

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: P671927

Luminaire Tested: **CCP-SA-1F-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671927
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5573.3 lumens
Efficiency: N/A
Efficacy: 83.2 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): 67
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

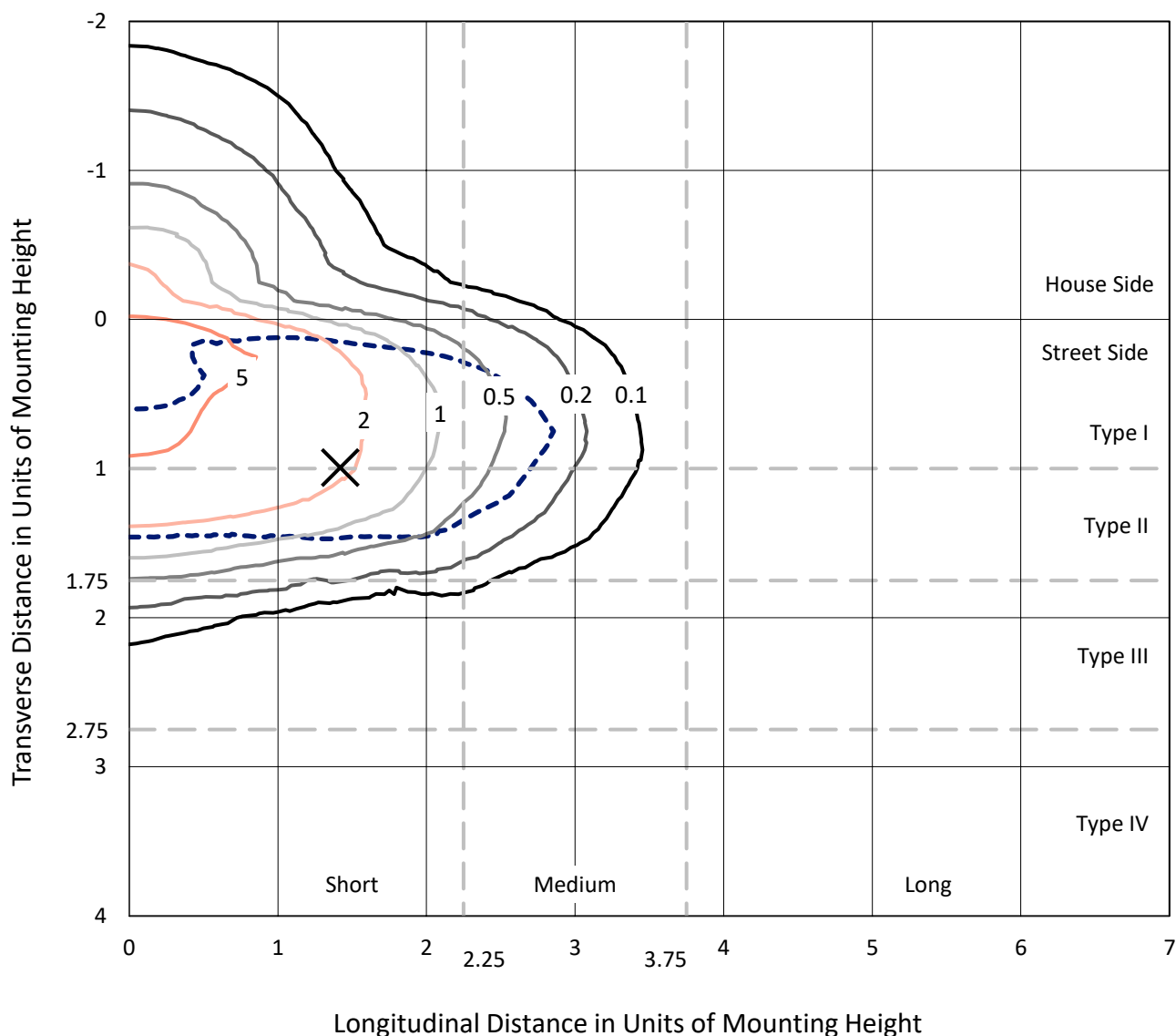
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

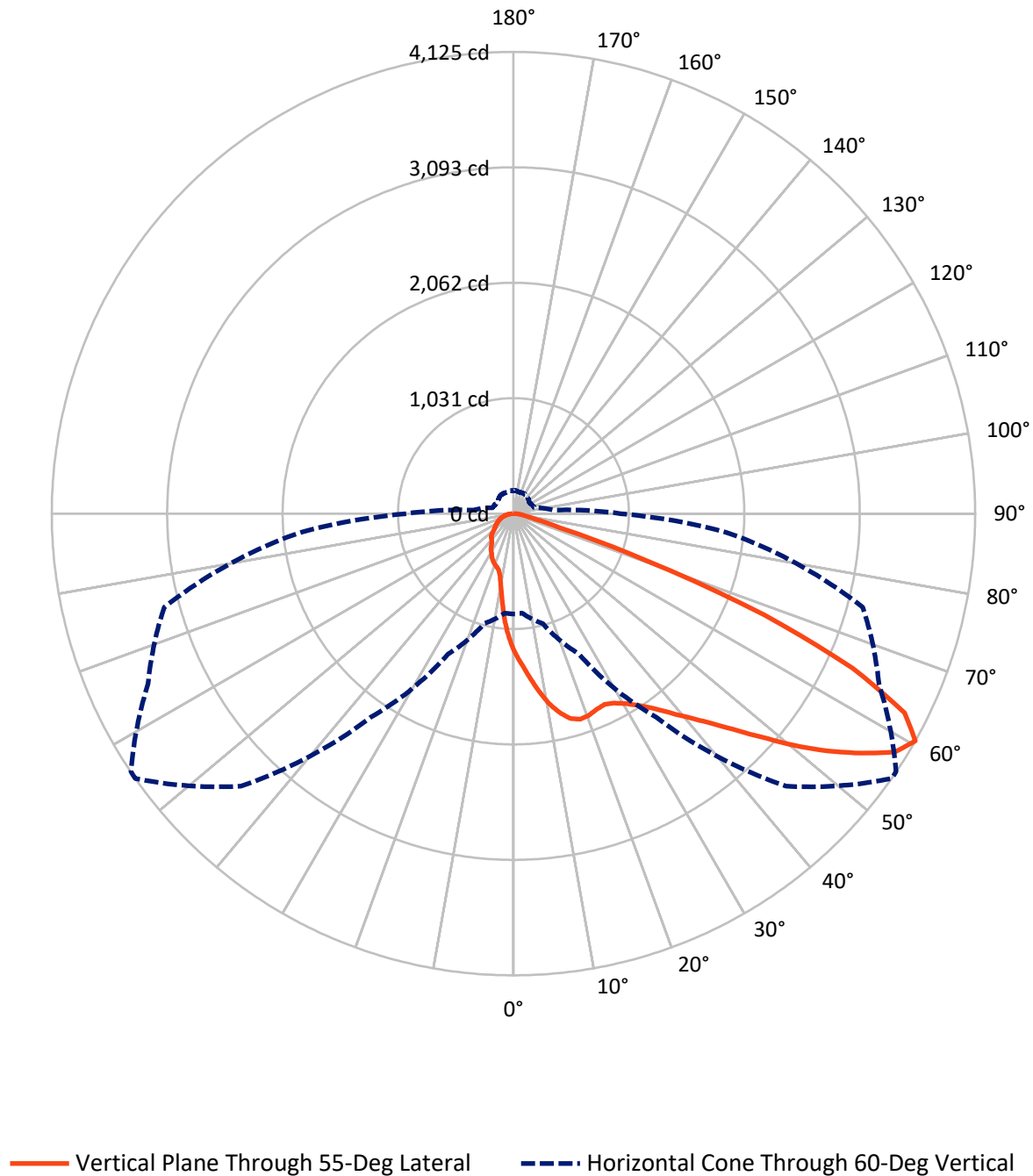


Based on 15 foot mounting height. Maximum calculated value = 7.7 fc

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	801.2	0.0	801.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4772.1	0.0	4772.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	5573.3	0.0	5573.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	2.1
10°-20°	327.7	5.9
20°-30°	533.6	9.6
30°-40°	797.5	14.3
40°-50°	1172.1	21.0
50°-60°	1373.8	24.6
60°-70°	905.8	16.3
70°-80°	288.4	5.2
80°-90°	58.6	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°	5573.3	100.0
0°-180°	5573.3	100.0

Coefficient of Utilization



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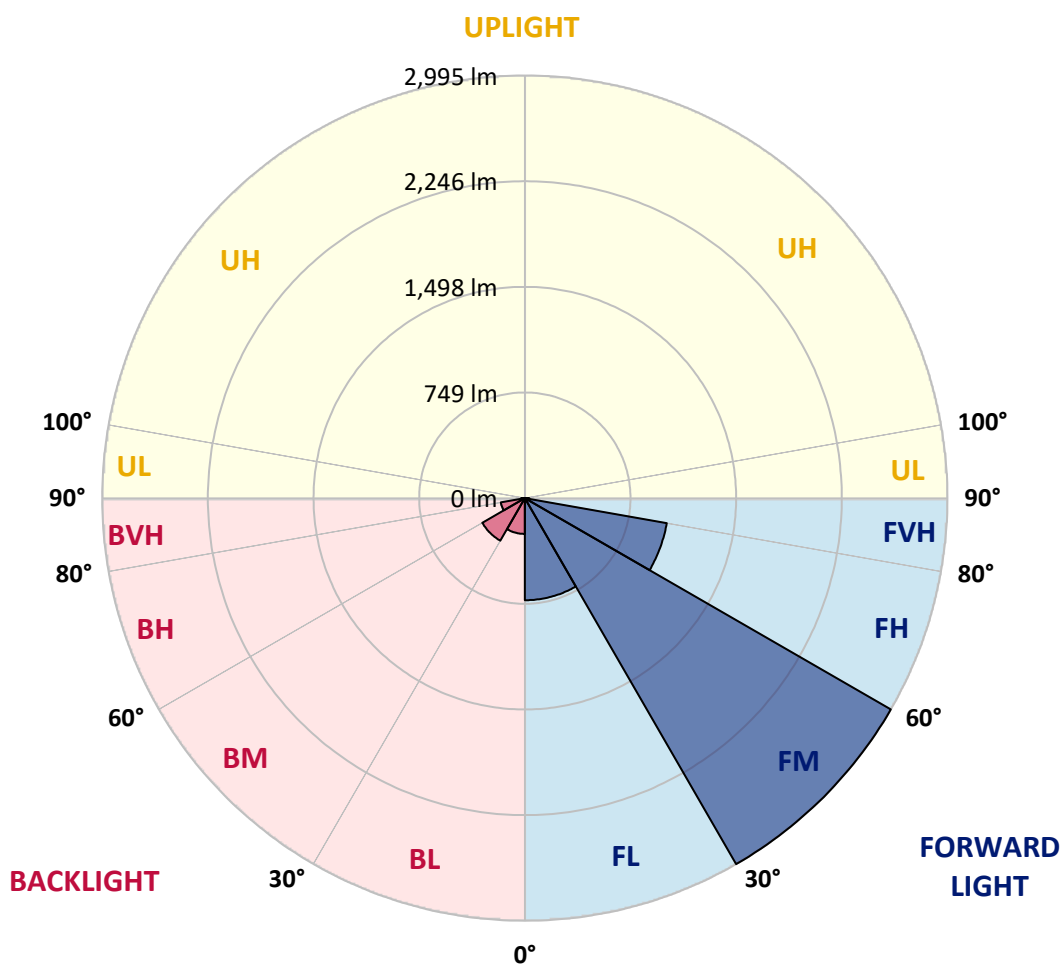
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	723.4	13.0			
FM	(30°-60°)	2995.2	53.7			
FH	(60°-80°)	1021.4	18.3			G1/1800
FVH	(80°-90°)	32.2	0.6			G1/100
BL	(0°-30°)	253.6	4.6	B1/500		
BM	(30°-60°)	348.2	6.2	B1/1000		
BH	(60°-80°)	172.9	3.1	B1/500		G1/500
BVH	(80°-90°)	26.5	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°	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0
2.5°	1438.4	1433.2	1433.2	1419.8	1400.0	1372.6	1339.9	1331.8	1319.2	1287.3	1246.1
5°	1657.7	1652.1	1644.4	1621.0	1584.2	1529.3	1460.2	1447.7	1402.9	1337.0	1262.7
7.5°	1802.8	1799.5	1797.1	1776.9	1740.6	1686.4	1593.9	1579.8	1503.8	1394.8	1278.5
10°	1787.8	1797.5	1814.5	1828.6	1835.9	1808.0	1721.2	1704.6	1610.5	1461.8	1301.9
12.5°	1647.6	1661.4	1692.9	1750.7	1817.3	1871.0	1821.7	1812.5	1724.4	1532.9	1331.4
15°	1543.4	1549.1	1564.4	1607.3	1706.6	1850.0	1899.7	1891.2	1830.6	1624.2	1365.3
17.5°	1511.1	1513.5	1517.2	1531.3	1599.2	1768.0	1931.6	1939.7	1933.6	1719.1	1403.7
20°	1527.3	1528.9	1529.3	1531.7	1564.0	1699.4	1923.1	1936.9	2024.1	1814.1	1441.6
22.5°	1589.5	1587.5	1584.6	1575.3	1593.5	1687.2	1900.5	1922.3	2094.0	1900.5	1476.8
25°	1698.1	1695.3	1675.5	1656.1	1663.8	1730.9	1888.4	1911.8	2148.5	1982.1	1502.6
27.5°	1827.4	1824.6	1804.4	1767.6	1759.5	1803.6	1916.7	1931.2	2188.5	2054.4	1513.9
30°	1961.5	1961.5	1936.5	1894.0	1868.2	1886.8	1968.8	1980.5	2218.8	2124.3	1521.2
32.5°	2107.7	2111.8	2073.0	2024.5	1995.8	1984.9	2041.9	2052.0	2262.8	2206.7	1536.6
35°	2295.6	2286.7	2239.4	2175.6	2129.5	2104.9	2132.4	2144.1	2327.5	2309.3	1561.2
37.5°	2506.8	2491.1	2432.9	2356.6	2276.2	2235.0	2253.1	2256.0	2423.2	2443.0	1606.0
40°	2681.3	2678.5	2629.2	2556.9	2455.5	2400.2	2391.3	2392.9	2556.1	2601.3	1673.9
42.5°	2828.3	2817.8	2809.0	2783.5	2676.1	2585.2	2548.8	2549.2	2700.3	2764.9	1742.2
45°	2893.4	2891.4	2917.6	2983.1	2905.9	2798.9	2747.2	2754.4	2865.5	2933.0	1808.0
47.5°	2865.5	2867.1	2937.4	3109.1	3154.7	3072.7	2981.0	2976.6	3025.5	3061.8	1866.2
50°	2616.7	2642.9	2833.2	3120.8	3317.9	3358.7	3255.3	3238.7	3165.6	3164.4	1901.7
52.5°	2428.9	2427.6	2544.4	3001.6	3375.7	3616.8	3523.9	3486.8	3281.6	3222.2	1904.6
55°	2175.2	2173.6	2260.4	2653.0	3261.0	3797.0	3777.2	3730.7	3387.8	3241.2	1885.2
57.5°	1647.2	1677.9	1764.4	2123.9	2897.4	3768.3	4019.1	3980.4	3491.6	3232.7	1881.5
60°	896.3	892.7	1017.9	1384.3	2218.4	3442.7	4124.6	4122.6	3601.9	3229.5	1903.7
62.5°	413.2	409.2	434.2	616.4	1272.0	2758.1	3921.0	3950.1	3704.1	3200.0	1901.7
65°	309.0	298.5	264.6	286.8	486.7	1646.4	3330.4	3408.0	3546.5	3078.8	1813.7
67.5°	275.5	265.4	225.8	211.7	244.4	580.9	2415.9	2487.4	2965.7	2851.8	1671.1
70°	252.5	243.6	204.0	181.8	183.4	257.3	1264.7	1405.3	2173.6	2380.0	1424.3
72.5°	230.2	222.6	186.6	160.0	154.3	170.1	431.0	519.9	1352.0	1734.5	1061.9
75°	206.8	199.5	168.0	143.4	132.5	126.0	205.2	221.0	715.0	957.7	570.0
77.5°	179.8	175.7	149.9	126.4	117.1	95.3	136.5	143.4	306.2	376.1	271.4
80°	156.3	153.1	133.7	114.7	105.0	73.5	94.1	99.0	151.1	187.8	151.9
82.5°	101.8	109.9	110.7	98.6	92.5	59.0	62.2	65.8	100.2	110.7	66.2
85°	42.0	50.9	76.3	67.9	64.2	50.1	41.2	42.0	61.4	64.6	23.8
87.5°	19.0	21.0	37.6	38.0	33.1	19.0	20.6	22.6	31.5	31.1	10.5
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°	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0	1236.0
2.5°	1234.8	1216.2	1183.1	1140.7	1110.4	1088.2	1064.0	1046.2	1026.4	1009.0	1011.9
5°	1232.0	1196.0	1121.7	1043.0	966.2	903.2	850.7	811.9	771.9	756.2	754.1
7.5°	1234.4	1173.4	1051.4	922.6	805.8	725.5	664.5	627.7	604.7	591.4	592.2
10°	1233.6	1152.0	975.5	797.8	670.1	596.6	559.4	547.3	545.3	546.9	549.4
12.5°	1234.8	1122.9	890.3	685.5	572.8	535.2	536.8	547.7	554.6	559.0	561.9
15°	1240.1	1099.1	803.0	597.0	521.9	523.1	540.5	557.4	567.5	572.4	574.8
17.5°	1247.8	1069.2	725.5	530.0	500.5	519.1	541.7	559.9	567.5	570.4	572.4
20°	1248.6	1034.9	647.1	483.9	486.3	510.6	530.4	544.9	554.6	557.8	559.4
22.5°	1244.9	988.4	566.7	450.4	470.2	494.4	511.4	527.9	515.0	504.5	501.7
25°	1229.6	929.9	498.1	422.9	450.0	472.6	492.0	473.8	467.8	459.7	460.5
27.5°	1196.5	856.7	433.4	397.1	426.2	458.5	444.3	441.9	434.2	426.2	426.2
30°	1152.8	779.6	379.3	370.0	397.5	413.6	416.9	413.2	408.8	398.3	399.1
32.5°	1113.6	698.0	340.9	347.4	379.3	379.3	393.4	393.4	377.3	347.8	347.8
35°	1074.9	621.3	312.6	328.4	349.4	356.3	375.7	350.2	327.2	313.9	313.0
37.5°	1044.6	555.8	294.1	312.2	320.3	337.7	338.1	319.5	311.8	299.7	298.5
40°	1026.8	500.9	282.8	304.2	305.0	321.1	294.5	299.7	298.1	288.8	287.6
42.5°	1017.1	458.5	274.3	297.3	293.3	277.5	272.7	281.5	284.4	279.5	277.5
45°	1009.4	425.3	267.4	273.5	284.0	255.3	253.3	260.1	266.2	265.8	264.2
47.5°	1005.4	402.3	261.3	258.5	260.5	242.0	237.9	241.1	248.8	253.7	253.3
50°	989.6	384.5	252.5	243.2	230.2	230.2	228.2	228.2	237.5	247.2	248.0
52.5°	961.8	363.5	239.5	228.6	213.7	220.1	221.0	219.3	229.0	239.5	240.3
55°	931.1	347.8	222.2	215.3	199.9	210.9	214.5	212.9	219.3	226.6	226.2
57.5°	931.5	347.4	207.2	202.0	187.0	199.1	208.0	208.4	208.0	213.3	213.3
60°	954.9	355.5	195.5	184.2	172.1	186.6	201.2	201.2	198.3	206.0	206.8
62.5°	961.8	354.7	188.2	167.2	158.7	175.3	191.1	193.5	191.5	202.4	203.6
65°	901.2	335.7	181.0	151.9	146.6	162.8	178.5	185.4	183.4	197.5	199.1
67.5°	817.2	311.0	169.7	138.1	134.1	150.7	165.6	172.9	172.5	191.1	191.9
70°	704.5	280.7	155.5	124.0	122.0	136.5	149.9	157.5	161.2	182.6	182.2
72.5°	545.7	240.7	134.1	109.1	108.7	122.0	133.7	142.2	149.1	169.7	169.7
75°	351.8	189.4	109.5	94.5	92.9	105.4	117.5	127.2	148.2	181.0	180.6
77.5°	214.9	144.6	88.1	78.8	78.4	89.7	101.8	118.4	162.0	161.2	156.7
80°	128.9	103.8	70.3	63.0	63.0	73.5	86.8	126.8	134.5	153.5	145.0
82.5°	67.1	63.8	52.5	46.5	48.5	57.8	79.2	101.4	109.9	93.3	85.6
85°	27.5	33.9	32.3	29.5	30.7	40.0	76.3	81.2	65.0	68.3	68.7
87.5°	9.3	14.9	14.9	11.7	12.9	28.3	45.2	27.1	32.7	19.4	14.5
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)