

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: P671951

Luminaire Tested: **CCP-SA-2B-730-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671951
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6346.3 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

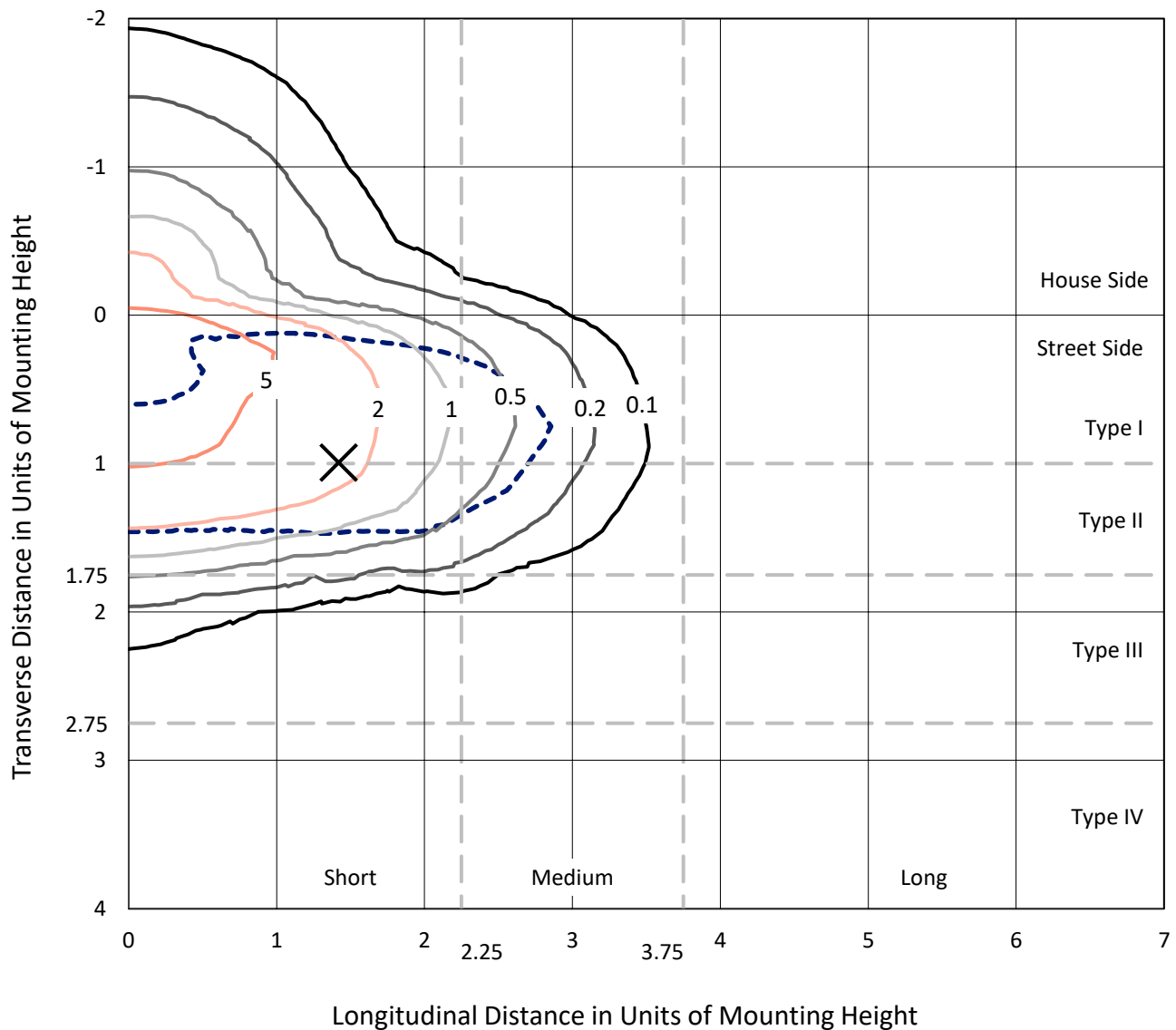
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

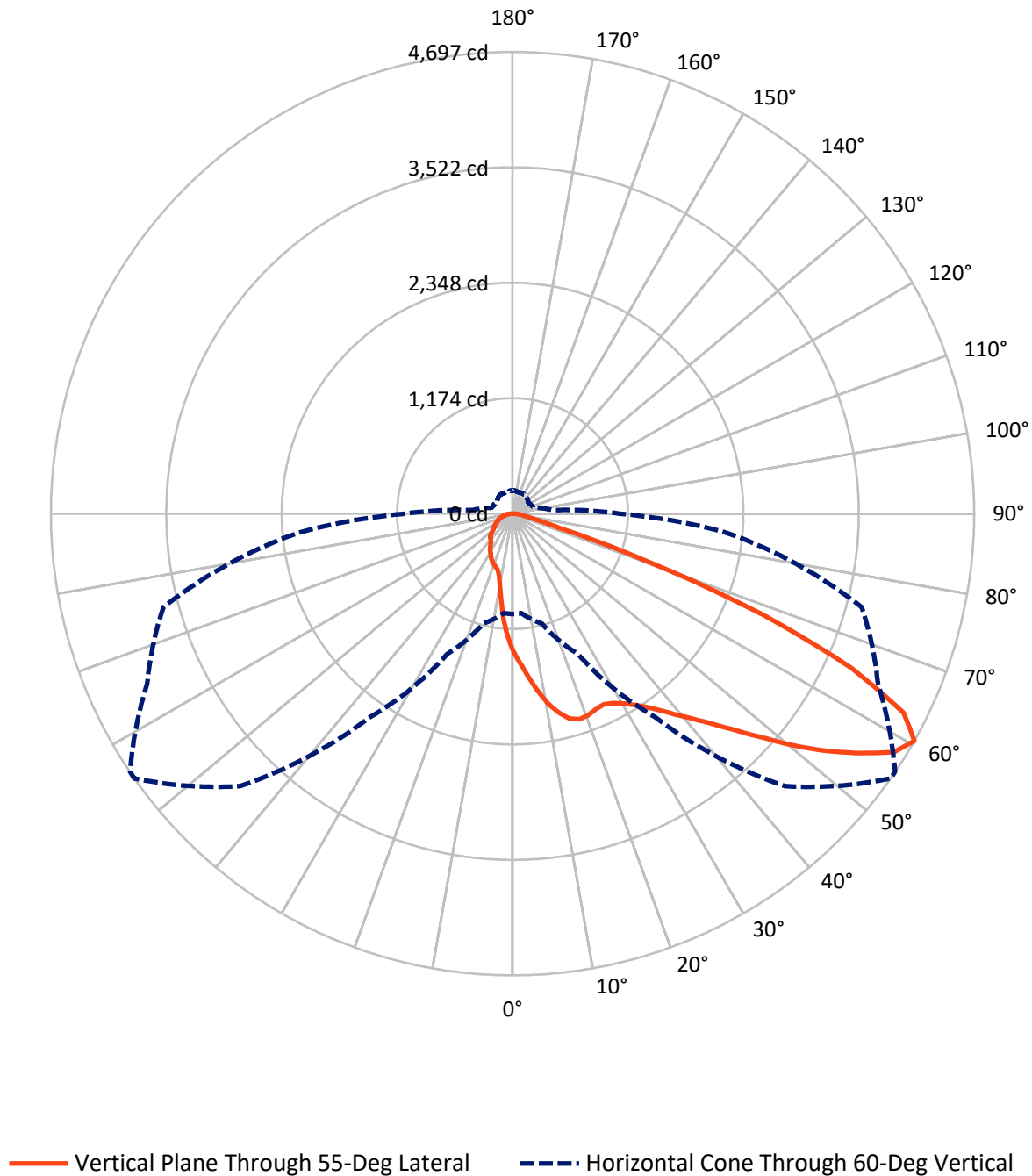
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 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	912.3	0.0	912.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5434.0	0.0	5434.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	6346.3	0.0	6346.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	2.1
10°-20°	373.2	5.9
20°-30°	607.6	9.6
30°-40°	908.1	14.3
40°-50°	1334.7	21.0
50°-60°	1564.4	24.6
60°-70°	1031.5	16.3
70°-80°	328.4	5.2
80°-90°	66.8	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°	6346.3	100.0
0°-180°	6346.3	100.0



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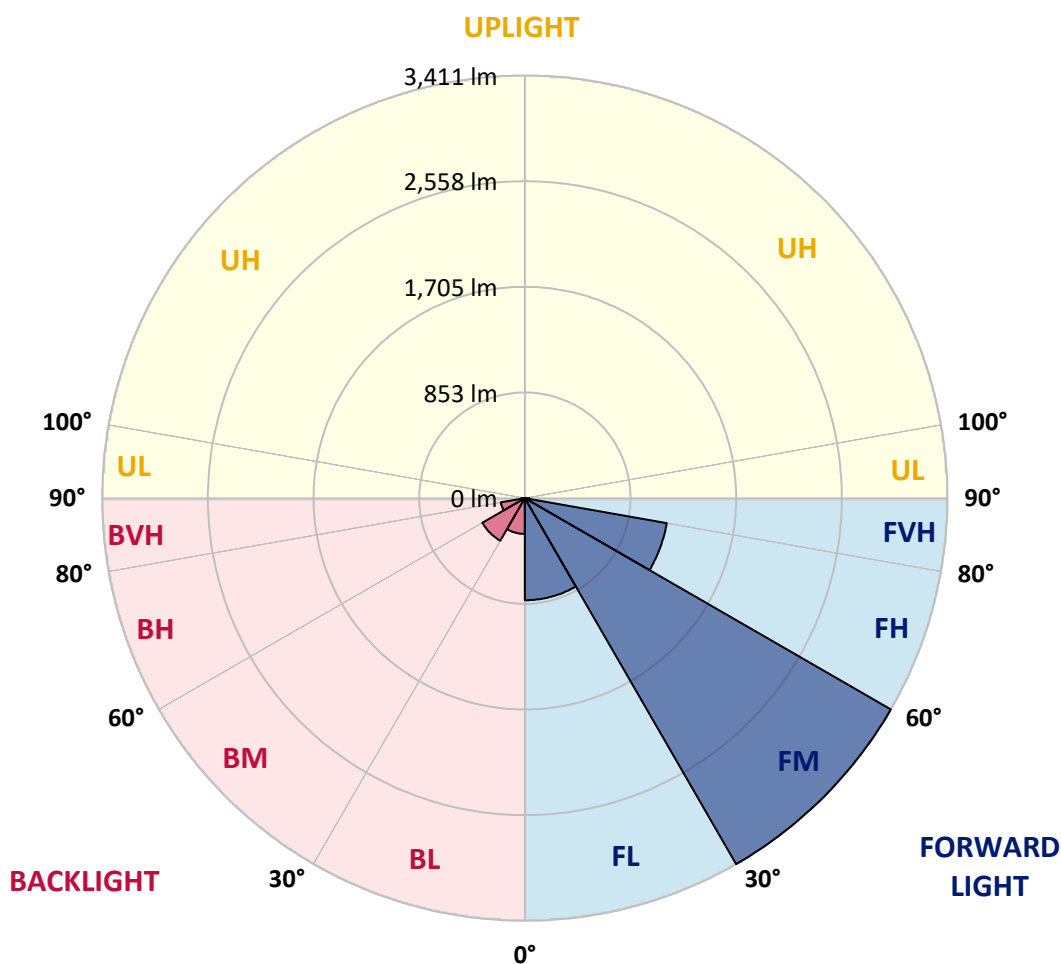
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	823.7	13.0			
FM	(30°-60°)	3410.7	53.7			
FH	(60°-80°)	1163.0	18.3			G1/1800
FVH	(80°-90°)	36.6	0.6			G1/100
BL	(0°-30°)	288.8	4.6	B1/500		
BM	(30°-60°)	396.5	6.2	B1/1000		
BH	(60°-80°)	196.9	3.1	B1/500		G1/500
BVH	(80°-90°)	30.2	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°	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5
2.5°	1637.9	1631.9	1631.9	1616.8	1594.2	1562.9	1525.7	1516.5	1502.2	1465.9	1419.0
5°	1887.7	1881.2	1872.5	1845.8	1804.0	1741.4	1662.8	1648.5	1597.4	1522.5	1437.8
7.5°	2052.8	2049.1	2046.4	2023.4	1982.0	1920.3	1815.0	1798.9	1712.4	1588.2	1455.8
10°	2035.8	2046.8	2066.1	2082.2	2090.5	2058.8	1959.9	1941.0	1833.9	1664.6	1482.4
12.5°	1876.2	1891.8	1927.7	1993.5	2069.4	2130.5	2074.4	2063.8	1963.6	1745.5	1516.0
15°	1757.5	1763.9	1781.4	1830.2	1943.3	2106.6	2163.2	2153.5	2084.5	1849.5	1554.7
17.5°	1720.7	1723.5	1727.6	1743.7	1821.0	2013.2	2199.5	2208.7	2201.8	1957.6	1598.4
20°	1739.1	1740.9	1741.4	1744.2	1781.0	1935.0	2189.9	2205.5	2304.9	2065.7	1641.6
22.5°	1809.9	1807.6	1804.4	1793.8	1814.5	1921.3	2164.1	2188.9	2384.4	2164.1	1681.6
25°	1933.7	1930.4	1907.9	1885.8	1894.6	1970.9	2150.3	2177.0	2446.5	2257.0	1711.0
27.5°	2080.9	2077.6	2054.6	2012.8	2003.6	2053.7	2182.5	2199.1	2492.1	2339.4	1723.9
30°	2233.6	2233.6	2205.0	2156.7	2127.3	2148.5	2241.8	2255.2	2526.6	2418.9	1732.2
32.5°	2400.1	2404.7	2360.5	2305.3	2272.7	2260.2	2325.1	2336.6	2576.7	2512.8	1749.7
35°	2613.9	2603.8	2550.0	2477.3	2424.9	2396.8	2428.1	2441.5	2650.3	2629.6	1777.7
37.5°	2854.5	2836.6	2770.3	2683.4	2591.9	2545.0	2565.7	2568.9	2759.3	2781.8	1828.8
40°	3053.2	3050.0	2993.9	2911.5	2796.1	2733.1	2723.0	2724.8	2910.6	2962.1	1906.1
42.5°	3220.6	3208.7	3198.6	3169.6	3047.2	2943.7	2902.3	2902.8	3074.8	3148.4	1983.8
45°	3294.7	3292.4	3322.3	3396.8	3308.9	3187.1	3128.2	3136.5	3263.0	3339.8	2058.8
47.5°	3263.0	3264.8	3344.8	3540.3	3592.3	3498.9	3394.5	3389.4	3445.1	3486.5	2125.0
50°	2979.6	3009.5	3226.2	3553.6	3778.1	3824.6	3706.8	3688.0	3604.7	3603.3	2165.5
52.5°	2765.7	2764.4	2897.3	3418.0	3843.9	4118.5	4012.7	3970.4	3736.7	3669.1	2168.7
55°	2476.9	2475.0	2573.9	3021.0	3713.3	4323.6	4301.1	4248.2	3857.7	3690.7	2146.6
57.5°	1875.7	1910.7	2009.1	2418.5	3299.3	4291.0	4576.6	4532.4	3975.9	3681.1	2142.5
60°	1020.6	1016.5	1159.1	1576.3	2526.1	3920.2	4696.6	4694.3	4101.5	3677.4	2167.8
62.5°	470.5	465.9	494.5	701.9	1448.4	3140.6	4464.8	4497.9	4217.8	3643.8	2165.5
65°	351.9	339.9	301.3	326.6	554.3	1874.8	3792.4	3880.7	4038.4	3505.8	2065.2
67.5°	313.7	302.2	257.1	241.0	278.3	661.4	2751.0	2832.4	3377.0	3247.3	1902.9
70°	287.5	277.4	232.3	207.0	208.8	293.0	1440.1	1600.2	2475.0	2710.1	1621.8
72.5°	262.2	253.4	212.5	182.1	175.7	193.6	490.8	592.0	1539.5	1975.1	1209.2
75°	235.5	227.2	191.3	163.3	150.9	143.5	233.7	251.6	814.1	1090.6	649.0
77.5°	204.7	200.1	170.6	144.0	133.4	108.6	155.5	163.3	348.6	428.2	309.1
80°	178.0	174.3	152.2	130.6	119.6	83.7	107.2	112.7	172.0	213.9	172.9
82.5°	115.9	125.1	126.0	112.2	105.3	67.2	70.8	75.0	114.1	126.0	75.4
85°	47.8	58.0	86.9	77.3	73.1	57.0	46.9	47.8	69.9	73.6	27.1
87.5°	21.6	23.9	42.8	43.2	37.7	21.6	23.5	25.8	35.9	35.4	12.0
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°	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5	1407.5
2.5°	1406.1	1384.9	1347.2	1298.9	1264.4	1239.1	1211.5	1191.3	1168.8	1149.0	1152.2
5°	1402.9	1361.9	1277.3	1187.6	1100.2	1028.5	968.7	924.5	879.0	861.0	858.7
7.5°	1405.6	1336.2	1197.3	1050.5	917.6	826.1	756.6	714.8	688.6	673.4	674.3
10°	1404.7	1311.8	1110.8	908.4	763.1	679.4	637.0	623.2	620.9	622.8	625.5
12.5°	1406.1	1278.7	1013.8	780.6	652.2	609.4	611.3	623.7	631.5	636.6	639.8
15°	1412.1	1251.5	914.4	679.8	594.3	595.6	615.4	634.7	646.2	651.8	654.5
17.5°	1420.8	1217.5	826.1	603.5	569.9	591.0	616.8	637.5	646.2	649.5	651.8
20°	1421.7	1178.4	736.9	551.0	553.8	581.4	603.9	620.5	631.5	635.2	637.0
22.5°	1417.6	1125.5	645.3	512.9	535.4	563.0	582.3	601.2	586.4	574.5	571.3
25°	1400.1	1058.8	567.1	481.6	512.4	538.2	560.2	539.5	532.6	523.4	524.4
27.5°	1362.4	975.6	493.5	452.1	485.3	522.1	506.0	503.2	494.5	485.3	485.3
30°	1312.7	887.7	431.9	421.3	452.6	471.0	474.7	470.5	465.5	453.5	454.4
32.5°	1268.1	794.8	388.2	395.6	431.9	431.9	448.0	448.0	429.6	396.0	396.0
35°	1224.0	707.4	356.0	373.9	397.9	405.7	427.8	398.8	372.6	357.4	356.5
37.5°	1189.5	632.9	334.9	355.5	364.7	384.5	385.0	363.8	355.1	341.3	339.9
40°	1169.2	570.3	322.0	346.3	347.3	365.7	335.3	341.3	339.4	328.9	327.5
42.5°	1158.2	522.1	312.3	338.5	333.9	316.0	310.5	320.6	323.8	318.3	316.0
45°	1149.4	484.3	304.5	311.4	323.4	290.7	288.4	296.2	303.1	302.7	300.8
47.5°	1144.8	458.1	297.6	294.4	296.7	275.5	270.9	274.6	283.3	288.9	288.4
50°	1126.9	437.9	287.5	276.9	262.2	262.2	259.9	259.9	270.5	281.5	282.4
52.5°	1095.2	414.0	272.8	260.3	243.3	250.7	251.6	249.8	260.8	272.8	273.7
55°	1060.2	396.0	253.0	245.2	227.7	240.1	244.2	242.4	249.8	258.0	257.6
57.5°	1060.7	395.6	236.0	230.0	213.0	226.8	236.9	237.3	236.9	242.9	242.9
60°	1087.3	404.8	222.6	209.7	195.9	212.5	229.1	229.1	225.8	234.6	235.5
62.5°	1095.2	403.8	214.3	190.4	180.8	199.6	217.6	220.3	218.0	230.4	231.8
65°	1026.2	382.2	206.1	172.9	167.0	185.4	203.3	211.1	208.8	224.9	226.8
67.5°	930.5	354.2	193.2	157.3	152.7	171.6	188.6	196.9	196.4	217.6	218.5
70°	802.2	319.7	177.1	141.2	138.9	155.5	170.6	179.4	183.5	207.9	207.4
72.5°	621.4	274.1	152.7	124.2	123.7	138.9	152.2	161.9	169.7	193.2	193.2
75°	400.6	215.7	124.6	107.6	105.8	120.0	133.8	144.9	168.8	206.1	205.6
77.5°	244.7	164.7	100.3	89.7	89.2	102.1	115.9	134.8	184.4	183.5	178.5
80°	146.7	118.2	80.0	71.8	71.8	83.7	98.9	144.4	153.2	174.8	165.1
82.5°	76.4	72.7	59.8	52.9	55.2	65.8	90.2	115.4	125.1	106.3	97.5
85°	31.3	38.6	36.8	33.6	35.0	45.5	86.9	92.5	74.1	77.7	78.2
87.5°	10.6	17.0	17.0	13.3	14.7	32.2	51.5	30.8	37.3	22.1	16.6
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)