

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: P671948

Luminaire Tested: **CCP-SA-1E-730-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671948
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6282.8 lumens
Efficiency: N/A
Efficacy: 112.0 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): 56.1
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

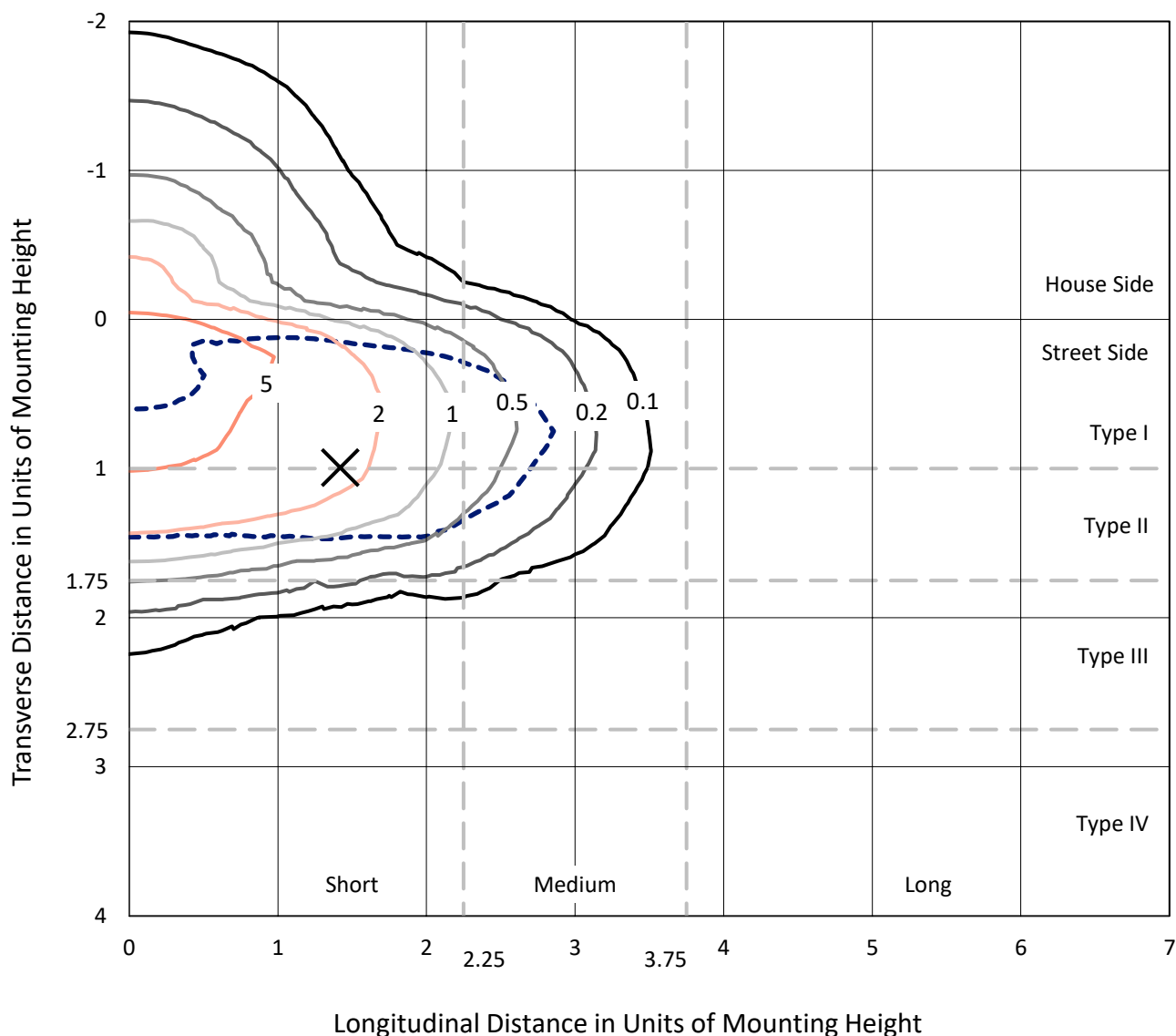
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

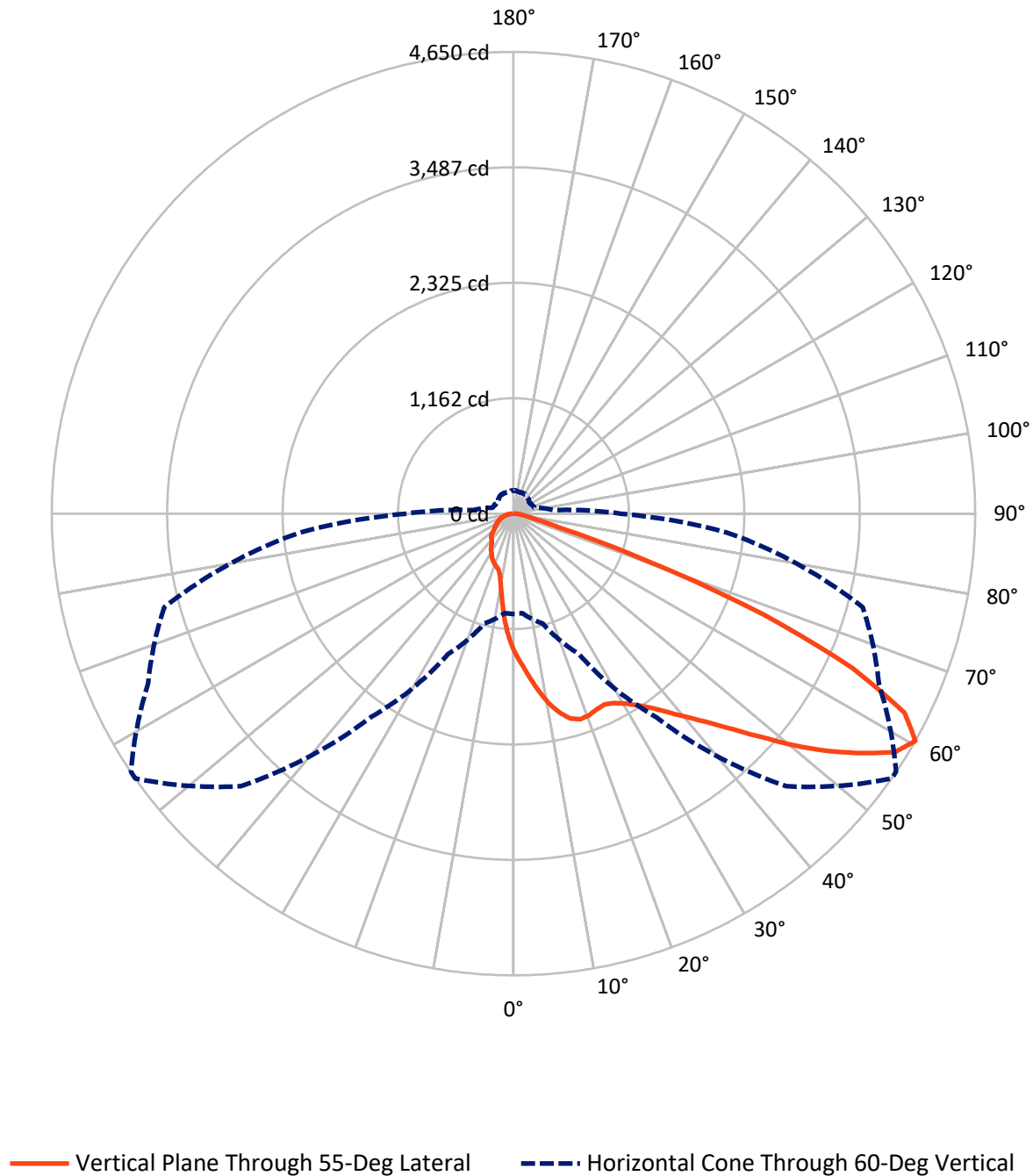


Based on 15 foot mounting height. Maximum calculated value = 8.7 fc

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	903.2	0.0	903.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5379.6	0.0	5379.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	6282.8	0.0	6282.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	2.1
10°-20°	369.4	5.9
20°-30°	601.5	9.6
30°-40°	899.0	14.3
40°-50°	1321.3	21.0
50°-60°	1548.7	24.6
60°-70°	1021.1	16.3
70°-80°	325.1	5.2
80°-90°	66.1	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°	6282.8	100.0
0°-180°	6282.8	100.0

Coefficient of Utilization



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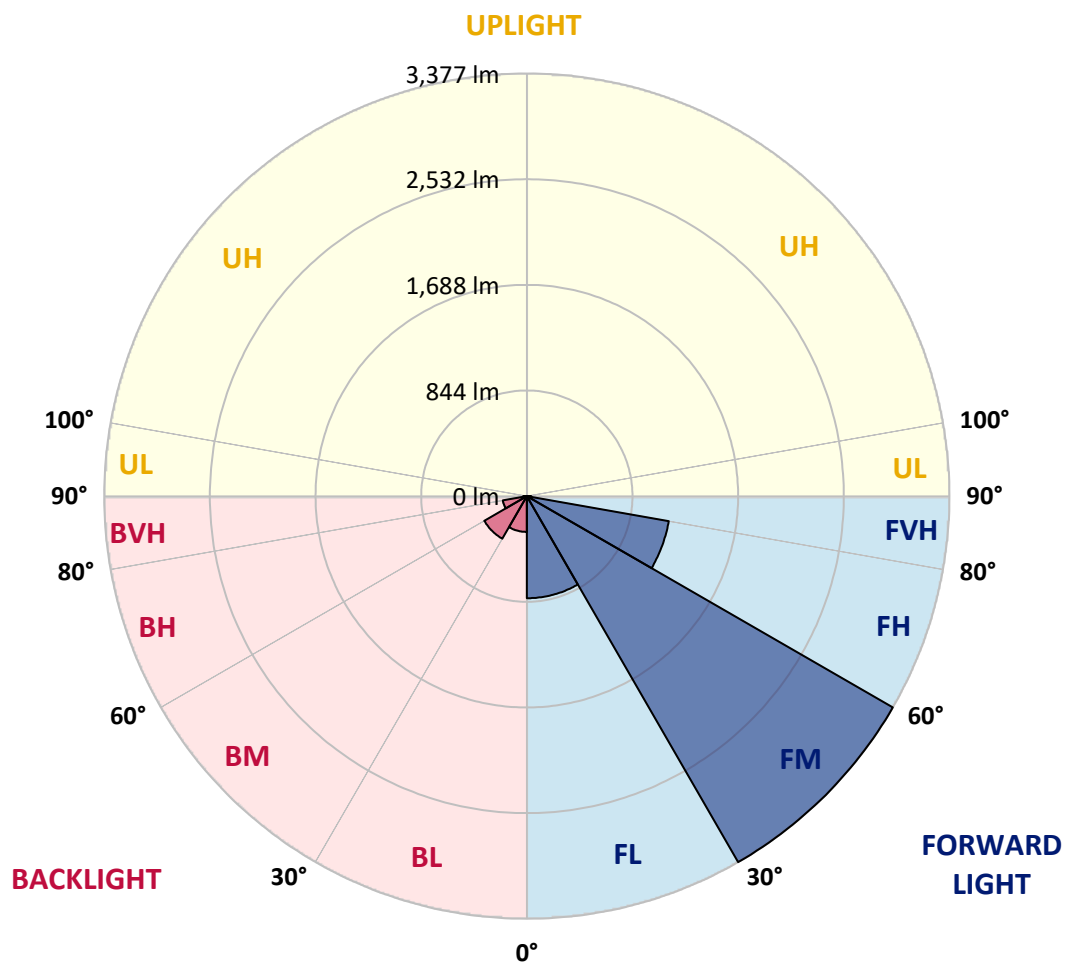
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	815.4	13.0			
FM	(30°-60°)	3376.5	53.7			
FH	(60°-80°)	1151.4	18.3			G1/1800
FVH	(80°-90°)	36.3	0.6			G1/100
BL	(0°-30°)	285.9	4.6	B1/500		
BM	(30°-60°)	392.5	6.2	B1/1000		
BH	(60°-80°)	194.9	3.1	B1/500		G1/500
BVH	(80°-90°)	29.8	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°	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4
2.5°	1621.5	1615.6	1615.6	1600.6	1578.3	1547.3	1510.4	1501.3	1487.2	1451.2	1404.8
5°	1868.8	1862.4	1853.7	1827.3	1785.9	1724.0	1646.1	1632.0	1581.4	1507.2	1423.4
7.5°	2032.2	2028.6	2025.9	2003.1	1962.1	1901.1	1796.8	1780.9	1695.3	1572.3	1441.2
10°	2015.4	2026.3	2045.4	2061.4	2069.6	2038.2	1940.3	1921.6	1815.5	1647.9	1467.6
12.5°	1857.4	1872.9	1908.4	1973.5	2048.6	2109.2	2053.6	2043.2	1943.9	1728.1	1500.8
15°	1739.9	1746.3	1763.6	1811.8	1923.9	2085.5	2141.5	2132.0	2063.7	1831.0	1539.1
17.5°	1703.5	1706.2	1710.3	1726.2	1802.7	1993.1	2177.5	2186.6	2179.8	1938.0	1582.3
20°	1721.7	1723.5	1724.0	1726.7	1763.1	1915.7	2167.9	2183.4	2281.8	2045.0	1625.2
22.5°	1791.8	1789.5	1786.3	1775.9	1796.4	1902.0	2142.4	2167.0	2360.5	2142.4	1664.8
25°	1914.3	1911.1	1888.8	1866.9	1875.6	1951.2	2128.8	2155.2	2422.0	2234.4	1693.9
27.5°	2060.0	2056.8	2034.1	1992.6	1983.5	2033.1	2160.6	2177.0	2467.1	2315.9	1706.7
30°	2211.2	2211.2	2183.0	2135.1	2106.0	2127.0	2219.4	2232.6	2501.3	2394.7	1714.9
32.5°	2376.0	2380.6	2336.9	2282.2	2249.9	2237.6	2301.8	2313.2	2550.9	2487.6	1732.2
35°	2587.8	2577.7	2524.5	2452.5	2400.6	2372.8	2403.8	2417.0	2623.7	2603.2	1759.9
37.5°	2825.9	2808.2	2742.6	2656.5	2565.9	2519.5	2540.0	2543.1	2731.7	2754.0	1810.5
40°	3022.6	3019.4	2963.9	2882.4	2768.1	2705.7	2695.7	2697.5	2881.5	2932.5	1887.0
42.5°	3188.4	3176.5	3166.5	3137.8	3016.7	2914.3	2873.3	2873.7	3044.0	3116.9	1963.9
45°	3261.7	3259.4	3289.0	3362.8	3275.8	3155.1	3096.9	3105.0	3230.3	3306.3	2038.2
47.5°	3230.3	3232.1	3311.3	3504.8	3556.3	3463.9	3360.5	3355.5	3410.6	3451.6	2103.7
50°	2949.8	2979.4	3193.8	3518.1	3740.3	3786.3	3669.7	3651.0	3568.6	3567.2	2143.8
52.5°	2738.0	2736.7	2868.3	3383.7	3805.4	4077.2	3972.5	3930.6	3699.3	3632.3	2147.0
55°	2452.1	2450.3	2548.2	2990.8	3676.1	4280.3	4258.0	4205.6	3819.0	3653.7	2125.1
57.5°	1856.9	1891.5	1989.0	2394.2	3266.2	4248.0	4530.8	4487.0	3936.1	3644.2	2121.0
60°	1010.4	1006.3	1147.5	1560.5	2500.8	3881.0	4649.6	4647.3	4060.4	3640.5	2146.1
62.5°	465.8	461.3	489.5	694.9	1433.9	3109.1	4420.1	4452.9	4175.6	3607.3	2143.8
65°	348.3	336.5	298.3	323.3	548.7	1856.0	3754.4	3841.8	3998.0	3470.7	2044.5
67.5°	310.6	299.2	254.5	238.6	275.5	654.8	2723.5	2804.1	3343.2	3214.8	1883.8
70°	284.6	274.6	230.0	204.9	206.7	290.1	1425.7	1584.2	2450.3	2682.9	1605.6
72.5°	259.6	250.9	210.4	180.3	173.9	191.7	485.9	586.0	1524.1	1955.3	1197.1
75°	233.1	224.9	189.4	161.7	149.4	142.1	231.3	249.1	806.0	1079.6	642.5
77.5°	202.6	198.1	168.9	142.5	132.1	107.5	153.9	161.7	345.2	423.9	306.0
80°	176.2	172.6	150.7	129.3	118.4	82.9	106.1	111.6	170.3	211.7	171.2
82.5°	114.7	123.9	124.8	111.1	104.3	66.5	70.1	74.2	112.9	124.8	74.7
85°	47.4	57.4	86.1	76.5	72.4	56.5	46.4	47.4	69.2	72.9	26.9
87.5°	21.4	23.7	42.3	42.8	37.3	21.4	23.2	25.5	35.5	35.1	11.8
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°	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4
2.5°	1392.0	1371.1	1333.7	1285.9	1251.8	1226.7	1199.4	1179.4	1157.1	1137.5	1140.7
5°	1388.8	1348.3	1264.5	1175.7	1089.2	1018.2	959.0	915.3	870.2	852.4	850.1
7.5°	1391.6	1322.8	1185.3	1040.0	908.4	817.8	749.1	707.6	681.7	666.6	667.5
10°	1390.6	1298.7	1099.7	899.3	755.4	672.6	630.7	617.0	614.7	616.5	619.3
12.5°	1392.0	1265.9	1003.6	772.7	645.7	603.3	605.2	617.5	625.2	630.2	633.4
15°	1397.9	1239.0	905.2	673.0	588.3	589.7	609.3	628.4	639.8	645.2	648.0
17.5°	1406.6	1205.3	817.8	597.4	564.2	585.1	610.6	631.1	639.8	643.0	645.2
20°	1407.5	1166.6	729.5	545.5	548.2	575.6	597.9	614.3	625.2	628.8	630.7
22.5°	1403.4	1114.2	638.9	507.7	530.0	557.4	576.5	595.1	580.6	568.7	565.5
25°	1386.1	1048.2	561.4	476.8	507.3	532.8	554.6	534.1	527.3	518.2	519.1
27.5°	1348.8	965.8	488.6	447.6	480.4	516.8	500.9	498.2	489.5	480.4	480.4
30°	1299.6	878.8	427.6	417.1	448.1	466.3	469.9	465.8	460.8	449.0	449.9
32.5°	1255.4	786.8	384.3	391.6	427.6	427.6	443.5	443.5	425.3	392.1	392.1
35°	1211.7	700.3	352.4	370.2	393.9	401.6	423.5	394.8	368.8	353.8	352.9
37.5°	1177.5	626.6	331.5	352.0	361.1	380.7	381.1	360.2	351.5	337.9	336.5
40°	1157.5	564.6	318.7	342.9	343.8	362.0	332.0	337.9	336.1	325.6	324.2
42.5°	1146.6	516.8	309.2	335.1	330.6	312.8	307.4	317.4	320.6	315.1	312.8
45°	1137.9	479.5	301.4	308.3	320.1	287.8	285.5	293.2	300.1	299.6	297.8
47.5°	1133.4	453.5	294.6	291.4	293.7	272.8	268.2	271.8	280.5	286.0	285.5
50°	1115.6	433.5	284.6	274.1	259.6	259.6	257.3	257.3	267.7	278.7	279.6
52.5°	1084.2	409.8	270.0	257.7	240.9	248.2	249.1	247.3	258.2	270.0	270.9
55°	1049.6	392.1	250.4	242.7	225.4	237.7	241.8	240.0	247.3	255.5	255.0
57.5°	1050.0	391.6	233.6	227.7	210.8	224.5	234.5	235.0	234.5	240.4	240.4
60°	1076.5	400.7	220.4	207.6	194.0	210.4	226.8	226.8	223.6	232.2	233.1
62.5°	1084.2	399.8	212.2	188.5	179.0	197.6	215.4	218.1	215.8	228.1	229.5
65°	1015.9	378.4	204.0	171.2	165.3	183.5	201.3	209.0	206.7	222.7	224.5
67.5°	921.2	350.6	191.2	155.7	151.2	169.8	186.7	194.9	194.4	215.4	216.3
70°	794.1	316.5	175.3	139.8	137.5	153.9	168.9	177.6	181.7	205.8	205.4
72.5°	615.2	271.4	151.2	122.9	122.5	137.5	150.7	160.3	168.0	191.2	191.2
75°	396.6	213.6	123.4	106.6	104.7	118.8	132.5	143.4	167.1	204.0	203.5
77.5°	242.2	163.0	99.3	88.8	88.3	101.1	114.7	133.4	182.6	181.7	176.7
80°	145.3	117.0	79.2	71.0	71.0	82.9	97.9	143.0	151.6	173.0	163.5
82.5°	75.6	71.9	59.2	52.4	54.6	65.1	89.2	114.3	123.9	105.2	96.5
85°	31.0	38.2	36.4	33.2	34.6	45.1	86.1	91.5	73.3	77.0	77.4
87.5°	10.5	16.8	16.8	13.2	14.6	31.9	51.0	30.5	36.9	21.9	16.4
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)