

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: P672047

Luminaire Tested: **CCP-SA-1E-850-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672047
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-850-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6020.6 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

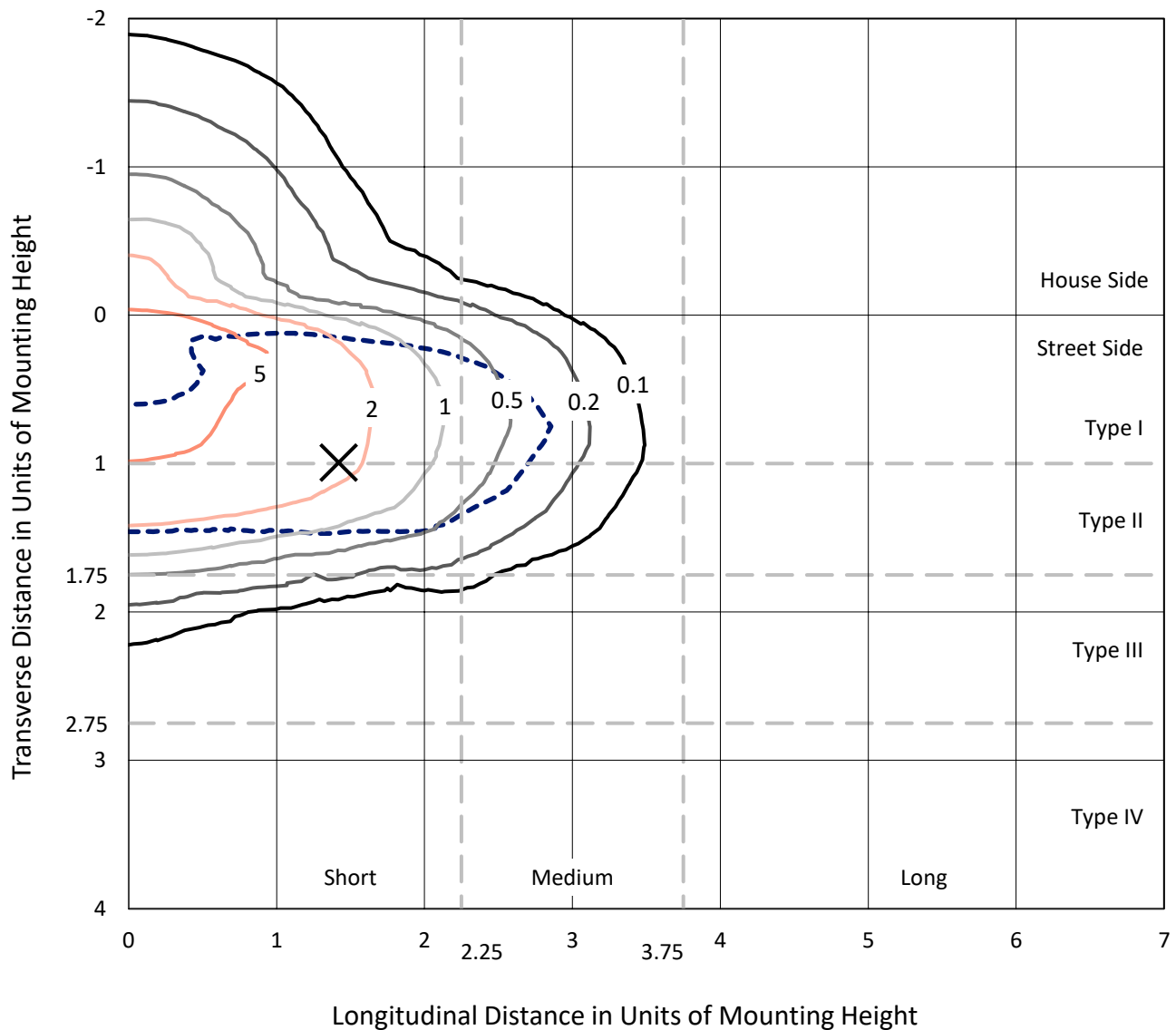
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

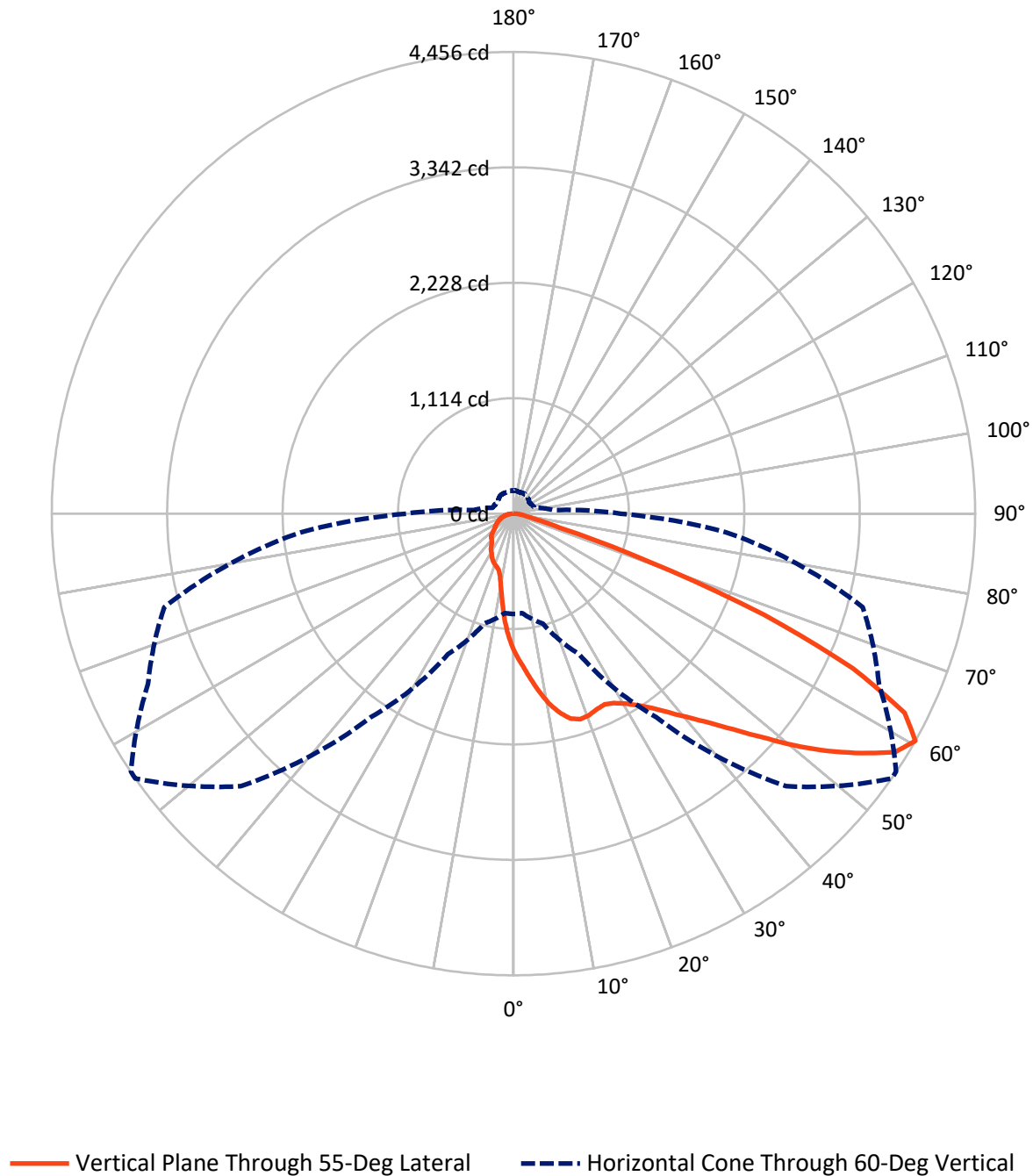
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 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	865.5	0.0	865.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5155.1	0.0	5155.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	6020.6	0.0	6020.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	2.1
10°-20°	354.0	5.9
20°-30°	576.4	9.6
30°-40°	861.5	14.3
40°-50°	1266.2	21.0
50°-60°	1484.1	24.6
60°-70°	978.5	16.3
70°-80°	311.6	5.2
80°-90°	63.4	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°	6020.6	100.0
0°-180°	6020.6	100.0

Coefficient of Utilization



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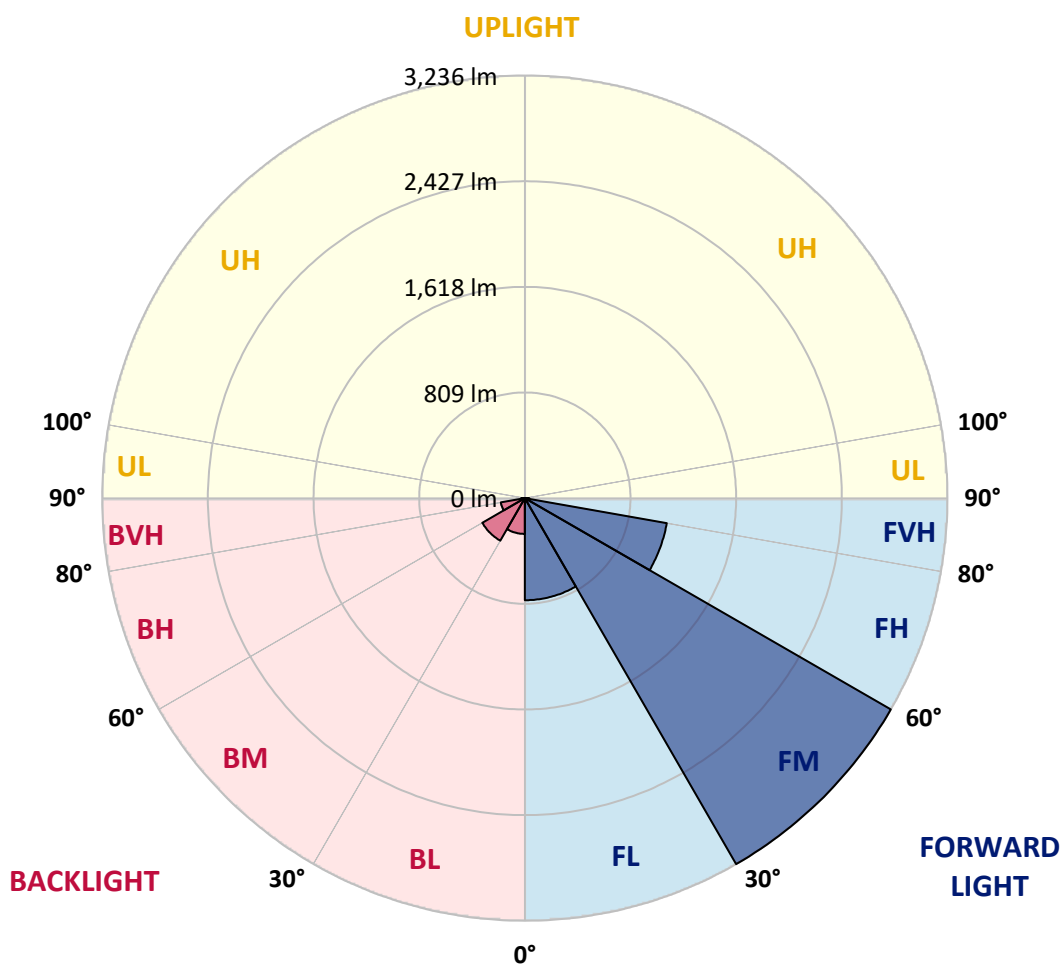
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.4	13.0			
FM	(30°-60°)	3235.6	53.7			
FH	(60°-80°)	1103.3	18.3			G1/1800
FVH	(80°-90°)	34.8	0.6			G1/100
BL	(0°-30°)	274.0	4.6	B1/500		
BM	(30°-60°)	376.2	6.2	B1/1000		
BH	(60°-80°)	186.8	3.1	B1/500		G1/500
BVH	(80°-90°)	28.6	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°	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2
2.5°	1553.8	1548.2	1548.2	1533.8	1512.4	1482.7	1447.4	1438.6	1425.1	1390.6	1346.1
5°	1790.8	1784.7	1776.4	1751.1	1711.4	1652.0	1577.4	1563.9	1515.4	1444.3	1364.0
7.5°	1947.4	1943.9	1941.3	1919.5	1880.2	1821.8	1721.8	1706.6	1624.5	1506.7	1381.0
10°	1931.3	1941.8	1960.1	1975.4	1983.2	1953.1	1859.3	1841.4	1739.7	1579.2	1406.4
12.5°	1779.9	1794.7	1828.7	1891.1	1963.1	2021.2	1967.9	1957.9	1862.8	1655.9	1438.2
15°	1667.3	1673.4	1690.0	1736.2	1843.6	1998.5	2052.2	2043.0	1977.5	1754.6	1474.9
17.5°	1632.4	1635.0	1638.9	1654.2	1727.5	1909.9	2086.6	2095.4	2088.8	1857.1	1516.3
20°	1649.8	1651.6	1652.0	1654.6	1689.5	1835.7	2077.5	2092.3	2186.6	1959.6	1557.3
22.5°	1717.0	1714.9	1711.8	1701.8	1721.4	1822.6	2053.0	2076.6	2262.0	2053.0	1595.3
25°	1834.4	1831.4	1810.0	1789.0	1797.3	1869.8	2039.9	2065.2	2320.9	2141.2	1623.2
27.5°	1974.0	1971.0	1949.2	1909.5	1900.7	1948.3	2070.5	2086.2	2364.1	2219.3	1635.4
30°	2118.9	2118.9	2091.9	2046.0	2018.1	2038.2	2126.8	2139.4	2396.9	2294.8	1643.3
32.5°	2276.9	2281.2	2239.3	2187.0	2156.0	2144.2	2205.8	2216.7	2444.4	2383.8	1659.9
35°	2479.8	2470.2	2419.1	2350.2	2300.4	2273.8	2303.5	2316.1	2514.2	2494.6	1686.5
37.5°	2708.0	2691.0	2628.1	2545.7	2458.8	2414.3	2434.0	2437.0	2617.7	2639.0	1734.9
40°	2896.5	2893.4	2840.2	2762.1	2652.6	2592.8	2583.2	2584.9	2761.2	2810.1	1808.2
42.5°	3055.3	3044.0	3034.4	3006.9	2890.8	2792.6	2753.4	2753.8	2917.0	2986.8	1882.0
45°	3125.6	3123.4	3151.8	3222.4	3139.1	3023.5	2967.6	2975.5	3095.5	3168.3	1953.1
47.5°	3095.5	3097.2	3173.1	3358.6	3407.9	3319.3	3220.3	3215.5	3268.3	3307.5	2015.9
50°	2826.7	2855.0	3060.6	3371.2	3584.2	3628.3	3516.5	3498.7	3419.7	3418.4	2054.3
52.5°	2623.8	2622.5	2748.6	3242.5	3646.6	3907.1	3806.7	3766.6	3544.9	3480.8	2057.4
55°	2349.7	2348.0	2441.8	2865.9	3522.7	4101.7	4080.3	4030.1	3659.7	3501.3	2036.4
57.5°	1779.4	1812.6	1906.0	2294.3	3129.9	4070.7	4341.7	4299.8	3771.8	3492.1	2032.5
60°	968.3	964.3	1099.6	1495.4	2396.4	3719.0	4455.6	4453.4	3890.9	3488.6	2056.5
62.5°	446.4	442.0	469.1	665.9	1374.1	2979.4	4235.7	4267.1	4001.3	3456.8	2054.3
65°	333.8	322.5	285.8	309.8	525.8	1778.6	3597.7	3681.5	3831.2	3325.9	1959.2
67.5°	297.6	286.7	243.9	228.6	264.0	627.5	2609.8	2687.0	3203.7	3080.6	1805.2
70°	272.7	263.1	220.4	196.4	198.1	278.0	1366.2	1518.1	2348.0	2571.0	1538.6
72.5°	248.7	240.4	201.6	172.8	166.7	183.7	465.6	561.6	1460.5	1873.7	1147.2
75°	223.4	215.6	181.5	154.9	143.1	136.1	221.7	238.7	772.3	1034.6	615.7
77.5°	194.2	189.8	161.9	136.6	126.5	103.0	147.5	154.9	330.8	406.2	293.2
80°	168.9	165.4	144.4	123.9	113.5	79.4	101.7	106.9	163.2	202.9	164.1
82.5°	110.0	118.7	119.6	106.5	99.9	63.7	67.2	71.1	108.2	119.6	71.6
85°	45.4	55.0	82.5	73.3	69.4	54.1	44.5	45.4	66.3	69.8	25.7
87.5°	20.5	22.7	40.6	41.0	35.8	20.5	22.3	24.4	34.0	33.6	11.3
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°	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2	1335.2
2.5°	1333.9	1313.9	1278.1	1232.3	1199.5	1175.5	1149.3	1130.1	1108.8	1090.0	1093.1
5°	1330.9	1292.0	1211.7	1126.7	1043.7	975.7	919.0	877.1	833.9	816.8	814.7
7.5°	1333.5	1267.6	1135.8	996.6	870.5	783.7	717.8	678.1	653.2	638.8	639.7
10°	1332.6	1244.5	1053.8	861.8	723.9	644.5	604.3	591.3	589.1	590.8	593.4
12.5°	1333.9	1213.1	961.7	740.5	618.7	578.2	579.9	591.7	599.1	603.9	607.0
15°	1339.6	1187.3	867.5	644.9	563.8	565.1	583.8	602.2	613.1	618.3	620.9
17.5°	1347.9	1155.0	783.7	572.5	540.6	560.7	585.1	604.8	613.1	616.1	618.3
20°	1348.8	1117.9	699.0	522.7	525.4	551.5	572.9	588.6	599.1	602.6	604.3
22.5°	1344.8	1067.7	612.2	486.5	507.9	534.1	552.4	570.3	556.3	545.0	541.9
25°	1328.3	1004.5	538.0	456.9	486.1	510.5	531.5	511.8	505.3	496.6	497.4
27.5°	1292.5	925.5	468.2	428.9	460.3	495.3	480.0	477.4	469.1	460.3	460.3
30°	1245.3	842.2	409.7	399.7	429.4	446.8	450.3	446.4	441.6	430.2	431.1
32.5°	1203.0	754.0	368.3	375.3	409.7	409.7	425.0	425.0	407.6	375.7	375.7
35°	1161.1	671.1	337.7	354.8	377.4	384.9	405.8	378.3	353.4	339.0	338.2
37.5°	1128.4	600.4	317.7	337.3	346.0	364.8	365.2	345.2	336.9	323.8	322.5
40°	1109.2	541.1	305.4	328.6	329.4	346.9	318.1	323.8	322.0	312.0	310.7
42.5°	1098.7	495.3	296.3	321.2	316.8	299.8	294.5	304.1	307.2	302.0	299.8
45°	1090.4	459.5	288.9	295.4	306.8	275.8	273.6	281.0	287.6	287.1	285.4
47.5°	1086.1	434.6	282.3	279.3	281.4	261.4	257.0	260.5	268.8	274.0	273.6
50°	1069.1	415.4	272.7	262.7	248.7	248.7	246.5	246.5	256.6	267.0	267.9
52.5°	1038.9	392.7	258.8	247.0	230.8	237.8	238.7	236.9	247.4	258.8	259.6
55°	1005.8	375.7	240.0	232.6	216.0	227.8	231.7	230.0	236.9	244.8	244.4
57.5°	1006.2	375.3	223.8	218.2	202.0	215.1	224.7	225.2	224.7	230.4	230.4
60°	1031.5	384.0	211.2	199.0	185.9	201.6	217.3	217.3	214.2	222.5	223.4
62.5°	1038.9	383.1	203.3	180.6	171.5	189.4	206.4	209.0	206.8	218.6	219.9
65°	973.5	362.6	195.5	164.1	158.4	175.8	192.9	200.3	198.1	213.4	215.1
67.5°	882.7	336.0	183.3	149.2	144.9	162.8	178.9	186.8	186.3	206.4	207.3
70°	761.0	303.3	168.0	134.0	131.8	147.5	161.9	170.2	174.1	197.2	196.8
72.5°	589.5	260.1	144.9	117.8	117.4	131.8	144.4	153.6	161.0	183.3	183.3
75°	380.1	204.6	118.3	102.1	100.4	113.9	127.0	137.5	160.1	195.5	195.0
77.5°	232.1	156.2	95.1	85.1	84.7	96.9	110.0	127.9	175.0	174.1	169.3
80°	139.2	112.1	75.9	68.1	68.1	79.4	93.8	137.0	145.3	165.8	156.6
82.5°	72.4	68.9	56.7	50.2	52.4	62.4	85.5	109.5	118.7	100.8	92.5
85°	29.7	36.7	34.9	31.9	33.2	43.2	82.5	87.7	70.3	73.7	74.2
87.5°	10.0	16.1	16.1	12.7	14.0	30.5	48.9	29.2	35.3	20.9	15.7
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)