

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: P670875

Luminaire Tested: **CCP-SA-2A-835-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670875
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4555.5 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

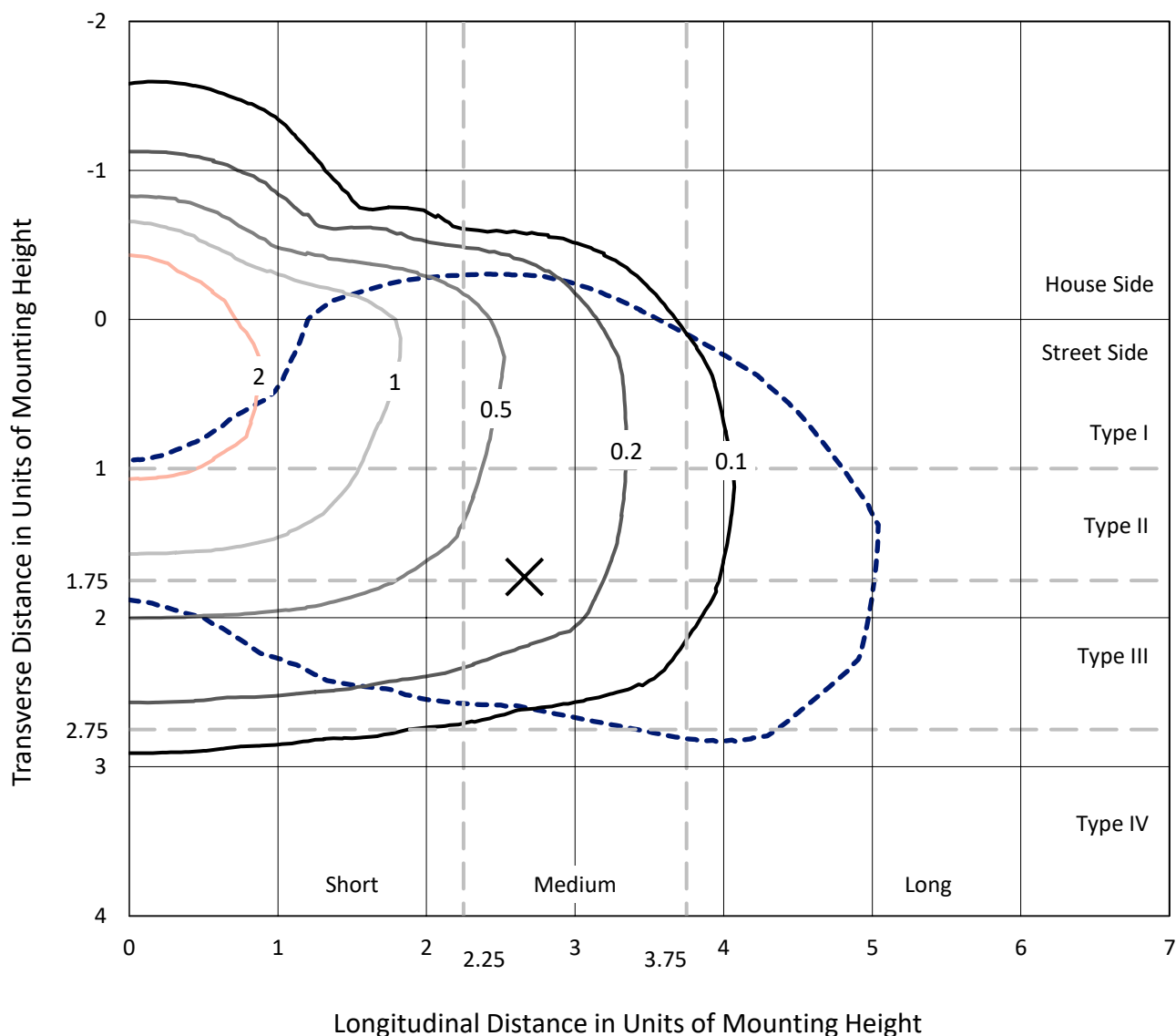
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

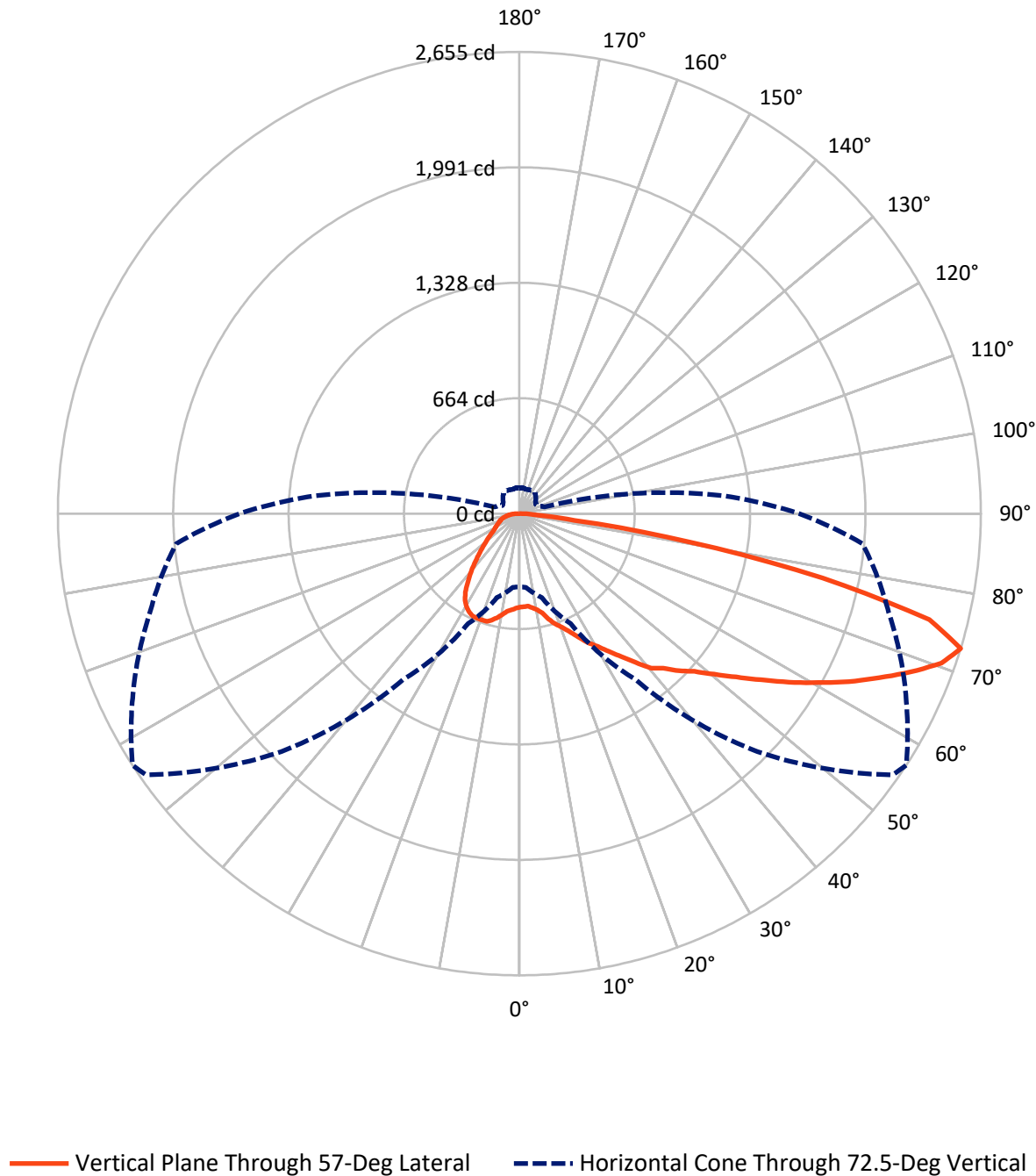
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1063.9	0.0	1063.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3491.6	0.0	3491.6
	% Fixture	76.6	0.0	76.6
Total	Lumens	4555.5	0.0	4555.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.2
10°-20°	179.9	3.9
20°-30°	328.8	7.2
30°-40°	482.4	10.6
40°-50°	664.2	14.6
50°-60°	910.8	20.0
60°-70°	1098.0	24.1
70°-80°	731.4	16.1
80°-90°	106.5	2.3
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°	4555.5	100.0
0°-180°	4555.5	100.0

Coefficient of Utilization



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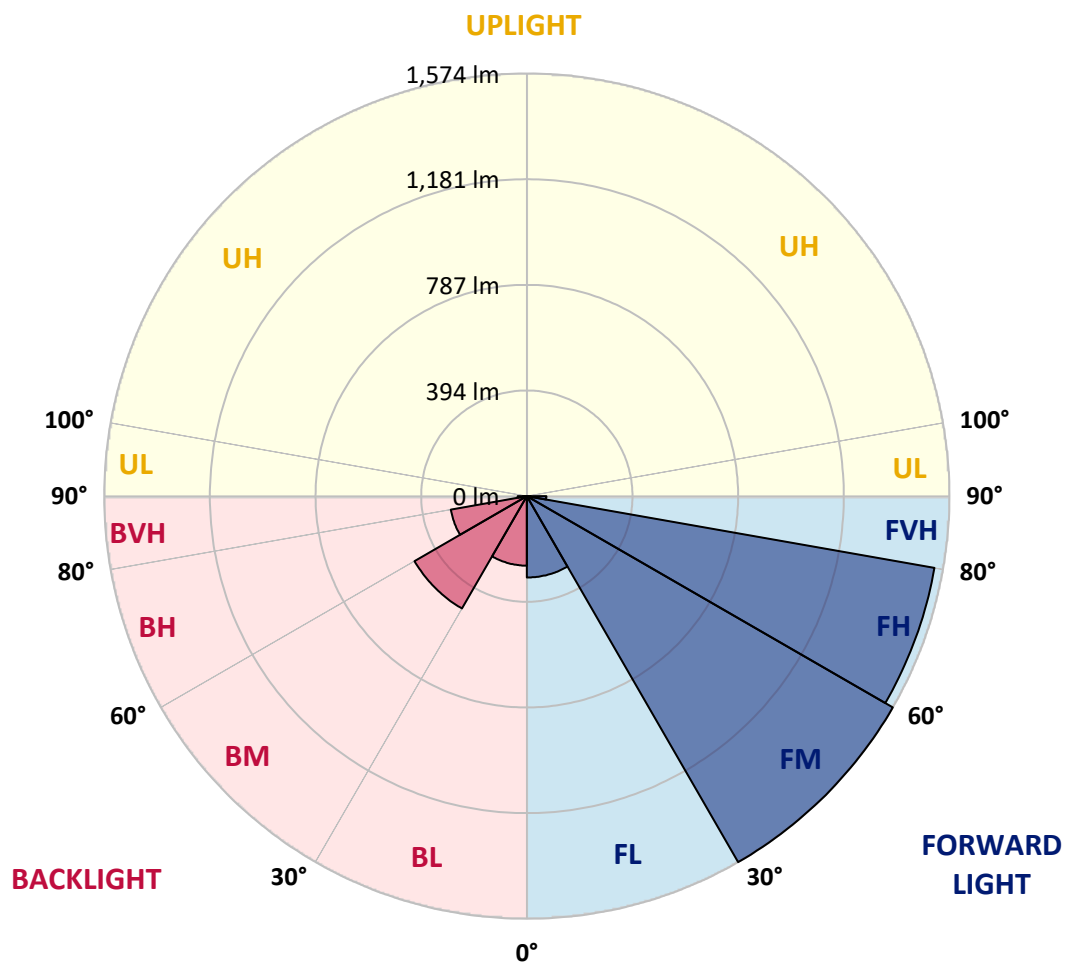
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.0	6.7			
FM	(30°-60°)	1574.3	34.6			
FH	(60°-80°)	1541.7	33.8			G1/1800
FVH	(80°-90°)	72.5	1.6			G1/100
BL	(0°-30°)	259.0	5.7	B1/500		
BM	(30°-60°)	483.2	10.6	B1/1000		
BH	(60°-80°)	287.6	6.3	B1/500		G1/500
BVH	(80°-90°)	34.0	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7
2.5°	527.7	529.4	532.7	531.0	531.0	526.1	534.4	536.0	532.7	534.4	537.7
5°	527.7	531.0	536.0	532.7	534.4	532.7	529.4	534.4	534.4	536.0	541.0
7.5°	555.9	554.3	554.3	549.3	547.6	546.0	547.6	547.6	544.3	546.0	546.0
10°	587.5	587.5	584.2	584.2	580.8	572.5	564.2	562.6	557.6	559.3	559.3
12.5°	620.7	624.0	627.3	617.3	614.0	600.7	595.8	585.8	585.8	582.5	580.8
15°	662.2	657.2	660.5	657.2	648.9	635.6	627.3	629.0	617.3	614.0	609.0
17.5°	698.7	700.3	695.3	692.0	677.1	667.1	668.8	667.1	652.2	647.2	638.9
20°	741.8	740.2	740.2	730.2	716.9	703.6	698.7	697.0	700.3	690.4	670.4
22.5°	786.6	780.0	780.0	771.7	753.4	745.1	741.8	735.2	738.5	730.2	700.3
25°	823.1	823.1	834.7	818.1	808.2	791.6	785.0	786.6	788.3	771.7	736.8
27.5°	871.3	863.0	874.6	866.3	861.3	843.0	834.7	839.7	836.4	818.1	770.0
30°	932.7	934.3	927.7	916.1	909.4	896.1	891.2	886.2	891.2	867.9	806.5
32.5°	1009.0	1014.0	997.4	984.1	972.5	959.2	949.3	944.3	949.3	914.4	834.7
35°	1096.9	1101.9	1088.7	1073.7	1060.4	1027.2	1019.0	1010.7	992.4	936.0	861.3
37.5°	1178.3	1171.6	1168.3	1168.3	1143.4	1095.3	1090.3	1085.3	1050.5	979.1	897.8
40°	1233.0	1241.3	1238.0	1234.7	1231.4	1186.6	1176.6	1168.3	1110.2	1043.8	949.3
42.5°	1294.4	1289.5	1302.7	1307.7	1296.1	1282.8	1243.0	1214.8	1163.3	1110.2	1025.6
45°	1367.5	1364.1	1369.1	1387.4	1370.8	1375.7	1309.4	1289.5	1224.7	1193.2	1121.8
47.5°	1432.2	1440.5	1465.4	1470.3	1457.1	1480.3	1387.4	1355.8	1314.3	1289.5	1221.4
50°	1460.4	1470.3	1526.8	1561.6	1563.3	1599.8	1465.4	1452.1	1395.7	1405.6	1345.9
52.5°	1437.2	1468.7	1536.7	1628.0	1684.4	1720.9	1568.3	1561.6	1510.2	1541.7	1482.0
55°	1458.7	1488.6	1533.4	1661.2	1803.9	1812.2	1711.0	1686.1	1634.6	1677.8	1623.0
57.5°	1468.7	1452.1	1536.7	1697.7	1891.9	1913.4	1847.1	1828.8	1789.0	1830.5	1798.9
60°	1390.7	1410.6	1490.3	1687.7	1896.8	2021.3	1999.7	1973.2	1936.7	1974.8	1956.6
62.5°	1302.7	1316.0	1402.3	1628.0	1925.1	2099.3	2147.4	2127.5	2076.1	2109.3	2140.8
65°	1191.5	1193.2	1289.5	1521.8	1870.3	2144.1	2276.9	2275.2	2238.7	2230.4	2280.2
67.5°	1055.5	1068.7	1145.1	1408.9	1795.6	2193.9	2404.7	2429.6	2356.5	2291.8	2310.1
70°	809.9	823.1	896.1	1155.0	1642.9	2179.0	2562.3	2575.6	2432.9	2268.6	2222.1
72.5°	421.5	424.8	499.5	697.0	1165.0	1935.0	2620.4	2655.2	2452.8	2200.5	1981.5
75°	139.4	139.4	170.9	265.5	549.3	1238.0	2373.1	2436.2	2354.9	2031.3	1621.4
77.5°	83.0	84.6	101.2	132.8	219.1	494.5	1672.8	1784.0	1926.7	1727.6	1184.9
80°	59.7	61.4	76.3	91.3	131.1	159.3	839.7	994.1	1183.2	1111.9	632.3
82.5°	44.8	44.8	59.7	68.0	89.6	94.6	234.0	320.3	511.1	398.3	174.3
85°	46.5	46.5	46.5	48.1	61.4	54.8	97.9	104.6	149.4	131.1	48.1
87.5°	16.6	18.3	46.5	31.5	31.5	23.2	38.2	41.5	53.1	54.8	18.3
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°	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7
2.5°	539.3	539.3	541.0	541.0	544.3	547.6	552.6	549.3	549.3	551.0	549.3
5°	537.7	539.3	544.3	552.6	555.9	557.6	567.6	567.6	567.6	570.9	570.9
7.5°	544.3	547.6	555.9	564.2	565.9	570.9	584.2	587.5	595.8	599.1	600.7
10°	560.9	565.9	572.5	582.5	589.1	595.8	605.7	617.3	615.7	625.6	627.3
12.5°	585.8	584.2	595.8	605.7	612.4	622.3	625.6	625.6	625.6	625.6	629.0
15°	605.7	609.0	619.0	625.6	633.9	632.3	625.6	619.0	620.7	619.0	619.0
17.5°	635.6	635.6	643.9	645.6	648.9	632.3	622.3	622.3	627.3	627.3	624.0
20°	665.5	663.8	667.1	665.5	643.9	624.0	622.3	624.0	625.6	624.0	622.3
22.5°	693.7	690.4	685.4	678.7	640.6	622.3	619.0	610.7	602.4	602.4	597.4
25°	718.6	715.3	702.0	682.1	638.9	612.4	595.8	575.9	565.9	560.9	567.6
27.5°	741.8	735.2	716.9	682.1	624.0	585.8	554.3	529.4	521.1	514.5	521.1
30°	773.3	761.7	736.8	677.1	600.7	544.3	501.2	471.3	463.0	453.1	456.4
32.5°	801.6	775.0	753.4	662.2	570.9	497.9	448.1	418.2	403.3	395.0	401.6
35°	831.4	804.9	760.1	638.9	524.4	441.4	391.6	363.4	351.8	340.2	340.2
37.5°	861.3	846.4	770.0	595.8	468.0	388.3	343.5	321.9	302.0	280.5	280.5
40°	924.4	904.4	781.6	546.0	411.6	336.9	305.4	277.1	257.2	227.4	225.7
42.5°	990.7	947.6	781.6	486.2	361.8	300.4	270.5	240.6	204.1	185.9	187.5
45°	1075.4	1025.6	760.1	433.1	312.0	270.5	237.3	199.1	182.5	170.9	170.9
47.5°	1181.6	1103.6	733.5	375.1	272.2	244.0	202.5	179.2	167.6	157.7	156.0
50°	1307.7	1174.9	700.3	325.3	239.0	219.1	184.2	166.0	156.0	149.4	149.4
52.5°	1440.5	1279.5	677.1	280.5	212.4	185.9	170.9	159.3	151.0	146.0	144.4
55°	1574.9	1384.0	660.5	232.3	187.5	170.9	167.6	157.7	154.3	149.4	146.0
57.5°	1725.9	1470.3	657.2	199.1	167.6	164.3	170.9	162.6	157.7	152.7	147.7
60°	1888.5	1586.5	627.3	172.6	157.7	161.0	166.0	157.7	154.3	149.4	146.0
62.5°	2049.5	1672.8	546.0	152.7	147.7	151.0	157.7	151.0	146.0	147.7	149.4
65°	2115.9	1679.4	423.2	137.7	136.1	137.7	147.7	146.0	141.1	151.0	151.0
67.5°	2049.5	1619.7	298.7	124.5	124.5	132.8	149.4	152.7	147.7	161.0	159.3
70°	1898.5	1472.0	202.5	116.2	119.5	141.1	154.3	151.0	144.4	161.0	157.7
72.5°	1611.4	1178.3	147.7	107.9	112.8	134.4	152.7	149.4	144.4	151.0	144.4
75°	1209.8	838.1	116.2	97.9	99.6	121.1	157.7	149.4	136.1	132.8	127.8
77.5°	808.2	517.8	89.6	86.3	86.3	106.2	151.0	139.4	122.8	117.8	116.2
80°	385.0	207.4	71.4	73.0	74.7	91.3	137.7	124.5	111.2	104.6	104.6
82.5°	122.8	78.0	59.7	59.7	59.7	74.7	114.5	104.6	96.3	91.3	83.0
85°	43.1	43.1	51.4	53.1	48.1	54.8	94.6	89.6	79.7	66.4	64.7
87.5°	16.6	24.9	34.9	41.5	29.9	38.2	68.0	63.1	58.1	43.1	41.5
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)