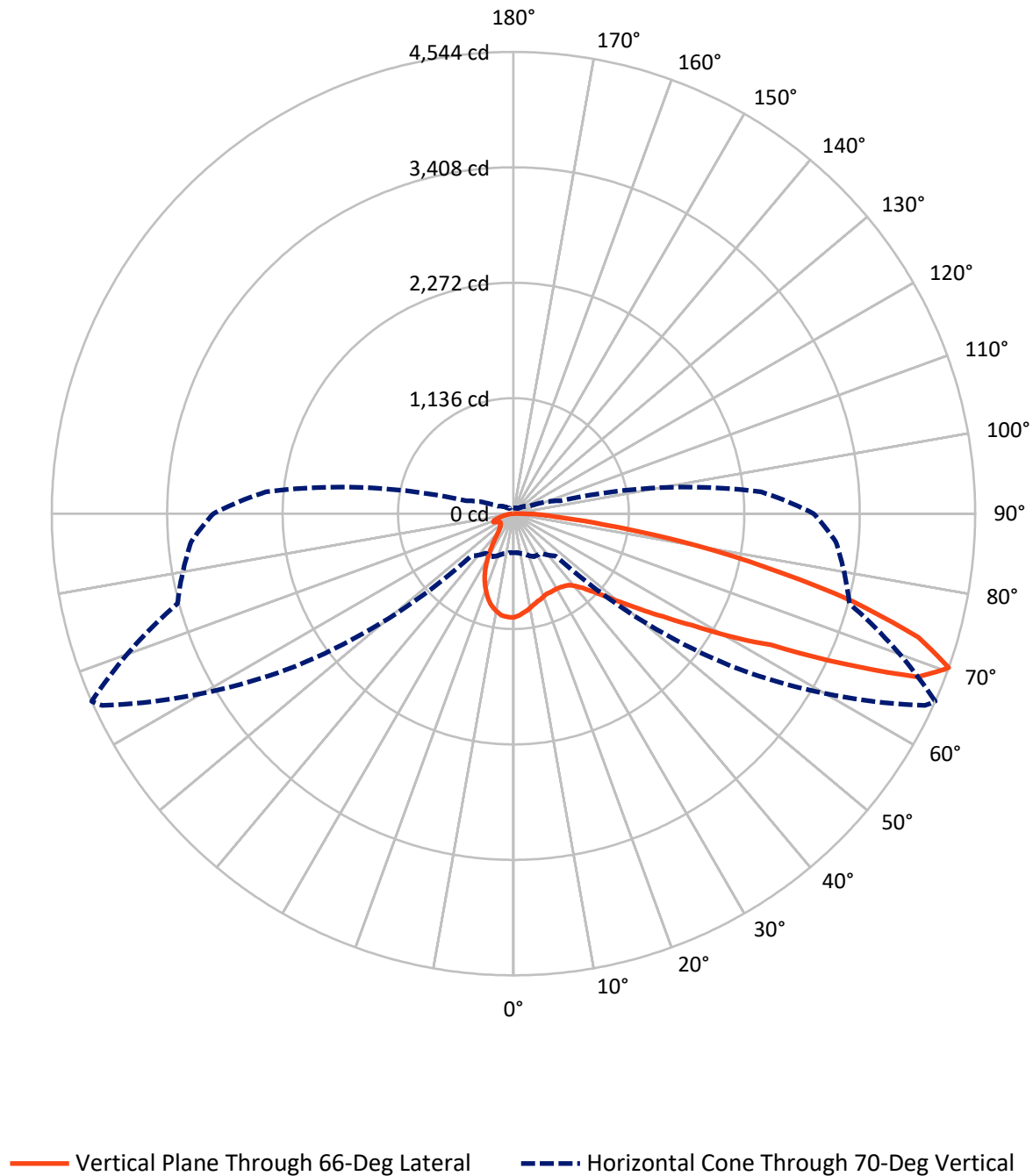
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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	944.8	0.0	944.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3671.1	0.0	3671.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	4615.9	0.0	4615.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	2.0
10°-20°	222.0	4.8
20°-30°	304.9	6.6
30°-40°	408.7	8.9
40°-50°	593.0	12.8
50°-60°	901.4	19.5
60°-70°	1113.3	24.1
70°-80°	827.9	17.9
80°-90°	154.4	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°	4615.9	100.0
0°-180°	4615.9	100.0

Coefficient of Utilization



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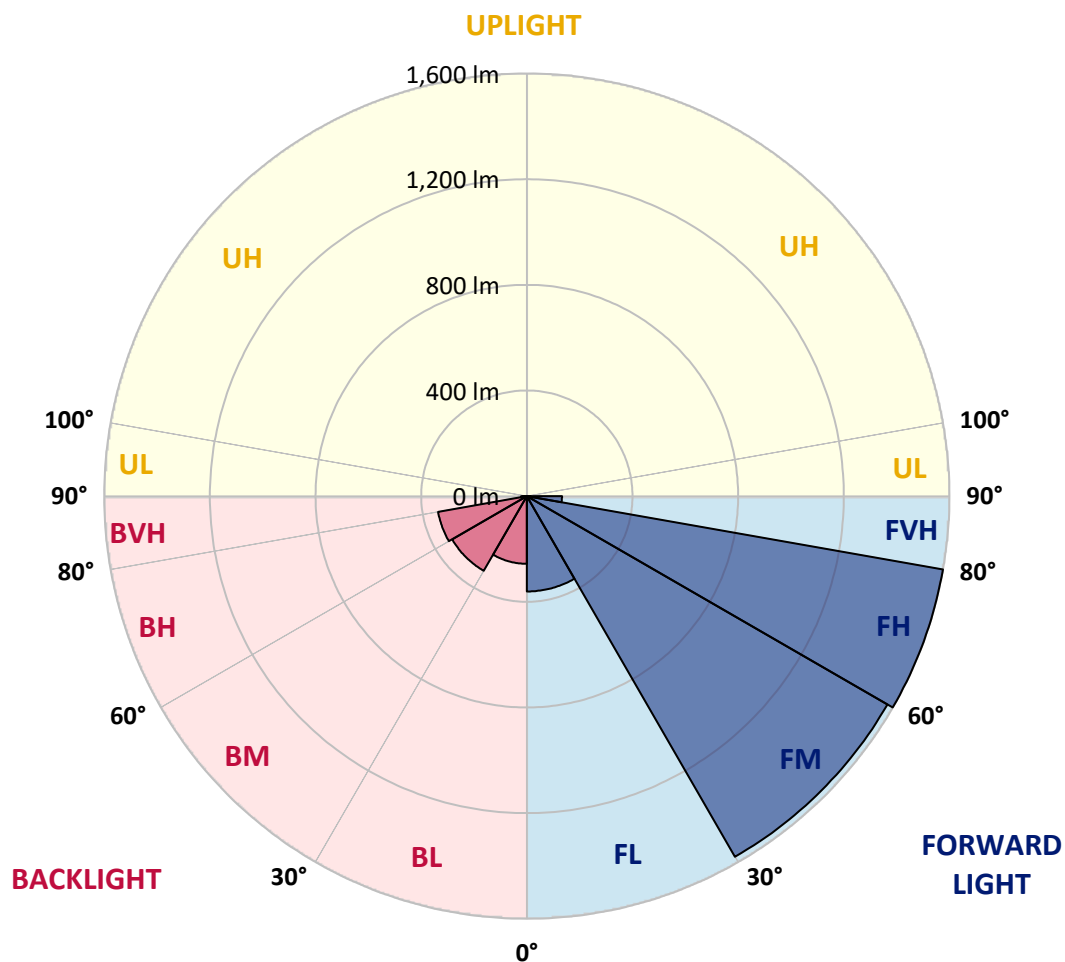
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.9	7.8			
FM	(30°-60°)	1576.8	34.2			
FH	(60°-80°)	1600.2	34.7			G1/1800
FVH	(80°-90°)	133.1	2.9			G2/225
BL	(0°-30°)	256.1	5.5	B1/500		
BM	(30°-60°)	326.4	7.1	B1/1000		
BH	(60°-80°)	341.1	7.4	B1/500		G1/500
BVH	(80°-90°)	21.3	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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	970.0	975.2	976.9	980.3	988.9	995.8	1006.1	1011.2	1006.1	1012.9	1012.9
5°	903.0	896.2	913.3	920.2	930.5	944.2	968.3	987.2	982.0	1002.6	1019.8
7.5°	846.4	846.4	851.5	867.0	879.0	899.6	925.4	954.5	963.1	990.6	1016.4
10°	794.9	801.8	801.8	825.8	832.7	856.7	899.6	935.7	937.4	983.7	1019.8
12.5°	767.4	764.0	781.2	788.0	808.6	832.7	867.0	911.6	913.3	963.1	1012.9
15°	745.1	748.5	757.1	774.3	793.2	812.1	844.7	885.9	894.5	952.8	1009.5
17.5°	746.8	748.5	748.5	760.5	776.0	798.3	829.2	877.3	882.4	939.1	1004.3
20°	757.1	750.2	755.4	760.5	770.8	791.5	817.2	858.4	863.6	937.4	1016.4
22.5°	779.4	774.3	772.6	770.8	769.1	781.2	813.8	848.1	853.3	928.8	1021.5
25°	815.5	813.8	801.8	789.7	781.2	781.2	806.9	856.7	855.0	928.8	1024.9
27.5°	858.4	858.4	856.7	834.4	808.6	794.9	812.1	853.3	851.5	928.8	1033.5
30°	916.8	916.8	911.6	891.0	844.7	805.2	815.5	849.8	855.0	921.9	1026.7
32.5°	980.3	978.6	983.7	964.8	916.8	853.3	836.1	856.7	861.8	928.8	1028.4
35°	1026.7	1037.0	1054.1	1037.0	988.9	903.0	865.3	870.4	873.9	930.5	1035.2
37.5°	1079.9	1091.9	1115.9	1129.7	1078.2	978.6	911.6	892.7	892.7	952.8	1037.0
40°	1157.1	1145.1	1186.3	1210.4	1189.8	1071.3	983.7	933.9	935.7	982.0	1059.3
42.5°	1213.8	1225.8	1268.7	1311.6	1285.9	1184.6	1062.7	1000.9	1000.9	1024.9	1093.6
45°	1277.3	1291.0	1351.1	1402.6	1421.5	1320.2	1170.9	1097.0	1093.6	1109.1	1155.4
47.5°	1347.7	1366.6	1435.3	1495.3	1545.1	1461.0	1309.9	1213.8	1212.1	1224.1	1258.4
50°	1428.4	1435.3	1491.9	1601.8	1701.4	1648.1	1479.9	1378.6	1370.0	1375.2	1421.5
52.5°	1452.4	1447.3	1512.5	1631.0	1813.0	1876.5	1711.7	1565.7	1562.3	1550.3	1610.4
55°	1364.9	1382.0	1445.6	1596.6	1903.9	2146.0	1965.8	1821.5	1790.6	1758.0	1830.1
57.5°	1189.8	1191.5	1263.6	1442.1	1833.6	2369.2	2396.7	2072.2	2073.9	1986.4	2068.8
60°	925.4	920.2	976.9	1138.2	1632.7	2437.9	2867.1	2472.2	2455.0	2214.7	2290.2
62.5°	667.8	657.5	669.6	764.0	1220.7	2333.2	3328.9	2920.3	2848.2	2448.2	2506.5
65°	549.4	554.5	559.7	564.8	685.0	1924.5	3471.4	3651.7	3555.5	2721.2	2745.2
67.5°	455.0	458.4	480.7	511.6	508.2	1136.5	3306.6	4328.1	4292.0	3059.4	2951.2
70°	386.3	384.6	410.3	467.0	475.6	590.6	2618.1	4467.2	4544.4	3423.3	3184.7
72.5°	309.0	312.5	334.8	410.3	467.0	497.9	1507.4	4168.4	4166.7	3703.2	3059.4
75°	221.5	221.5	252.4	339.9	451.5	492.7	834.4	3383.8	3447.4	3480.0	2654.2
77.5°	145.9	152.8	176.8	254.1	424.1	482.4	528.8	2460.2	2539.2	2602.7	2031.0
80°	99.6	103.0	118.5	176.8	358.8	485.9	432.6	1655.0	1685.9	1437.0	824.1
82.5°	60.1	61.8	79.0	123.6	257.5	461.8	406.9	913.3	894.5	434.4	236.9
85°	32.6	34.3	49.8	82.4	170.0	403.5	400.0	448.1	417.2	159.7	99.6
87.5°	12.0	12.0	22.3	41.2	97.9	276.4	348.5	266.1	248.9	80.7	46.4
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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1021.5	1021.5	1021.5	1021.5	1019.8	1012.9	1018.1	1016.4	1006.1	1007.8	1000.9
5°	1018.1	1026.7	1021.5	1014.6	1006.1	985.5	978.6	973.4	959.7	954.5	959.7
7.5°	1026.7	1019.8	1016.4	1004.3	970.0	951.1	927.1	897.9	877.3	872.1	877.3
10°	1024.9	1024.9	1009.5	975.2	942.5	887.6	856.7	805.2	776.0	767.4	769.1
12.5°	1018.1	1023.2	999.2	944.2	882.4	815.5	758.8	703.9	652.4	631.8	628.4
15°	1024.9	1019.8	976.9	906.5	820.6	727.9	645.5	564.8	516.8	485.9	479.0
17.5°	1014.6	1009.5	947.7	855.0	739.9	621.5	518.5	430.9	382.8	370.8	370.8
20°	1026.7	994.0	913.3	793.2	655.8	504.7	388.0	322.8	310.7	310.7	314.2
22.5°	1024.9	990.6	884.2	733.1	554.5	381.1	288.4	269.5	271.3	285.0	283.3
25°	1014.6	983.7	843.0	666.1	448.1	286.7	238.6	233.5	245.5	261.0	259.2
27.5°	1012.9	964.8	805.2	587.2	341.6	226.6	207.7	207.7	219.8	233.5	231.8
30°	1002.6	949.4	758.8	497.9	257.5	197.4	190.6	190.6	195.7	202.6	202.6
32.5°	1000.9	928.8	707.3	405.2	206.0	178.5	175.1	176.8	176.8	180.3	178.5
35°	987.2	901.3	654.1	314.2	178.5	168.2	164.8	163.1	163.1	161.4	161.4
37.5°	982.0	884.2	599.2	243.8	166.5	159.7	156.2	151.1	149.4	149.4	147.6
40°	987.2	867.0	545.9	197.4	156.2	152.8	147.6	140.8	139.1	139.1	139.1
42.5°	1006.1	865.3	491.0	171.7	151.1	145.9	139.1	132.2	130.5	132.2	130.5
45°	1049.0	879.0	437.8	159.7	144.2	139.1	130.5	125.3	123.6	125.3	125.3
47.5°	1119.4	916.8	389.7	152.8	139.1	132.2	123.6	118.5	118.5	118.5	118.5
50°	1236.1	988.9	343.4	147.6	135.6	127.0	118.5	111.6	109.9	109.9	111.6
52.5°	1411.2	1112.5	305.6	144.2	130.5	120.2	111.6	106.4	103.0	101.3	103.0
55°	1622.4	1292.8	293.6	140.8	123.6	115.0	106.4	99.6	96.1	96.1	94.4
57.5°	1849.0	1491.9	314.2	137.3	118.5	108.2	99.6	92.7	89.3	87.6	87.6
60°	2094.5	1727.1	389.7	135.6	113.3	101.3	92.7	87.6	82.4	80.7	80.7
62.5°	2317.7	1940.0	525.3	133.9	109.9	94.4	85.8	79.0	75.5	73.8	73.8
65°	2571.8	2176.9	657.5	140.8	108.2	89.3	79.0	72.1	68.7	67.0	67.0
67.5°	2793.3	2382.9	734.8	157.9	113.3	82.4	70.4	65.2	63.5	61.8	61.8
70°	2954.6	2446.5	492.7	173.4	121.9	77.3	63.5	60.1	56.7	56.7	56.7
72.5°	2738.3	2183.8	291.9	163.1	115.0	72.1	56.7	53.2	51.5	51.5	49.8
75°	2341.7	1859.3	224.9	132.2	92.7	61.8	49.8	46.4	44.6	44.6	42.9
77.5°	1728.8	1332.2	166.5	104.7	72.1	49.8	42.9	41.2	39.5	37.8	37.8
80°	676.4	583.7	113.3	77.3	53.2	39.5	36.1	34.3	32.6	30.9	30.9
82.5°	209.5	176.8	65.2	51.5	37.8	30.9	29.2	27.5	25.8	24.0	24.0
85°	91.0	87.6	42.9	32.6	25.8	20.6	20.6	18.9	17.2	15.5	15.5
87.5°	44.6	42.9	24.0	15.5	13.7	10.3	10.3	8.6	6.9	6.9	6.9
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)