

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: P671499

Luminaire Tested: **CCP-SA-2D-722-U-SL4**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671499
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL4
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8050.2 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

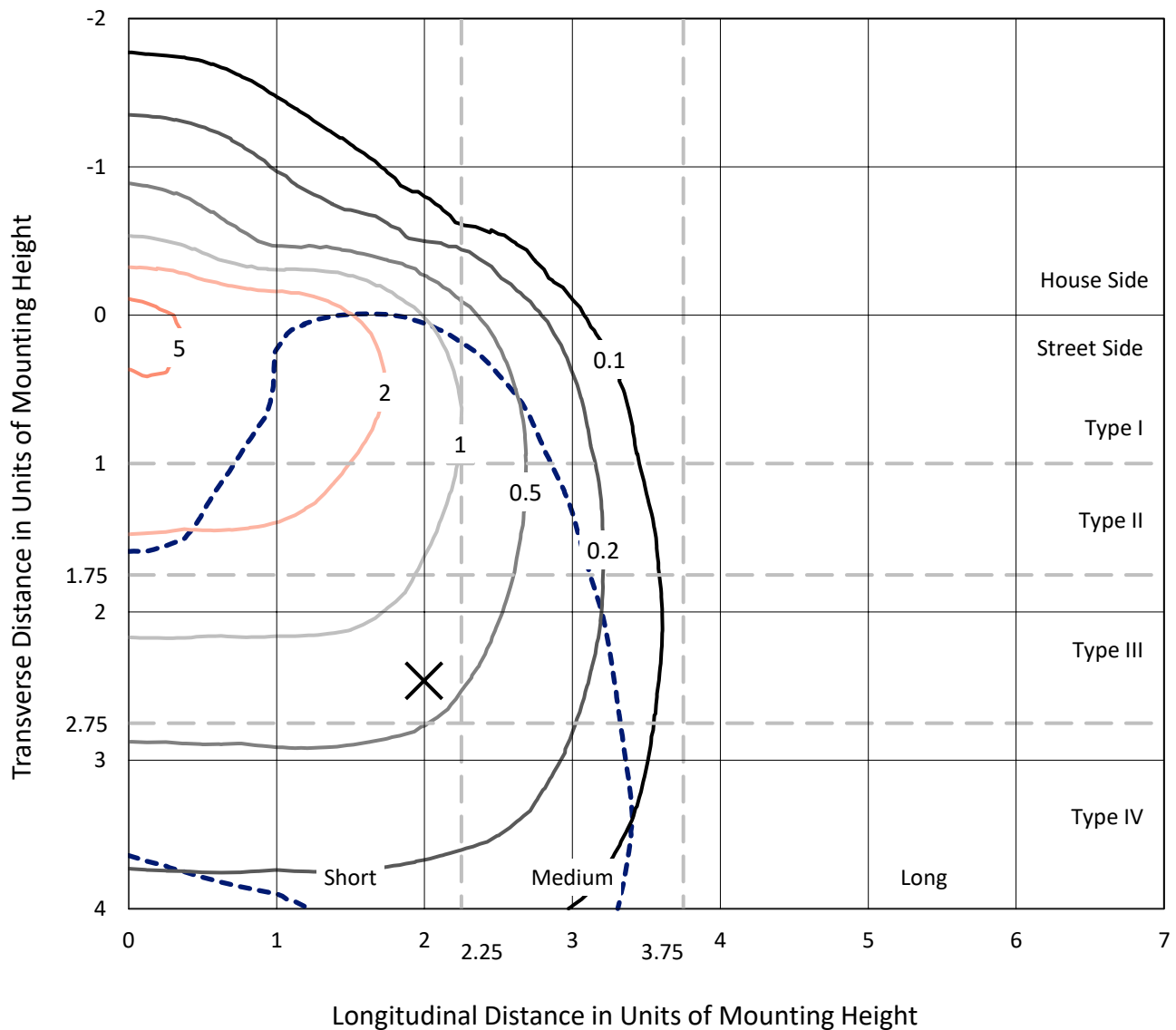
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671499

CATALOG NUMBER: CCP-SA-2D-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

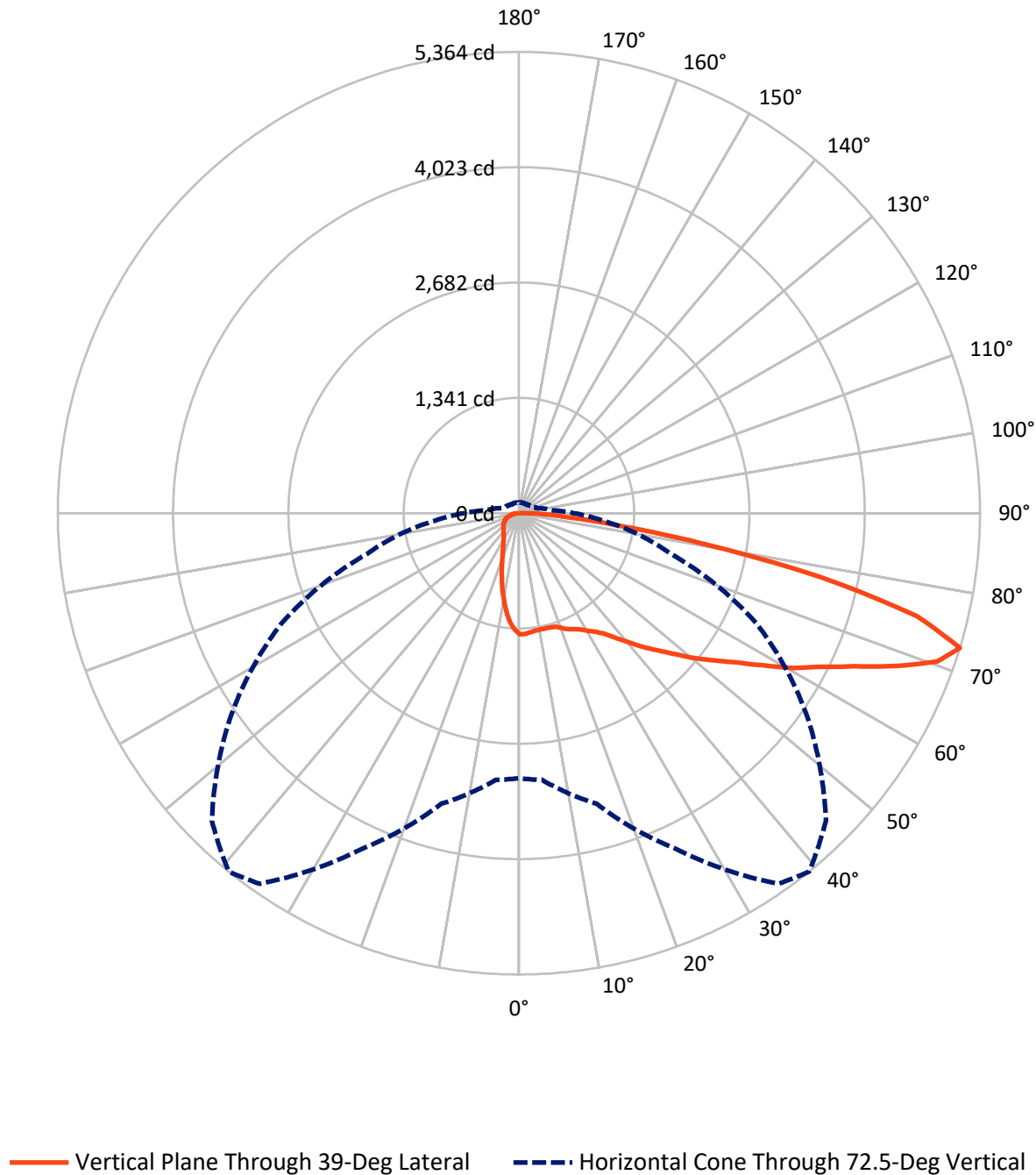


Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P671499

CATALOG NUMBER: CCP-SA-2D-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P671499

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.4	0.0	1196.4
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	6853.7	0.0	6853.7
	% Fixture	85.1	0.0	85.1
Total	Lumens	8050.2	0.0	8050.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	1.5
10°-20°	317.8	3.9
20°-30°	484.2	6.0
30°-40°	708.2	8.8
40°-50°	1084.3	13.5
50°-60°	1590.3	19.8
60°-70°	2028.2	25.2
70°-80°	1465.4	18.2
80°-90°	247.2	3.1
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°	8050.2	100.0
0°-180°	8050.2	100.0

Coefficient of Utilization



REPORT NUMBER: P671499

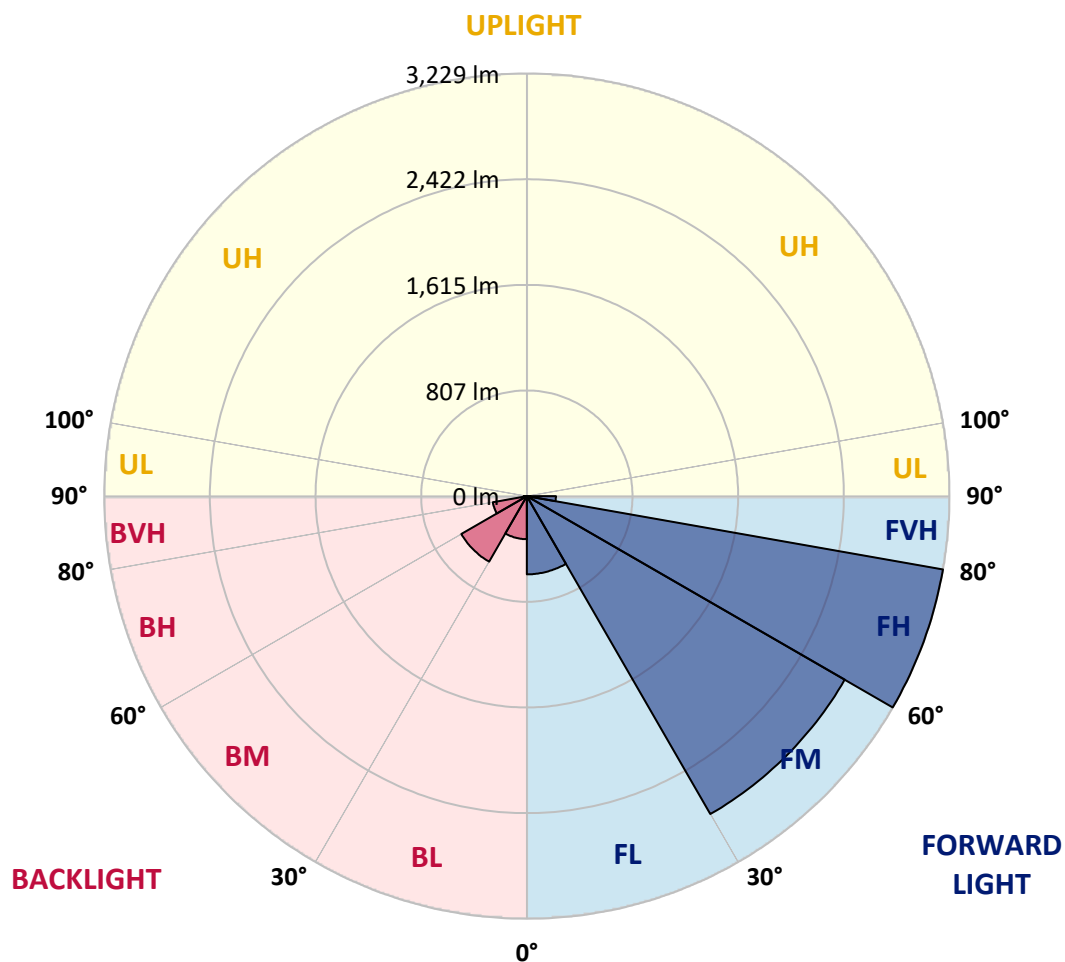
CATALOG NUMBER: CCP-SA-2D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	597.4	7.4			
FM	(30°-60°)	2804.9	34.8			
FH	(60°-80°)	3229.3	40.1			G2/5000
FVH	(80°-90°)	222.2	2.8			G2/225
BL	(0°-30°)	329.0	4.1	B1/500		
BM	(30°-60°)	578.0	7.2	B1/1000		
BH	(60°-80°)	264.3	3.3	B1/500		G1/500
BVH	(80°-90°)	25.0	0.3			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 IV Short



REPORT NUMBER: P671499

CATALOG NUMBER: CCP-SA-2D-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1430.3	1433.3	1427.3	1421.2	1418.2	1406.1	1418.2	1412.2	1406.1	1406.1	1406.1
5°	1412.2	1415.2	1415.2	1409.1	1412.2	1391.0	1388.0	1391.0	1381.9	1375.9	1372.9
7.5°	1384.9	1391.0	1403.1	1400.1	1388.0	1378.9	1381.9	1378.9	1363.8	1354.7	1330.5
10°	1363.8	1369.8	1375.9	1381.9	1378.9	1375.9	1372.9	1360.8	1357.7	1336.6	1312.4
12.5°	1342.6	1342.6	1345.6	1369.8	1372.9	1372.9	1354.7	1354.7	1345.6	1342.6	1306.3
15°	1321.4	1330.5	1354.7	1360.8	1372.9	1378.9	1369.8	1369.8	1354.7	1333.5	1306.3
17.5°	1327.5	1342.6	1366.8	1381.9	1388.0	1388.0	1400.1	1391.0	1369.8	1357.7	1330.5
20°	1357.7	1360.8	1391.0	1418.2	1424.3	1424.3	1412.2	1403.1	1388.0	1366.8	1330.5
22.5°	1375.9	1397.0	1433.3	1448.4	1466.6	1466.6	1451.5	1430.3	1409.1	1388.0	1348.7
25°	1454.5	1457.5	1472.6	1496.8	1505.9	1493.8	1478.7	1454.5	1427.3	1406.1	1369.8
27.5°	1508.9	1524.0	1542.2	1554.3	1539.2	1530.1	1518.0	1490.8	1469.6	1451.5	1400.1
30°	1608.7	1590.6	1602.7	1608.7	1581.5	1587.5	1554.3	1530.1	1505.9	1505.9	1448.4
32.5°	1669.2	1684.3	1672.2	1669.2	1648.0	1645.0	1623.8	1596.6	1581.5	1599.6	1521.0
35°	1775.0	1766.0	1766.0	1762.9	1738.7	1723.6	1723.6	1675.2	1690.4	1729.7	1632.9
37.5°	1829.5	1826.4	1844.6	1859.7	1835.5	1844.6	1835.5	1814.3	1820.4	1889.9	1772.0
40°	1883.9	1905.1	1941.3	1947.4	1962.5	1974.6	1968.6	1965.5	1989.7	2101.6	1959.5
42.5°	1935.3	1953.4	2007.9	2056.3	2092.5	2131.9	2134.9	2134.9	2213.5	2373.8	2186.3
45°	2001.8	2016.9	2092.5	2189.3	2249.8	2277.0	2301.2	2328.4	2434.2	2624.7	2428.2
47.5°	2092.5	2104.6	2195.4	2316.3	2434.2	2449.4	2497.7	2528.0	2688.2	2881.8	2676.2
50°	2222.6	2213.5	2286.1	2461.5	2576.4	2648.9	2718.5	2772.9	2930.2	3141.8	2869.7
52.5°	2328.4	2328.4	2382.8	2615.7	2772.9	2842.5	2915.0	2990.6	3172.1	3401.9	3026.9
55°	2509.8	2491.7	2525.0	2766.9	2993.7	3060.2	3199.3	3262.8	3438.2	3595.4	3160.0
57.5°	2633.8	2642.9	2682.2	2966.4	3253.7	3335.4	3474.5	3519.8	3674.0	3798.0	3256.7
60°	2797.1	2766.9	2851.5	3187.2	3541.0	3655.9	3770.8	3798.0	3912.9	3928.0	3302.1
62.5°	2954.4	2948.3	3020.9	3407.9	3849.4	3931.1	4049.0	4079.2	4127.6	4030.9	3238.6
65°	3051.1	3090.4	3226.5	3649.9	4200.2	4290.9	4408.9	4348.4	4293.9	3940.1	2927.1
67.5°	3184.2	3202.3	3411.0	3912.9	4605.4	4741.5	4844.3	4605.4	4200.2	3568.2	2464.5
70°	3214.4	3262.8	3534.9	4188.1	5022.7	5161.8	5167.8	4517.7	3858.5	2902.9	1787.1
72.5°	3081.4	3114.6	3498.7	4303.0	5261.6	5364.4	5052.9	4085.3	3057.2	1829.5	973.7
75°	2591.5	2685.2	3045.1	3949.2	4823.1	4783.8	4281.8	3117.6	1835.5	810.4	411.3
77.5°	1805.3	1808.3	2183.3	2872.7	3610.5	3601.5	3054.1	1808.3	786.2	326.6	241.9
80°	801.3	858.8	1085.6	1548.2	2192.3	2192.3	1781.1	898.1	393.1	211.7	166.3
82.5°	471.7	489.9	580.6	722.7	1067.4	1124.9	852.7	598.7	269.1	133.1	102.8
85°	347.7	378.0	432.4	435.4	505.0	514.1	471.7	520.1	184.5	72.6	84.7
87.5°	260.1	278.2	344.7	287.3	269.1	254.0	290.3	532.2	69.5	36.3	27.2
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: P671499

CATALOG NUMBER: CCP-SA-2D-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1394.0	1394.0	1388.0	1375.9	1375.9	1351.7	1357.7	1363.8	1348.7	1348.7	1351.7
5°	1372.9	1360.8	1345.6	1327.5	1315.4	1282.1	1276.1	1254.9	1251.9	1245.8	1236.8
7.5°	1330.5	1312.4	1285.2	1257.9	1218.6	1188.4	1152.1	1121.9	1109.8	1100.7	1097.7
10°	1291.2	1288.2	1242.8	1188.4	1127.9	1070.5	1016.0	976.7	952.5	937.4	934.4
12.5°	1291.2	1267.0	1203.5	1127.9	1040.2	955.6	886.0	831.6	798.3	774.1	765.0
15°	1285.2	1261.0	1176.3	1061.4	961.6	846.7	749.9	692.5	644.1	619.9	622.9
17.5°	1291.2	1254.9	1137.0	1013.0	873.9	749.9	635.0	565.5	517.1	498.9	495.9
20°	1294.2	1248.9	1106.7	946.5	783.2	644.1	535.2	468.7	432.4	420.3	420.3
22.5°	1288.2	1230.7	1061.4	867.9	704.6	556.4	465.7	408.2	384.0	368.9	375.0
25°	1315.4	1227.7	1019.1	801.3	613.9	483.8	414.3	371.9	356.8	347.7	350.8
27.5°	1321.4	1227.7	985.8	725.7	535.2	429.4	375.0	347.7	335.7	329.6	326.6
30°	1345.6	1233.8	946.5	650.1	471.7	387.1	344.7	329.6	320.5	317.5	317.5
32.5°	1412.2	1251.9	904.1	586.6	417.3	350.8	323.6	311.5	305.4	302.4	305.4
35°	1490.8	1300.3	858.8	520.1	378.0	326.6	305.4	296.3	293.3	293.3	293.3
37.5°	1611.7	1372.9	819.5	465.7	344.7	302.4	287.3	284.2	281.2	284.2	284.2
40°	1750.8	1451.5	783.2	423.3	320.5	287.3	272.2	272.2	269.1	272.2	275.2
42.5°	1911.1	1548.2	746.9	381.0	299.4	275.2	263.1	260.1	257.0	263.1	266.1
45°	2131.9	1681.3	722.7	356.8	284.2	263.1	251.0	251.0	248.0	248.0	254.0
47.5°	2316.3	1808.3	722.7	332.6	275.2	254.0	241.9	241.9	235.9	238.9	238.9
50°	2470.5	1917.2	737.8	326.6	263.1	244.9	235.9	229.8	226.8	226.8	226.8
52.5°	2573.3	1983.7	749.9	320.5	257.0	232.8	226.8	223.8	217.7	214.7	217.7
55°	2676.2	2029.0	753.0	320.5	248.0	220.7	214.7	214.7	208.6	205.6	205.6
57.5°	2715.5	2010.9	710.6	314.5	241.9	211.7	205.6	202.6	199.6	196.6	196.6
60°	2697.3	1944.4	616.9	299.4	235.9	205.6	193.5	193.5	193.5	187.5	190.5
62.5°	2573.3	1717.6	495.9	275.2	226.8	193.5	181.4	187.5	187.5	184.5	184.5
65°	2246.8	1418.2	402.2	254.0	214.7	184.5	172.4	181.4	184.5	181.4	178.4
67.5°	1796.2	1091.6	332.6	229.8	199.6	169.3	160.3	169.3	172.4	169.3	169.3
70°	1233.8	704.6	269.1	205.6	178.4	154.2	145.1	151.2	151.2	154.2	154.2
72.5°	638.0	381.0	220.7	175.4	154.2	139.1	130.0	130.0	127.0	127.0	127.0
75°	317.5	260.1	184.5	148.2	130.0	117.9	111.9	105.8	105.8	105.8	105.8
77.5°	220.7	199.6	151.2	117.9	105.8	96.8	96.8	87.7	87.7	87.7	87.7
80°	166.3	157.2	114.9	90.7	81.6	75.6	75.6	72.6	72.6	69.5	69.5
82.5°	117.9	127.0	87.7	66.5	60.5	57.5	57.5	54.4	54.4	48.4	48.4
85°	93.7	105.8	66.5	48.4	45.4	39.3	39.3	36.3	36.3	33.3	30.2
87.5°	27.2	57.5	27.2	18.1	18.1	18.1	18.1	15.1	15.1	12.1	12.1
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)