

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: P674892

Luminaire Tested: **CCW-SA-1D-835-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674892
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4583.9 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

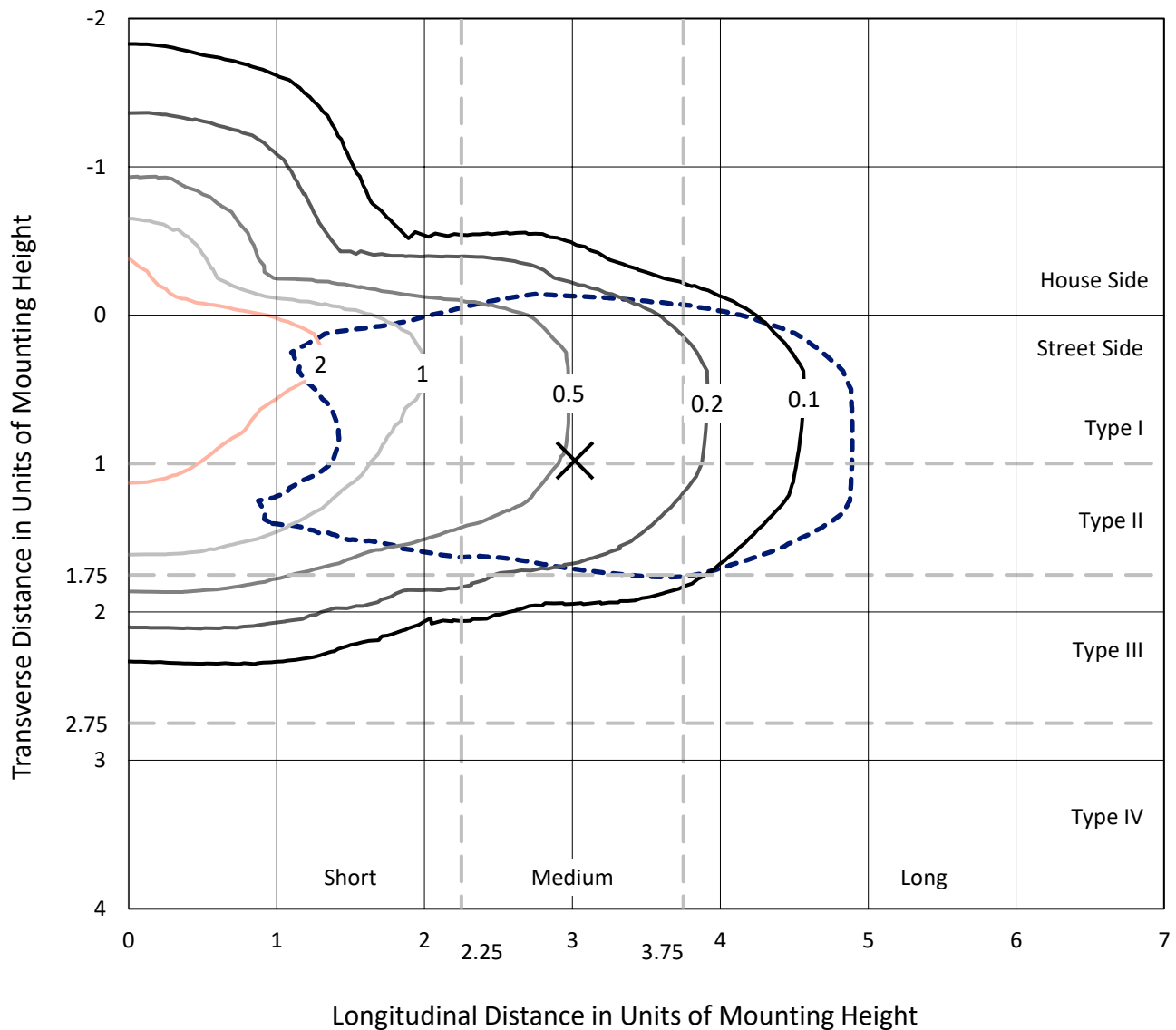
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

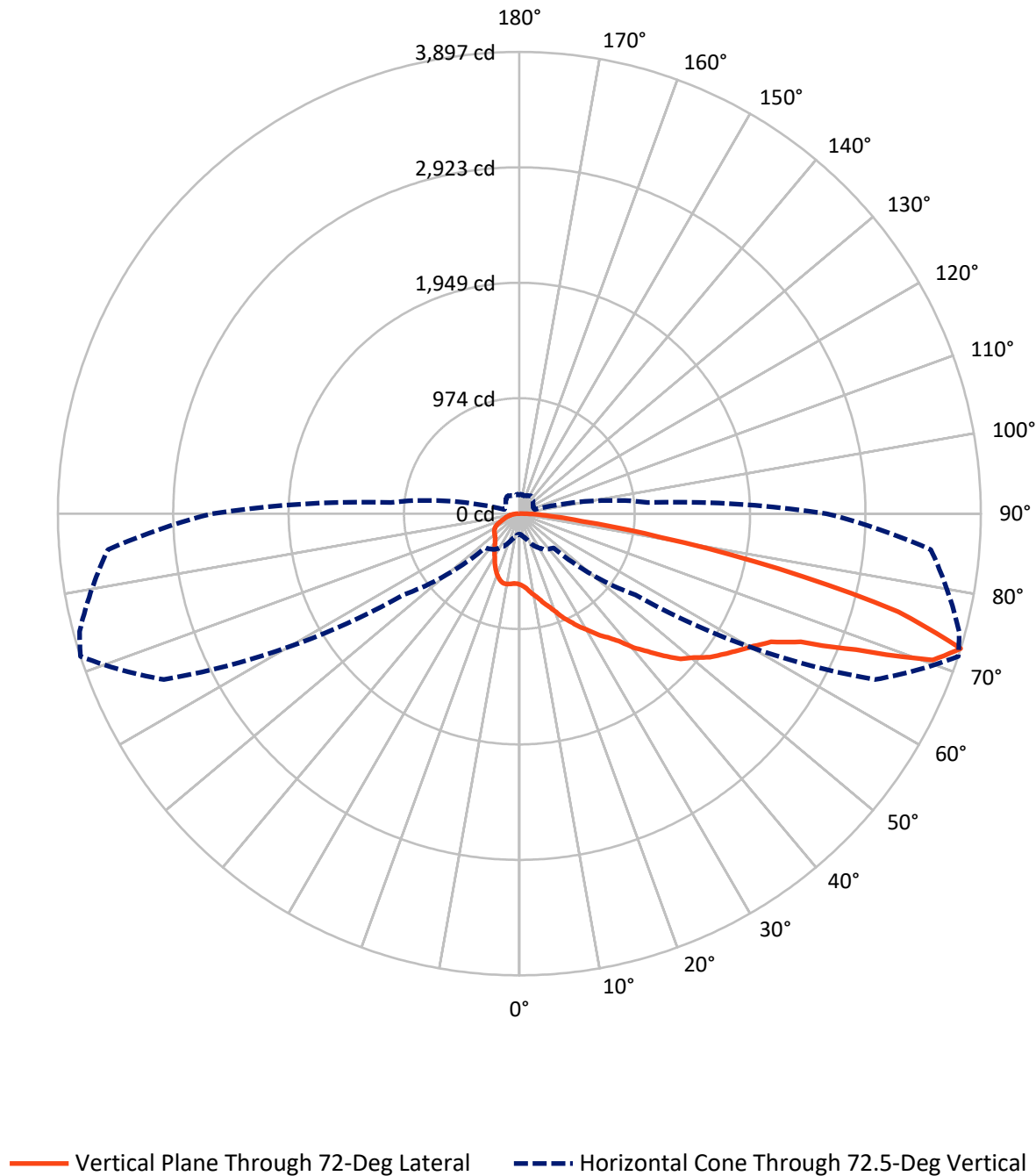
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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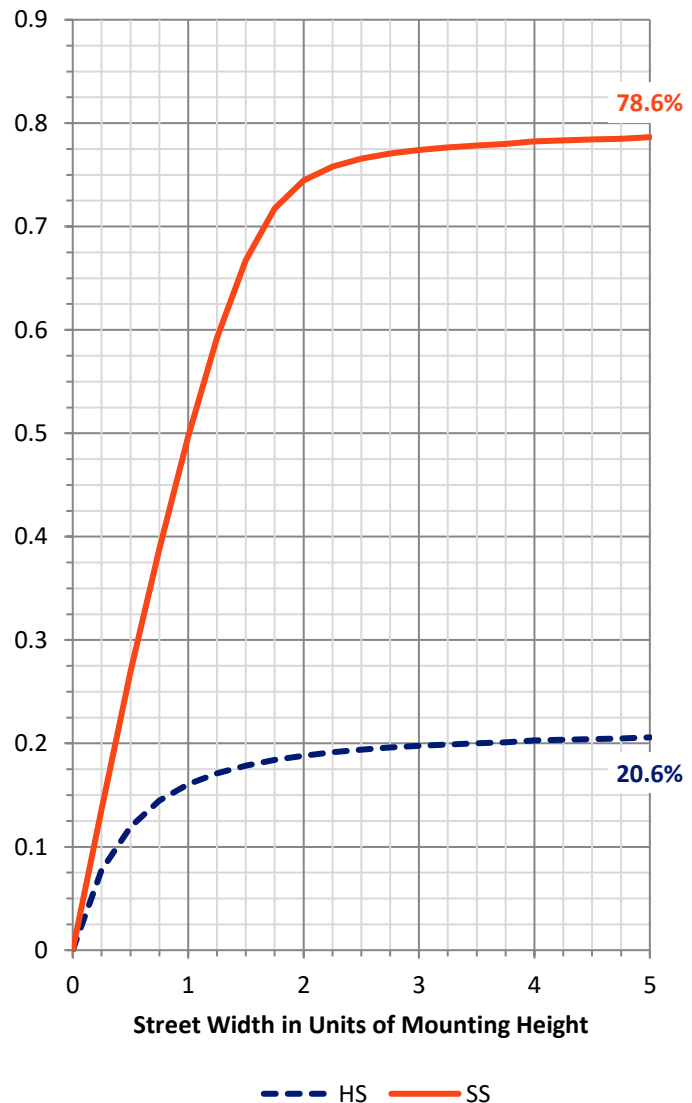
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.7	0.0	964.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3619.2	0.0	3619.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	4583.9	0.0	4583.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.3
10°-20°	184.0	4.0
20°-30°	318.3	6.9
30°-40°	470.2	10.3
40°-50°	699.2	15.3
50°-60°	958.5	20.9
60°-70°	1039.7	22.7
70°-80°	733.0	16.0
80°-90°	121.8	2.7
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°	4583.9	100.0
0°-180°	4583.9	100.0

Coefficient of Utilization



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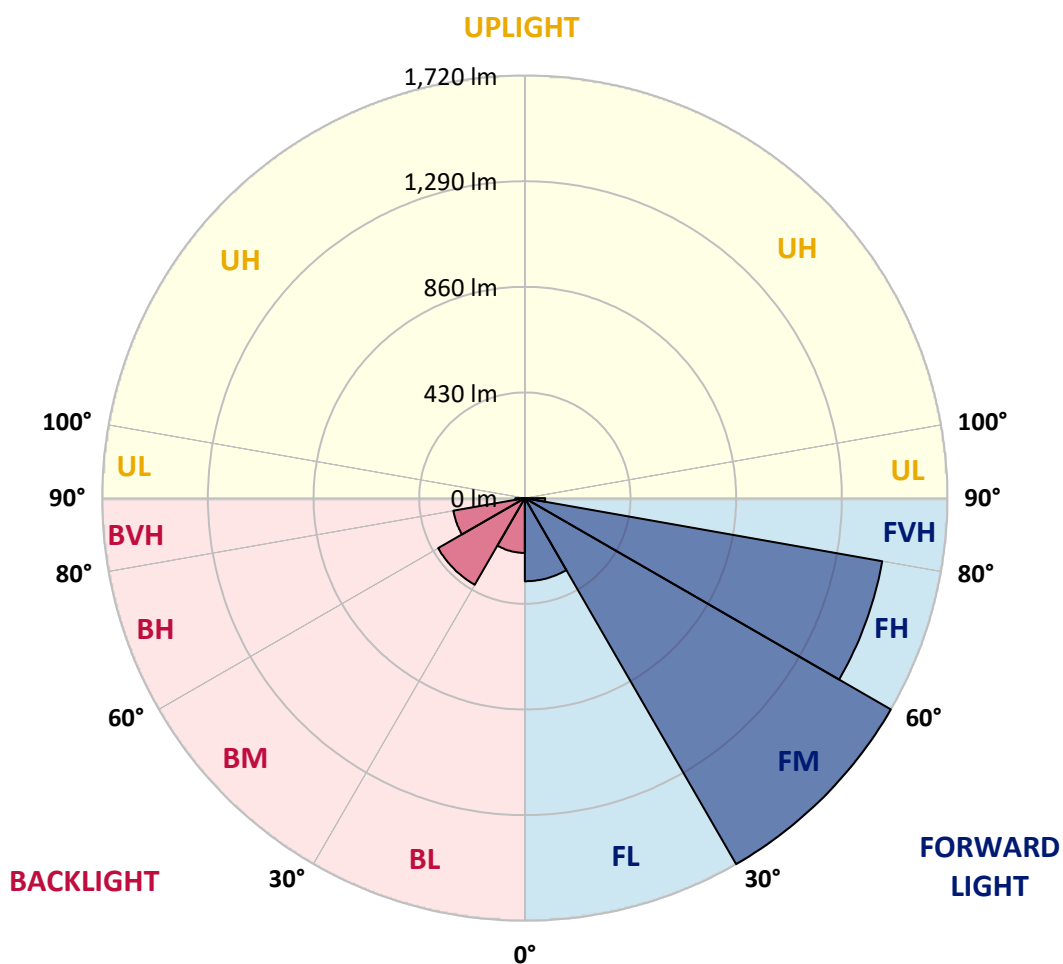
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	338.5	7.4			
FM	(30°-60°)	1720.4	37.5			
FH	(60°-80°)	1477.2	32.2			G1/1800
FVH	(80°-90°)	83.0	1.8			G1/100
BL	(0°-30°)	223.0	4.9	B1/500		
BM	(30°-60°)	407.5	8.9	B1/1000		
BH	(60°-80°)	295.5	6.4	B1/500		G1/500
BVH	(80°-90°)	38.8	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8
2.5°	646.1	646.1	641.1	639.4	639.4	625.8	627.5	619.1	612.3	612.3	605.5
5°	680.0	676.6	676.6	676.6	668.1	663.1	661.4	646.1	634.3	636.0	615.7
7.5°	688.4	690.1	691.8	700.3	695.2	698.6	695.2	678.3	669.8	661.4	642.8
10°	693.5	696.9	696.9	708.7	708.7	717.2	722.3	715.5	700.3	691.8	661.4
12.5°	705.3	700.3	707.0	715.5	724.0	739.2	754.4	747.6	737.5	727.3	693.5
15°	705.3	707.0	712.1	725.6	739.2	754.4	781.5	791.6	786.5	767.9	732.4
17.5°	685.0	680.0	703.7	729.0	754.4	773.0	808.5	832.2	828.8	822.1	767.9
20°	686.7	691.8	700.3	722.3	762.9	796.7	840.7	879.6	888.0	884.6	815.3
22.5°	717.2	718.9	727.3	737.5	769.6	813.6	879.6	942.2	957.4	948.9	867.7
25°	747.6	761.2	761.2	767.9	779.8	825.4	904.9	992.9	1014.9	1016.6	921.9
27.5°	796.7	800.1	810.2	813.6	823.8	850.8	933.7	1030.1	1080.9	1074.1	970.9
30°	854.2	855.9	862.7	859.3	861.0	894.8	960.8	1072.4	1141.7	1143.4	1023.3
32.5°	921.9	935.4	938.8	916.8	920.2	928.6	1003.0	1123.1	1217.9	1206.0	1069.0
35°	1021.7	1026.7	1016.6	1006.4	981.1	976.0	1047.0	1173.9	1283.8	1297.4	1136.7
37.5°	1145.1	1158.7	1145.1	1091.0	1063.9	1043.6	1101.2	1229.7	1363.3	1409.0	1204.3
40°	1260.2	1258.5	1244.9	1195.9	1148.5	1133.3	1179.0	1307.5	1486.8	1530.8	1302.4
42.5°	1353.2	1348.1	1339.7	1302.4	1258.5	1233.1	1268.6	1388.7	1590.0	1674.6	1415.8
45°	1434.4	1427.6	1429.3	1387.0	1344.7	1358.3	1358.3	1481.7	1711.8	1816.6	1546.0
47.5°	1510.5	1513.9	1508.8	1476.7	1444.5	1480.0	1461.4	1588.3	1831.9	1948.6	1656.0
50°	1598.4	1605.2	1588.3	1568.0	1539.2	1574.8	1551.1	1688.1	1909.7	2068.7	1787.9
52.5°	1681.3	1688.1	1703.3	1677.9	1649.2	1677.9	1623.8	1781.1	2012.9	2185.4	1889.4
55°	1701.6	1698.2	1782.8	1809.9	1825.1	1738.8	1688.1	1860.6	2094.1	2259.8	2004.4
57.5°	1608.6	1617.1	1732.1	1809.9	1972.3	1897.8	1760.8	1953.7	2178.6	2357.9	2111.0
60°	1376.9	1381.9	1525.7	1710.1	1946.9	2046.7	1957.0	2073.8	2271.7	2440.8	2231.1
62.5°	920.2	959.1	1138.4	1427.6	1767.6	2087.3	2270.0	2276.7	2385.0	2545.7	2395.1
65°	485.5	504.1	644.5	877.9	1339.7	1946.9	2564.3	2679.3	2611.6	2738.5	2631.9
67.5°	318.0	324.8	400.9	532.8	773.0	1420.8	2598.1	3377.9	3066.7	3105.6	3010.8
70°	236.8	240.2	296.0	394.1	478.7	759.5	2129.6	3704.3	3702.7	3599.5	3460.8
72.5°	174.2	179.3	218.2	301.1	368.7	409.3	1197.6	3313.6	3897.2	3844.7	3487.8
75°	137.0	140.4	160.7	233.4	297.7	268.9	607.2	2454.3	3305.2	3557.2	3191.8
77.5°	111.6	115.0	126.9	169.1	238.5	208.1	290.9	1583.2	2241.2	2560.9	2442.5
80°	93.0	93.0	101.5	120.1	184.4	157.3	172.5	889.7	1207.7	1332.9	1107.9
82.5°	79.5	77.8	84.6	88.0	137.0	113.3	111.6	402.6	531.1	563.3	416.1
85°	50.7	52.4	79.5	76.1	89.6	77.8	62.6	191.1	250.3	255.4	155.6
87.5°	20.3	20.3	33.8	42.3	50.7	47.4	30.4	86.3	109.9	109.9	44.0
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°	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8
2.5°	603.9	597.1	592.0	588.6	580.2	571.7	573.4	571.7	565.0	561.6	561.6
5°	610.6	603.9	595.4	581.9	573.4	563.3	566.6	559.9	553.1	558.2	549.7
7.5°	627.5	615.7	603.9	583.6	570.0	554.8	548.0	544.7	539.6	536.2	536.2
10°	651.2	634.3	612.3	581.9	559.9	536.2	532.8	526.1	521.0	521.0	519.3
12.5°	674.9	656.3	619.1	570.0	532.8	515.9	514.2	515.9	519.3	521.0	522.7
15°	705.3	674.9	617.4	548.0	510.8	504.1	512.5	519.3	526.1	532.8	531.1
17.5°	734.1	698.6	602.2	521.0	492.2	493.9	509.1	522.7	536.2	543.0	544.7
20°	773.0	720.6	580.2	488.8	473.6	488.8	509.1	526.1	541.3	549.7	551.4
22.5°	817.0	745.9	551.4	460.1	458.4	473.6	493.9	519.3	536.2	551.4	549.7
25°	855.9	762.9	514.2	436.4	439.8	449.9	473.6	500.7	517.6	534.5	529.4
27.5°	881.3	766.2	475.3	419.5	419.5	429.6	451.6	468.5	483.8	497.3	499.0
30°	910.0	759.5	431.3	397.5	397.5	411.0	419.5	429.6	438.1	441.5	444.9
32.5°	943.8	744.3	404.3	380.6	380.6	390.7	395.8	392.4	390.7	382.3	387.3
35°	976.0	722.3	373.8	358.6	365.4	370.4	368.7	358.6	348.4	333.2	328.1
37.5°	1014.9	700.3	346.8	334.9	346.8	348.4	348.4	336.6	323.1	304.5	304.5
40°	1074.1	683.4	324.8	319.7	331.5	329.8	321.4	312.9	318.0	307.8	307.8
42.5°	1136.7	676.6	304.5	306.2	311.2	312.9	304.5	294.3	314.6	302.8	304.5
45°	1214.5	681.7	290.9	289.2	301.1	299.4	294.3	285.9	292.6	262.2	253.7
47.5°	1287.2	691.8	284.2	277.4	290.9	294.3	287.6	268.9	258.8	240.2	236.8
50°	1353.2	713.8	277.4	263.9	277.4	284.2	272.3	252.0	240.2	228.3	228.3
52.5°	1415.8	745.9	274.0	248.6	260.5	268.9	262.2	241.9	228.3	223.3	218.2
55°	1480.0	774.7	268.9	238.5	241.9	258.8	257.1	230.0	216.5	216.5	214.8
57.5°	1571.4	813.6	262.2	221.6	228.3	247.0	247.0	225.0	209.7	211.4	213.1
60°	1664.4	859.3	255.4	204.7	209.7	235.1	238.5	218.2	204.7	206.4	204.7
62.5°	1813.3	943.8	241.9	184.4	194.5	219.9	228.3	209.7	197.9	201.3	201.3
65°	2038.2	1089.3	213.1	167.5	179.3	206.4	218.2	201.3	187.8	197.9	194.5
67.5°	2400.2	1288.9	179.3	153.9	169.1	192.8	206.4	191.1	179.3	194.5	189.4
70°	2725.0	1387.0	153.9	142.1	153.9	177.6	192.8	181.0	169.1	184.4	177.6
72.5°	2593.0	1087.6	133.6	128.6	140.4	160.7	179.3	167.5	155.6	164.1	157.3
75°	2237.8	866.0	116.7	115.0	125.2	145.5	164.1	155.6	143.8	147.2	143.8
77.5°	1696.6	715.5	99.8	98.1	106.6	130.2	147.2	140.4	128.6	126.9	126.9
80°	757.8	351.8	82.9	82.9	88.0	111.6	125.2	121.8	109.9	108.3	106.6
82.5°	248.6	133.6	67.7	64.3	71.0	93.0	111.6	108.3	96.4	93.0	89.6
85°	99.8	64.3	49.1	49.1	55.8	77.8	99.8	93.0	77.8	69.4	69.4
87.5°	33.8	27.1	25.4	25.4	35.5	52.4	74.4	62.6	55.8	49.1	50.7
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)