

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: P671969

Luminaire Tested: **CCP-SA-1D-740-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671969
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5627.9 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

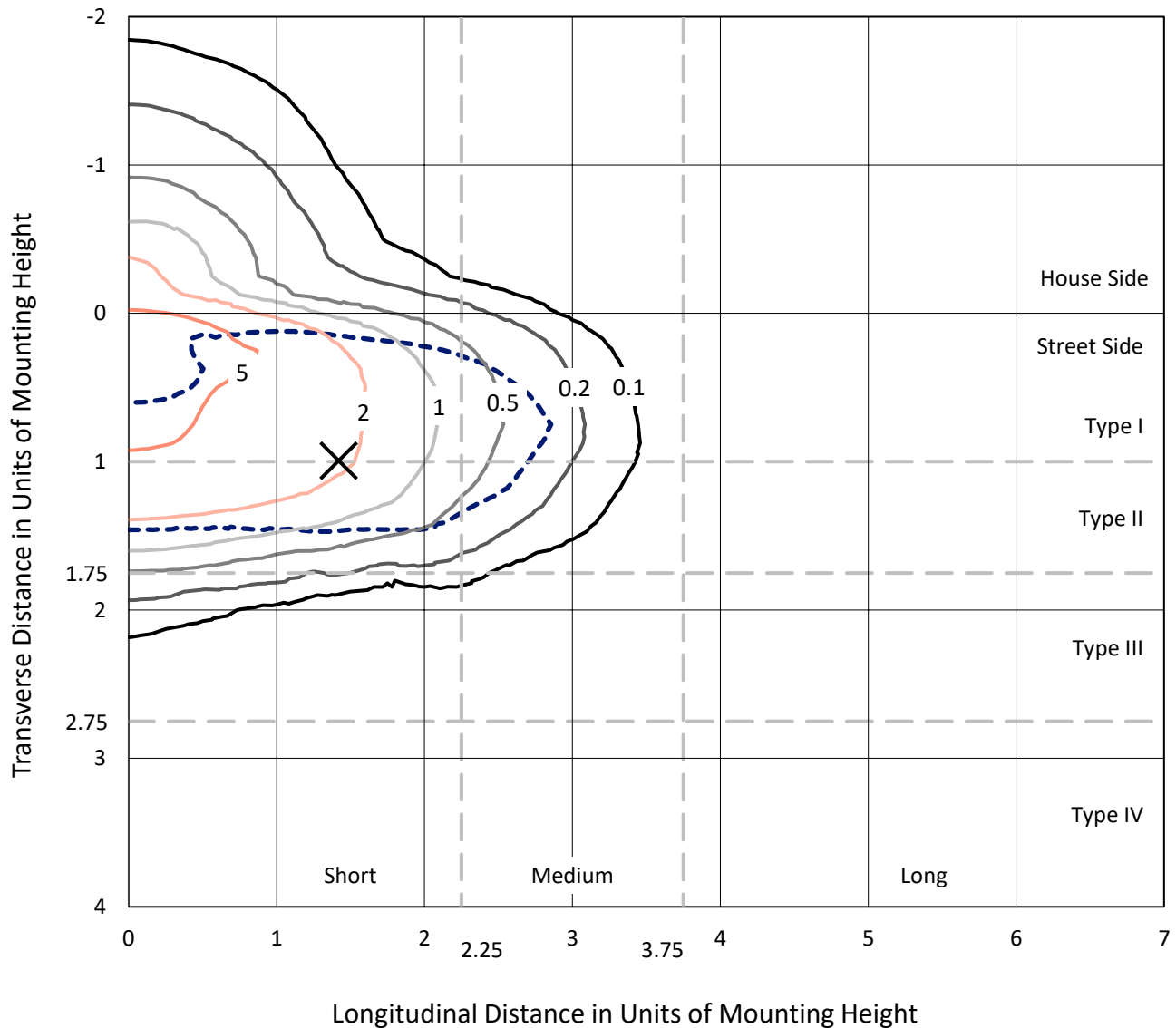
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

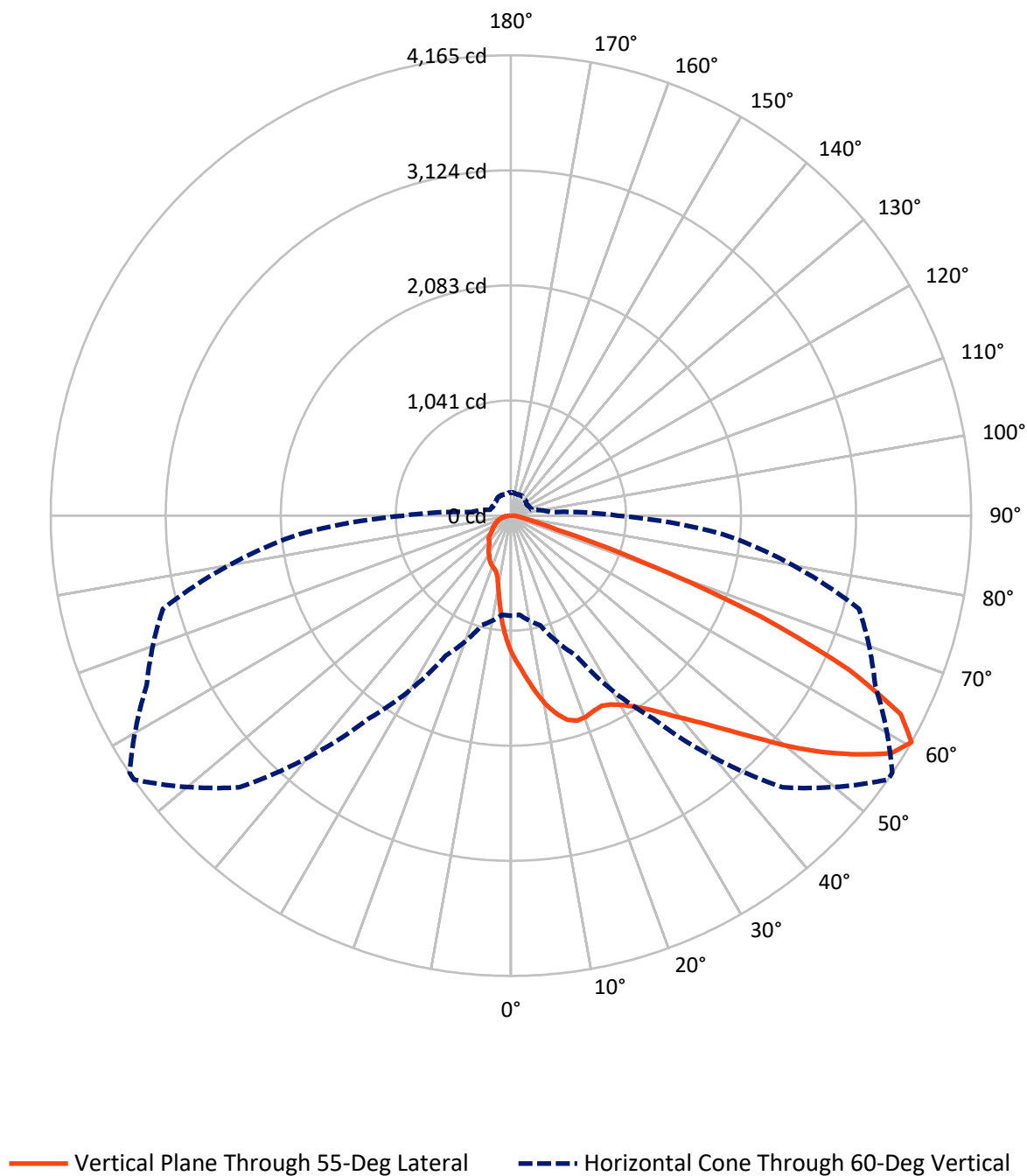


Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.0	0.0	809.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4818.9	0.0	4818.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	5627.9	0.0	5627.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	2.1
10°-20°	330.9	5.9
20°-30°	538.8	9.6
30°-40°	805.3	14.3
40°-50°	1183.6	21.0
50°-60°	1387.3	24.6
60°-70°	914.7	16.3
70°-80°	291.3	5.2
80°-90°	59.2	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°	5627.9	100.0
0°-180°	5627.9	100.0



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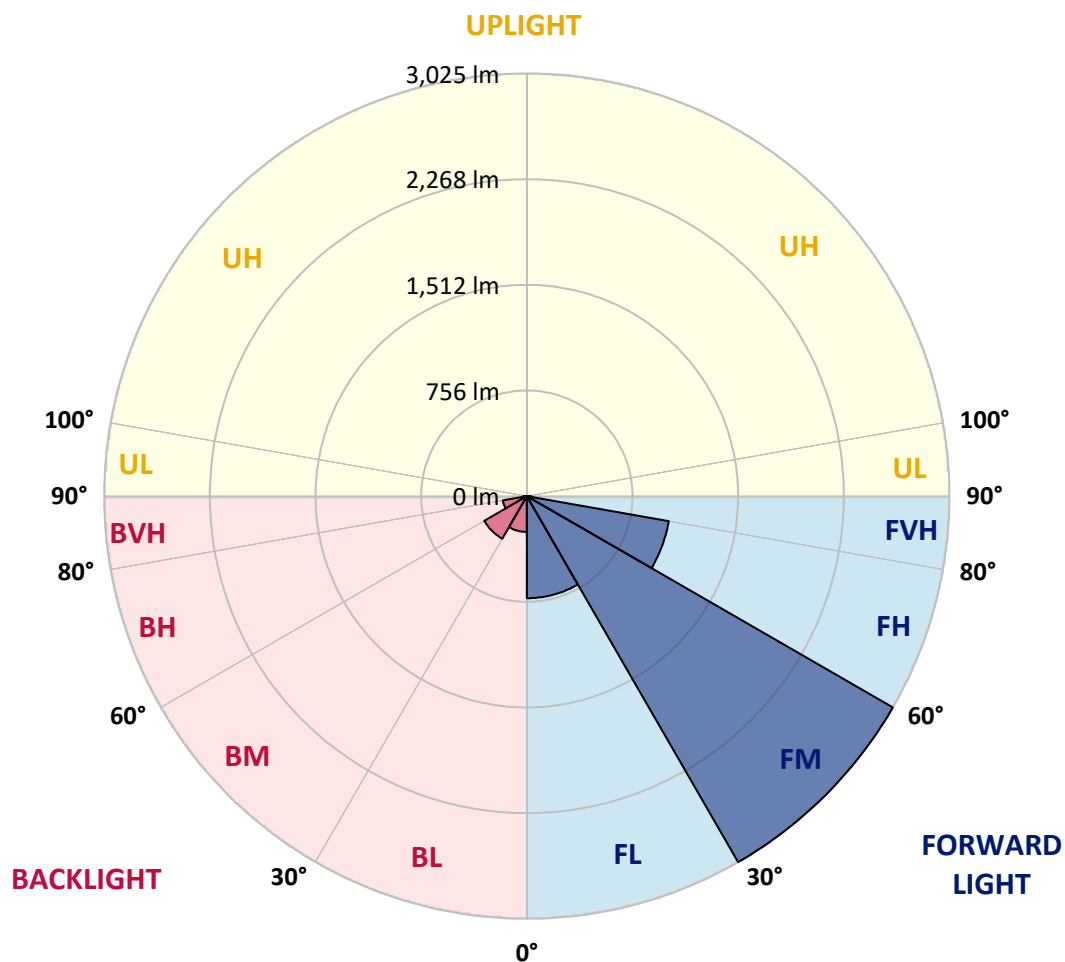
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	730.4	13.0			
FM	(30°-60°)	3024.6	53.7			
FH	(60°-80°)	1031.4	18.3			G1/1800
FVH	(80°-90°)	32.5	0.6			G1/100
BL	(0°-30°)	256.1	4.6	B1/500		
BM	(30°-60°)	351.6	6.2	B1/1000		
BH	(60°-80°)	174.6	3.1	B1/500		G1/500
BVH	(80°-90°)	26.7	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°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1
2.5°	1452.5	1447.2	1447.2	1433.7	1413.8	1386.0	1353.0	1344.8	1332.2	1300.0	1258.3
5°	1674.0	1668.3	1660.5	1636.9	1599.8	1544.3	1474.5	1461.9	1416.6	1350.1	1275.1
7.5°	1820.4	1817.2	1814.7	1794.3	1757.6	1702.9	1609.5	1595.3	1518.6	1408.4	1291.0
10°	1805.3	1815.1	1832.2	1846.5	1853.9	1825.7	1738.0	1721.3	1626.3	1476.2	1314.6
12.5°	1663.8	1677.7	1709.5	1767.8	1835.1	1889.4	1839.6	1830.2	1741.3	1547.9	1344.4
15°	1558.6	1564.3	1579.8	1623.0	1723.3	1868.1	1918.3	1909.7	1848.6	1640.1	1378.7
17.5°	1525.9	1528.4	1532.0	1546.3	1614.8	1785.3	1950.5	1958.7	1952.6	1736.0	1417.4
20°	1542.2	1543.9	1544.3	1546.7	1579.4	1716.0	1942.0	1955.8	2043.9	1831.8	1455.8
22.5°	1605.1	1603.0	1600.2	1590.8	1609.1	1703.8	1919.1	1941.2	2114.5	1919.1	1491.3
25°	1714.8	1711.9	1691.9	1672.4	1680.1	1747.8	1906.9	1930.6	2169.6	2001.5	1517.4
27.5°	1845.3	1842.4	1822.1	1784.9	1776.8	1821.2	1935.4	1950.1	2210.0	2074.5	1528.8
30°	1980.7	1980.7	1955.4	1912.6	1886.5	1905.3	1988.1	1999.9	2240.5	2145.1	1536.1
32.5°	2128.4	2132.5	2093.3	2044.4	2015.4	2004.4	2061.9	2072.1	2285.0	2228.3	1551.6
35°	2318.0	2309.1	2261.4	2196.9	2150.4	2125.5	2153.3	2165.1	2350.3	2331.9	1576.5
37.5°	2531.4	2515.5	2456.7	2379.6	2298.5	2256.9	2275.2	2278.1	2446.9	2466.9	1621.8
40°	2707.6	2704.7	2655.0	2582.0	2479.6	2423.7	2414.7	2416.3	2581.1	2626.8	1690.3
42.5°	2856.1	2845.5	2836.5	2810.8	2702.3	2610.5	2573.8	2574.2	2726.8	2792.0	1759.2
45°	2921.7	2919.7	2946.2	3012.3	2934.4	2826.3	2774.1	2781.4	2893.6	2961.7	1825.7
47.5°	2893.6	2895.2	2966.2	3139.5	3185.6	3102.8	3010.2	3005.8	3055.1	3091.8	1884.5
50°	2642.3	2668.8	2861.0	3151.4	3350.4	3391.6	3287.2	3270.5	3196.6	3195.4	1920.4
52.5°	2452.7	2451.4	2569.3	3031.0	3408.7	3652.3	3558.4	3520.9	3313.7	3253.8	1923.2
55°	2196.5	2194.9	2282.6	2679.0	3292.9	3834.2	3814.2	3767.3	3421.0	3272.9	1903.6
57.5°	1663.4	1694.4	1781.7	2144.7	2925.8	3805.2	4058.5	4019.4	3525.8	3264.4	1900.0
60°	905.1	901.4	1027.9	1397.8	2240.1	3476.5	4165.0	4162.9	3637.2	3261.1	1922.4
62.5°	417.3	413.2	438.5	622.4	1284.5	2785.1	3959.4	3988.8	3740.4	3231.3	1920.4
65°	312.0	301.4	267.2	289.6	491.5	1662.6	3363.1	3441.4	3581.3	3108.9	1831.4
67.5°	278.2	268.0	228.0	213.7	246.8	586.5	2439.6	2511.8	2994.7	2879.7	1687.4
70°	254.9	246.0	206.0	183.6	185.2	259.8	1277.1	1419.1	2194.9	2403.3	1438.2
72.5°	232.5	224.7	188.4	161.5	155.8	171.7	435.2	525.0	1365.2	1751.5	1072.3
75°	208.8	201.5	169.7	144.8	133.8	127.3	207.2	223.1	722.0	967.1	575.5
77.5°	181.5	177.4	151.3	127.7	118.3	96.3	137.9	144.8	309.2	379.7	274.1
80°	157.9	154.6	135.0	115.8	106.1	74.2	95.0	99.9	152.6	189.7	153.4
82.5°	102.8	110.9	111.8	99.5	93.4	59.6	62.8	66.5	101.2	111.8	66.9
85°	42.4	51.4	77.1	68.5	64.9	50.6	41.6	42.4	62.0	65.3	24.1
87.5°	19.2	21.2	37.9	38.3	33.4	19.2	20.8	22.8	31.8	31.4	10.6
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°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1
2.5°	1246.9	1228.2	1194.7	1151.9	1121.3	1098.9	1074.4	1056.4	1036.5	1018.9	1021.8
5°	1244.1	1207.8	1132.7	1053.2	975.7	912.0	859.0	819.9	779.5	763.6	761.5
7.5°	1246.5	1184.9	1061.7	931.6	813.7	732.6	671.0	633.9	610.6	597.2	598.0
10°	1245.7	1163.3	985.1	805.6	676.7	602.5	564.9	552.7	550.7	552.3	554.7
12.5°	1246.9	1133.9	899.0	692.2	578.4	540.5	542.1	553.1	560.0	564.5	567.4
15°	1252.2	1109.9	810.9	602.9	527.0	528.2	545.8	562.9	573.1	578.0	580.4
17.5°	1260.0	1079.7	732.6	535.2	505.4	524.1	547.0	565.3	573.1	575.9	578.0
20°	1260.8	1045.0	653.4	488.7	491.1	515.6	535.6	550.2	560.0	563.3	564.9
22.5°	1257.1	998.1	572.3	454.8	474.8	499.3	516.4	533.1	520.1	509.5	506.6
25°	1241.6	939.0	502.9	427.1	454.4	477.2	496.8	478.5	472.3	464.2	465.0
27.5°	1208.2	865.1	437.7	401.0	430.3	463.0	448.7	446.2	438.5	430.3	430.3
30°	1164.1	787.2	383.0	373.6	401.4	417.7	420.9	417.3	412.8	402.2	403.0
32.5°	1124.6	704.8	344.3	350.8	383.0	383.0	397.3	397.3	381.0	351.2	351.2
35°	1085.4	627.3	315.7	331.6	352.8	359.8	379.3	353.6	330.4	316.9	316.1
37.5°	1054.8	561.3	296.9	315.3	323.5	341.0	341.4	322.6	314.9	302.7	301.4
40°	1036.9	505.8	285.5	307.1	308.0	324.3	297.4	302.7	301.0	291.6	290.4
42.5°	1027.1	463.0	277.0	300.2	296.1	280.2	275.3	284.3	287.2	282.3	280.2
45°	1019.3	429.5	270.0	276.1	286.7	257.8	255.7	262.7	268.8	268.4	266.8
47.5°	1015.2	406.3	263.9	261.1	263.1	244.3	240.2	243.5	251.3	256.2	255.7
50°	999.3	388.3	254.9	245.6	232.5	232.5	230.5	230.5	239.8	249.6	250.4
52.5°	971.2	367.1	241.9	230.9	215.8	222.3	223.1	221.5	231.3	241.9	242.7
55°	940.2	351.2	224.3	217.4	201.9	212.9	216.6	215.0	221.5	228.8	228.4
57.5°	940.6	350.8	209.2	203.9	188.9	201.1	210.1	210.5	210.1	215.4	215.4
60°	964.3	358.9	197.4	186.0	173.8	188.4	203.1	203.1	200.3	208.0	208.8
62.5°	971.2	358.1	190.1	168.9	160.3	177.0	192.9	195.4	193.3	204.4	205.6
65°	910.0	339.0	182.7	153.4	148.1	164.4	180.3	187.2	185.2	199.5	201.1
67.5°	825.2	314.1	171.3	139.5	135.4	152.1	167.2	174.6	174.2	192.9	193.7
70°	711.4	283.5	157.0	125.2	123.2	137.9	151.3	159.1	162.7	184.4	184.0
72.5°	551.1	243.1	135.4	110.1	109.7	123.2	135.0	143.6	150.5	171.3	171.3
75°	355.3	191.3	110.5	95.4	93.8	106.5	118.7	128.5	149.7	182.7	182.3
77.5°	217.0	146.0	88.9	79.5	79.1	90.6	102.8	119.5	163.6	162.7	158.3
80°	130.1	104.8	71.0	63.6	63.6	74.2	87.7	128.1	135.8	155.0	146.4
82.5°	67.7	64.4	53.0	46.9	48.9	58.3	79.9	102.4	110.9	94.2	86.5
85°	27.7	34.3	32.6	29.8	31.0	40.4	77.1	82.0	65.7	68.9	69.3
87.5°	9.4	15.1	15.1	11.8	13.1	28.6	45.7	27.3	33.0	19.6	14.7
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)