

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: P671980

Luminaire Tested: **CCP-SA-1D-750-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671980
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-750-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5756.8 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

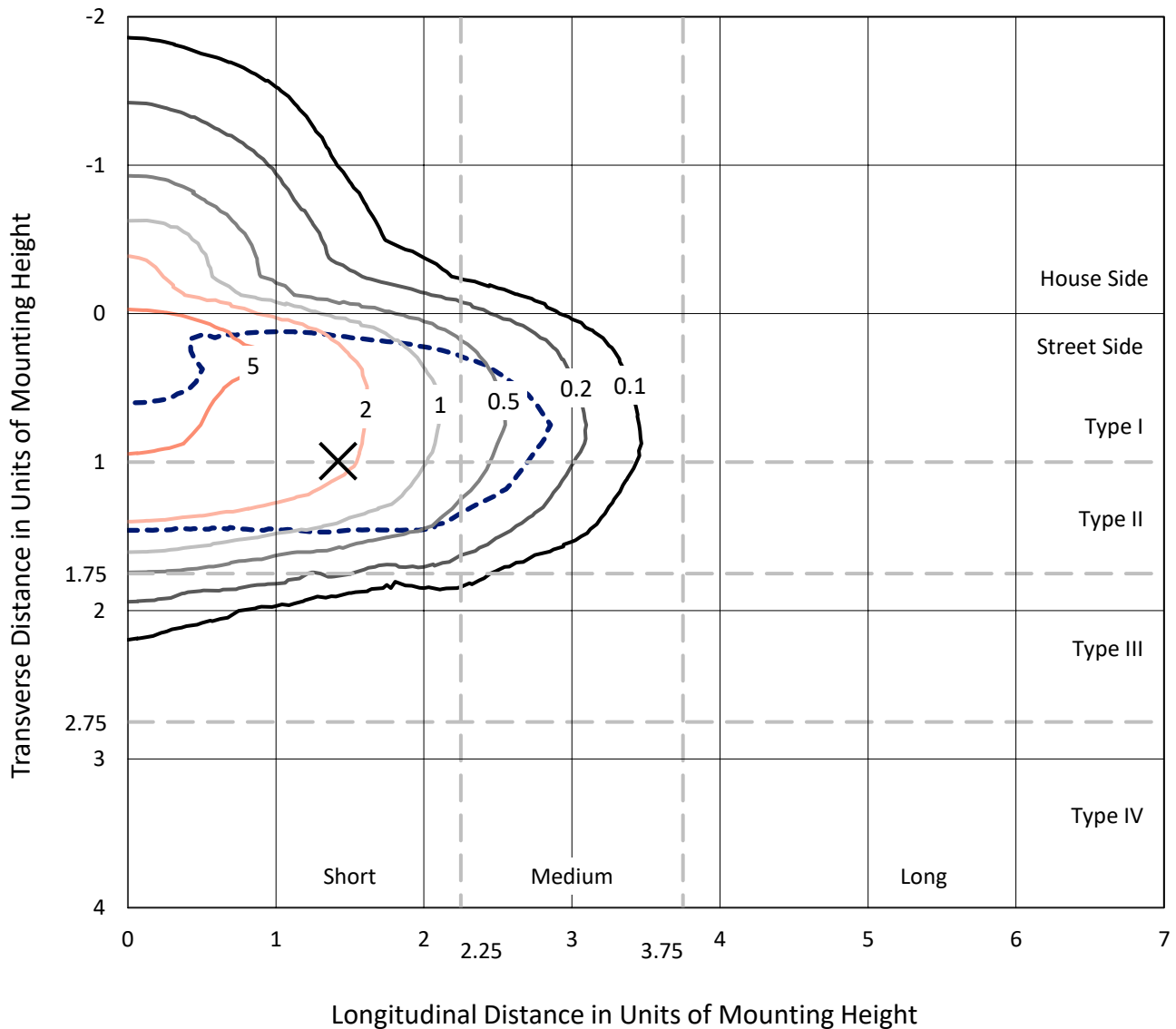
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

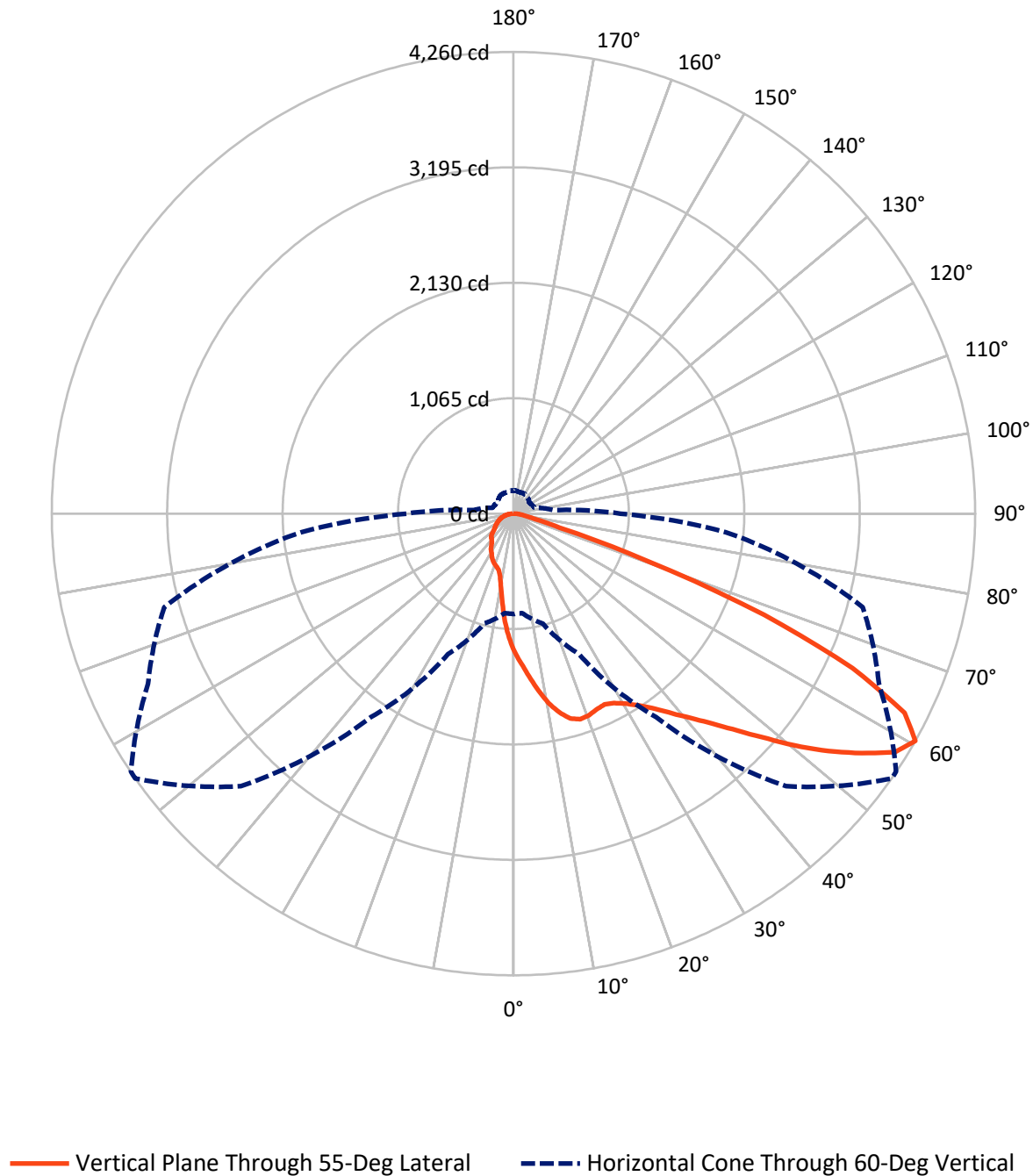


Based on 15 foot mounting height. Maximum calculated value = 8 fc

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	827.6	0.0	827.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4929.3	0.0	4929.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	5756.8	0.0	5756.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	2.1
10°-20°	338.5	5.9
20°-30°	551.2	9.6
30°-40°	823.8	14.3
40°-50°	1210.7	21.0
50°-60°	1419.0	24.6
60°-70°	935.6	16.3
70°-80°	297.9	5.2
80°-90°	60.6	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°	5756.8	100.0
0°-180°	5756.8	100.0

Coefficient of Utilization



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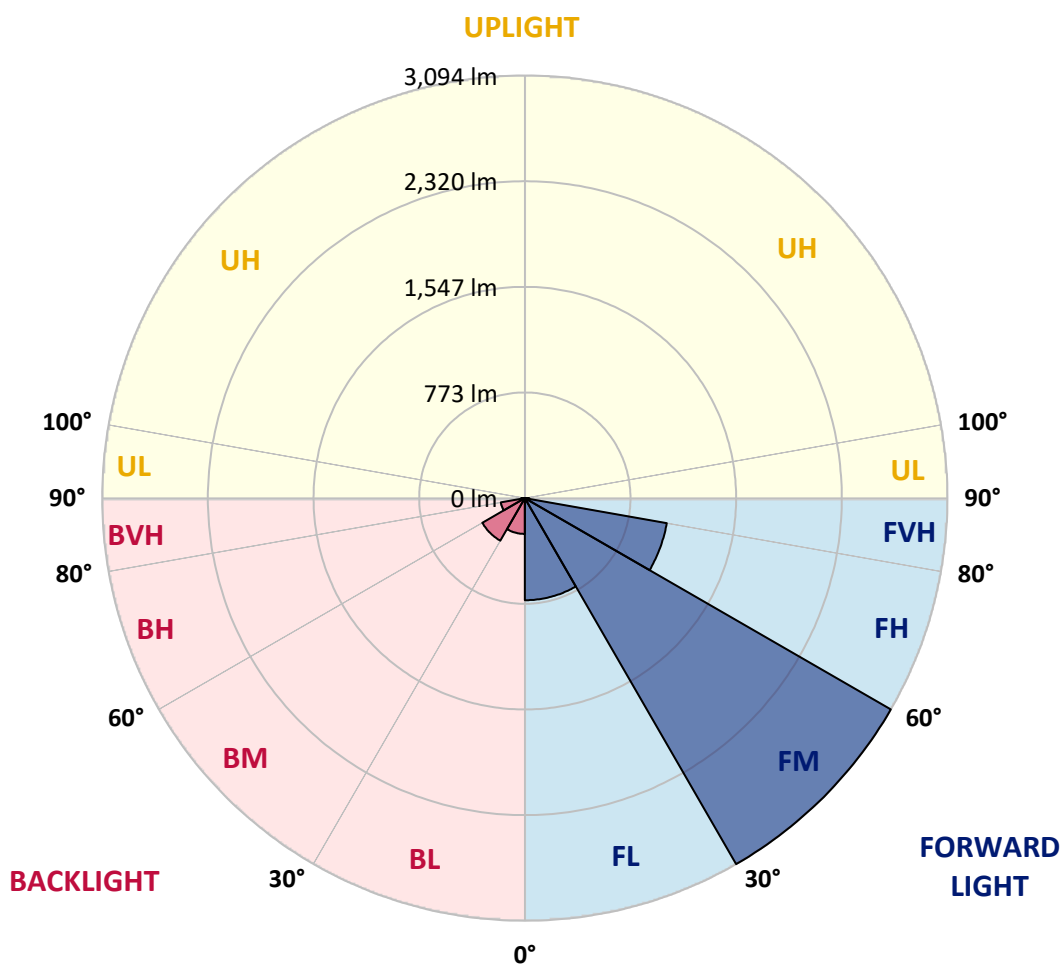
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	747.2	13.0			
FM	(30°-60°)	3093.8	53.7			
FH	(60°-80°)	1055.0	18.3			G1/1800
FVH	(80°-90°)	33.2	0.6			G1/100
BL	(0°-30°)	262.0	4.6	B1/500		
BM	(30°-60°)	359.7	6.2	B1/1000		
BH	(60°-80°)	178.6	3.1	B1/500		G1/500
BVH	(80°-90°)	27.4	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°	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7
2.5°	1485.8	1480.3	1480.3	1466.6	1446.1	1417.8	1384.0	1375.6	1362.7	1329.7	1287.2
5°	1712.3	1706.5	1698.6	1674.4	1636.4	1579.6	1508.3	1495.4	1449.0	1381.0	1304.3
7.5°	1862.1	1858.8	1856.3	1835.4	1797.9	1741.9	1646.4	1631.8	1553.4	1440.7	1320.5
10°	1846.7	1856.7	1874.2	1888.8	1896.3	1867.5	1777.8	1760.7	1663.5	1510.0	1344.7
12.5°	1701.9	1716.1	1748.6	1808.3	1877.1	1932.6	1881.7	1872.1	1781.2	1583.4	1375.2
15°	1594.2	1600.1	1615.9	1660.2	1762.8	1910.9	1962.2	1953.5	1890.9	1677.7	1410.2
17.5°	1560.9	1563.4	1567.1	1581.7	1651.8	1826.2	1995.2	2003.5	1997.3	1775.7	1449.9
20°	1577.6	1579.2	1579.6	1582.1	1615.5	1755.3	1986.4	2000.6	2090.8	1873.8	1489.1
22.5°	1641.8	1639.7	1636.8	1627.2	1646.0	1742.8	1963.1	1985.6	2162.9	1963.1	1525.4
25°	1754.0	1751.1	1730.7	1710.7	1718.6	1787.8	1950.6	1974.8	2219.3	2047.4	1552.1
27.5°	1887.6	1884.6	1863.8	1825.8	1817.5	1862.9	1979.8	1994.8	2260.6	2122.0	1563.8
30°	2026.1	2026.1	2000.2	1956.4	1929.7	1948.9	2033.6	2045.7	2291.9	2194.2	1571.3
32.5°	2177.1	2181.3	2141.2	2091.2	2061.5	2050.3	2109.1	2119.5	2337.3	2279.3	1587.2
35°	2371.1	2362.0	2313.1	2247.2	2199.6	2174.2	2202.6	2214.7	2404.1	2385.3	1612.6
37.5°	2589.3	2573.1	2513.0	2434.1	2351.1	2308.5	2327.3	2330.2	2503.0	2523.4	1658.9
40°	2769.6	2766.7	2715.8	2641.1	2536.4	2479.2	2470.0	2471.7	2640.2	2687.0	1729.0
42.5°	2921.5	2910.6	2901.4	2875.1	2764.2	2670.3	2632.7	2633.2	2789.2	2856.0	1799.5
45°	2988.6	2986.5	3013.7	3081.3	3001.6	2891.0	2837.6	2845.1	2959.8	3029.5	1867.5
47.5°	2959.8	2961.5	3034.1	3211.4	3258.6	3173.9	3079.2	3074.6	3125.1	3162.6	1927.6
50°	2702.8	2730.0	2926.5	3223.5	3427.1	3469.3	3362.5	3345.4	3269.8	3268.6	1964.3
52.5°	2508.8	2507.6	2628.1	3100.5	3486.8	3735.9	3639.9	3601.5	3389.6	3328.3	1967.2
55°	2246.8	2245.1	2334.8	2740.4	3368.3	3922.0	3901.5	3853.6	3499.3	3347.9	1947.2
57.5°	1701.5	1733.2	1822.5	2193.8	2992.8	3892.4	4151.5	4111.4	3606.6	3339.1	1943.5
60°	925.8	922.1	1051.4	1429.9	2291.4	3556.1	4260.4	4258.3	3720.5	3335.8	1966.4
62.5°	426.8	422.7	448.5	636.7	1313.9	2848.9	4050.1	4080.1	3826.0	3305.3	1964.3
65°	319.2	308.3	273.3	296.2	502.8	1700.6	3440.1	3520.2	3663.3	3180.1	1873.4
67.5°	284.6	274.1	233.2	218.6	252.4	600.0	2495.5	2569.3	3063.3	2945.7	1726.1
70°	260.8	251.6	210.7	187.8	189.4	265.8	1306.4	1451.6	2245.1	2458.3	1471.2
72.5°	237.8	229.9	192.8	165.2	159.4	175.7	445.2	537.0	1396.5	1791.6	1096.9
75°	213.6	206.1	173.6	148.1	136.9	130.2	212.0	228.2	738.5	989.3	588.7
77.5°	185.7	181.5	154.8	130.6	121.0	98.5	141.0	148.1	316.3	388.4	280.4
80°	161.5	158.1	138.1	118.5	108.5	75.9	97.2	102.2	156.0	194.0	156.9
82.5°	105.1	113.5	114.3	101.8	95.5	60.9	64.3	68.0	103.5	114.3	68.4
85°	43.4	52.6	78.9	70.1	66.3	51.7	42.6	43.4	63.4	66.8	24.6
87.5°	19.6	21.7	38.8	39.2	34.2	19.6	21.3	23.4	32.5	32.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7	1276.7
2.5°	1275.5	1256.3	1222.1	1178.3	1147.0	1124.0	1099.0	1080.6	1060.2	1042.2	1045.2
5°	1272.6	1235.4	1158.7	1077.3	998.0	932.9	878.7	838.6	797.3	781.1	779.0
7.5°	1275.1	1212.1	1086.1	953.0	832.4	749.3	686.3	648.4	624.6	610.8	611.7
10°	1274.2	1189.9	1007.6	824.0	692.2	616.3	577.9	565.3	563.3	564.9	567.4
12.5°	1275.5	1159.9	919.6	708.0	591.6	552.8	554.5	565.8	572.9	577.4	580.4
15°	1280.9	1135.3	829.5	616.7	539.1	540.3	558.3	575.8	586.2	591.2	593.7
17.5°	1288.8	1104.4	749.3	547.4	517.0	536.1	559.5	578.3	586.2	589.1	591.2
20°	1289.7	1068.9	668.4	499.8	502.3	527.4	547.8	562.8	572.9	576.2	577.9
22.5°	1285.9	1021.0	585.4	465.2	485.7	510.7	528.2	545.3	532.0	521.1	518.2
25°	1270.1	960.5	514.4	436.8	464.8	488.2	508.2	489.4	483.2	474.8	475.6
27.5°	1235.8	884.9	447.7	410.1	440.2	473.6	459.0	456.5	448.5	440.2	440.2
30°	1190.8	805.3	391.8	382.2	410.6	427.2	430.6	426.8	422.2	411.4	412.2
32.5°	1150.3	721.0	352.1	358.8	391.8	391.8	406.4	406.4	389.7	359.2	359.2
35°	1110.3	641.7	322.9	339.2	360.9	368.0	388.0	361.7	338.0	324.2	323.4
37.5°	1079.0	574.1	303.7	322.5	330.9	348.8	349.2	330.0	322.1	309.6	308.3
40°	1060.6	517.4	292.1	314.2	315.0	331.7	304.2	309.6	307.9	298.3	297.1
42.5°	1050.6	473.6	283.3	307.1	302.9	286.6	281.6	290.8	293.7	288.7	286.6
45°	1042.7	439.3	276.2	282.5	293.3	263.7	261.6	268.7	275.0	274.5	272.9
47.5°	1038.5	415.6	269.9	267.0	269.1	249.9	245.7	249.1	257.0	262.0	261.6
50°	1022.2	397.2	260.8	251.2	237.8	237.8	235.7	235.7	245.3	255.3	256.2
52.5°	993.4	375.5	247.4	236.2	220.7	227.4	228.2	226.6	236.6	247.4	248.3
55°	961.7	359.2	229.5	222.4	206.5	217.8	221.6	219.9	226.6	234.1	233.7
57.5°	962.1	358.8	214.0	208.6	193.2	205.7	214.9	215.3	214.9	220.3	220.3
60°	986.3	367.2	201.9	190.3	177.7	192.8	207.8	207.8	204.9	212.8	213.6
62.5°	993.4	366.3	194.4	172.7	164.0	181.1	197.4	199.9	197.8	209.0	210.3
65°	930.8	346.7	186.9	156.9	151.5	168.1	184.4	191.5	189.4	204.0	205.7
67.5°	844.1	321.3	175.2	142.7	138.5	155.6	171.1	178.6	178.2	197.4	198.2
70°	727.7	290.0	160.6	128.1	126.0	141.0	154.8	162.7	166.5	188.6	188.2
72.5°	563.7	248.7	138.5	112.7	112.2	126.0	138.1	146.9	154.0	175.2	175.2
75°	363.4	195.7	113.1	97.6	96.0	108.9	121.4	131.4	153.1	186.9	186.5
77.5°	222.0	149.4	91.0	81.4	80.9	92.6	105.1	122.2	167.3	166.5	161.9
80°	133.1	107.2	72.6	65.1	65.1	75.9	89.7	131.0	138.9	158.5	149.8
82.5°	69.3	65.9	54.2	48.0	50.1	59.7	81.8	104.7	113.5	96.4	88.5
85°	28.4	35.0	33.4	30.5	31.7	41.3	78.9	83.9	67.2	70.5	70.9
87.5°	9.6	15.4	15.4	12.1	13.4	29.2	46.7	28.0	33.8	20.0	15.0
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)