

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: P675261

Luminaire Tested: **CCW-SA-2A-735-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675261
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5444.3 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

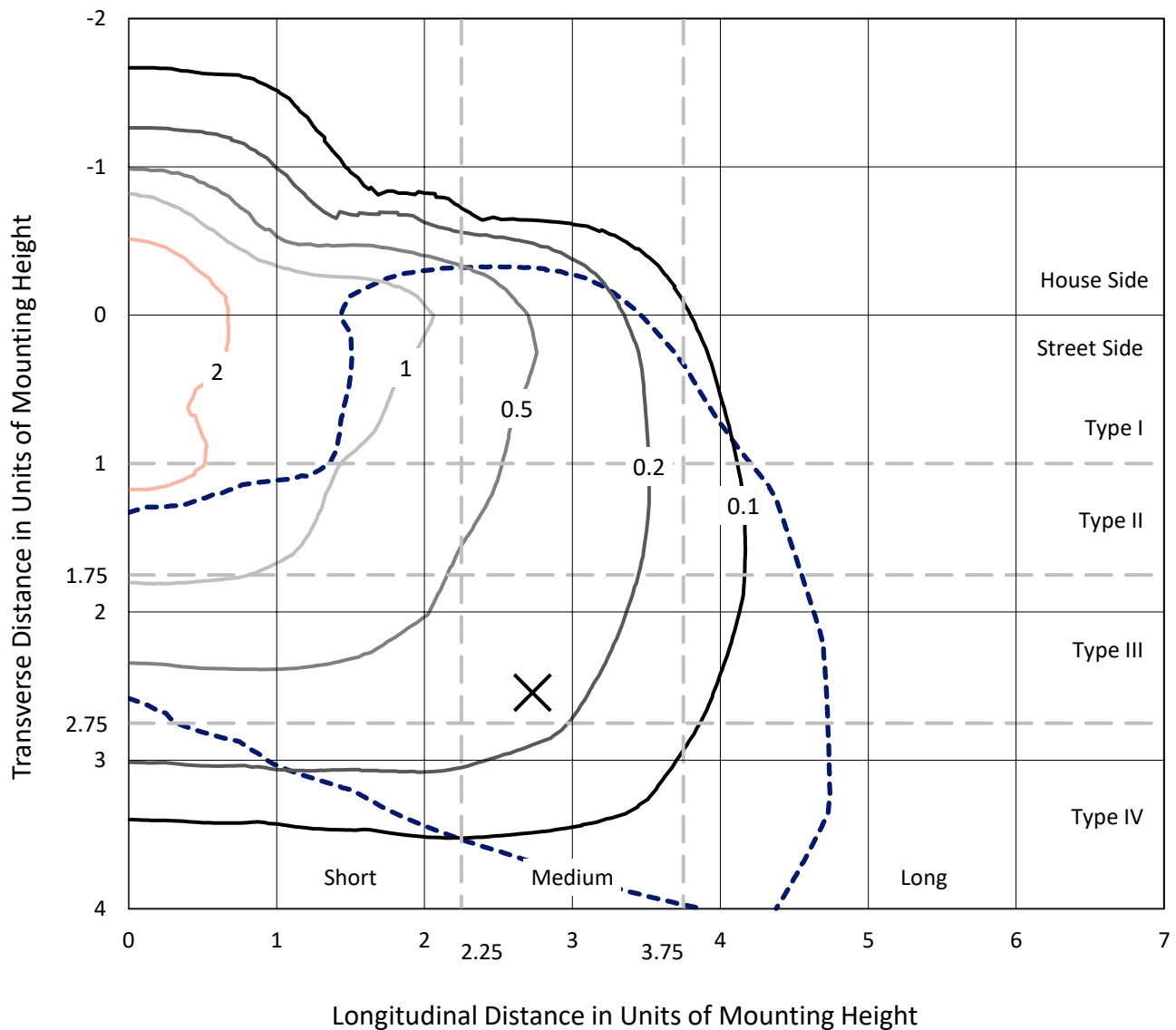
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

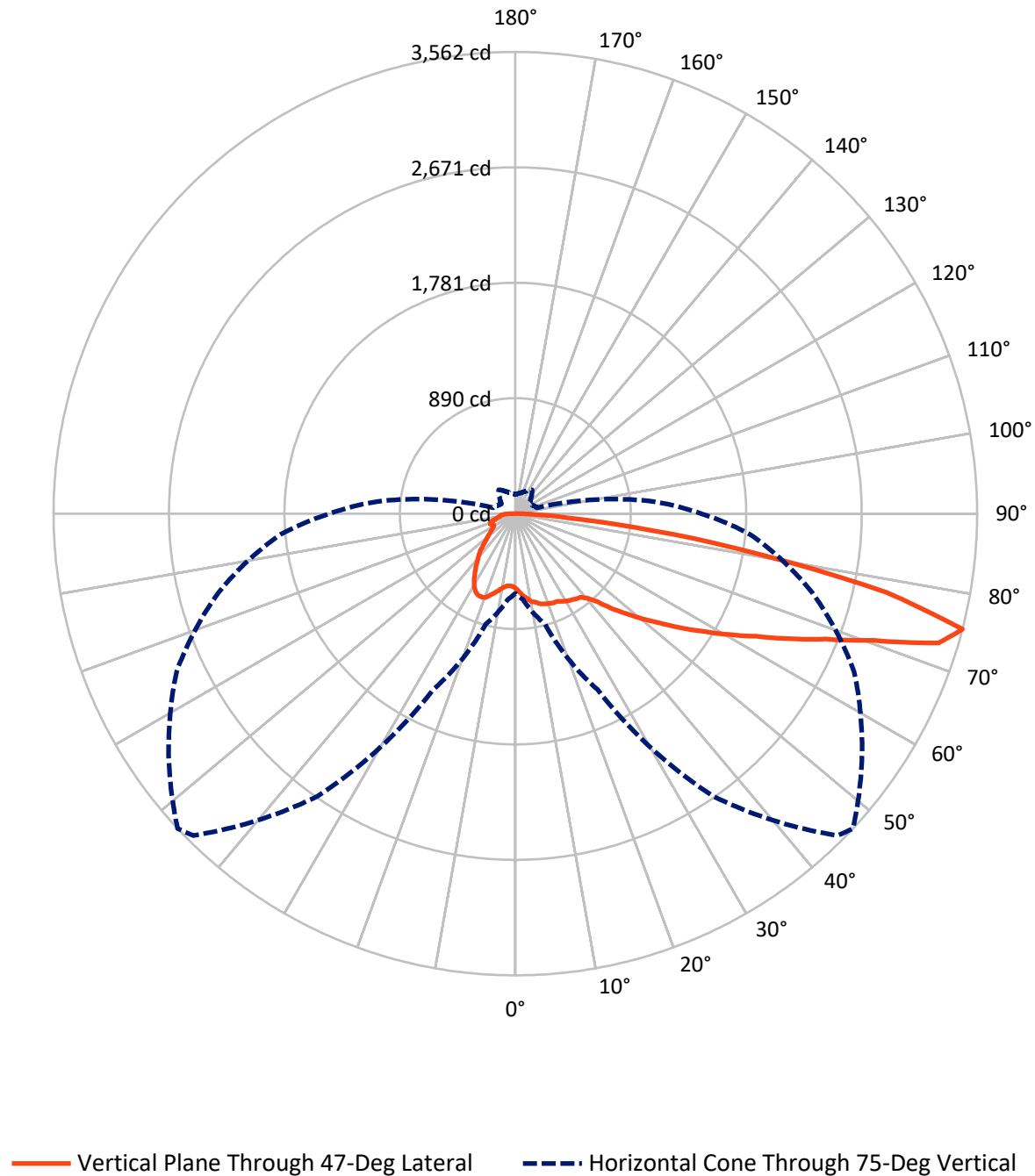
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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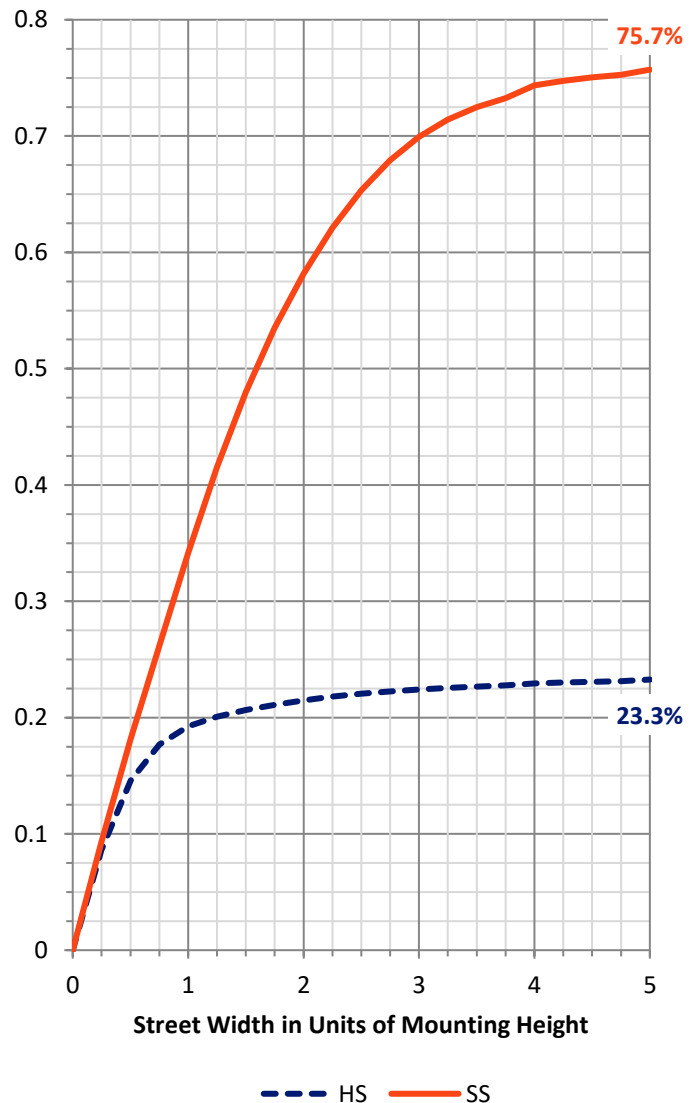
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1302.0	0.0	1302.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4142.3	0.0	4142.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	5444.3	0.0	5444.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.1
10°-20°	194.1	3.6
20°-30°	332.4	6.1
30°-40°	465.1	8.5
40°-50°	648.5	11.9
50°-60°	969.3	17.8
60°-70°	1397.5	25.7
70°-80°	1189.6	21.8
80°-90°	189.5	3.5
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°	5444.3	100.0
0°-180°	5444.3	100.0

Coefficient of Utilization



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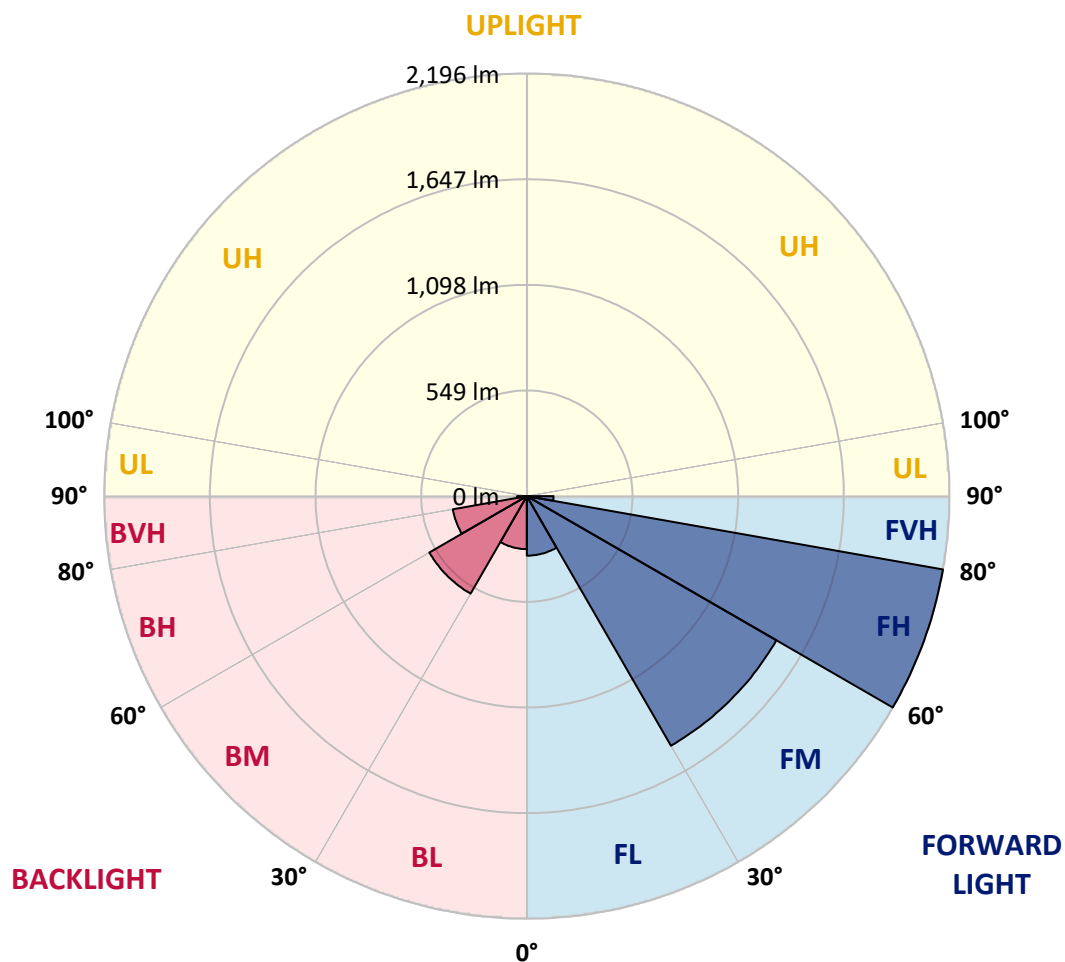
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.3	5.7			
FM	(30°-60°)	1497.7	27.5			
FH	(60°-80°)	2196.5	40.3			G2/5000
FVH	(80°-90°)	138.8	2.6			G2/225
BL	(0°-30°)	275.6	5.1	B1/500		
BM	(30°-60°)	585.2	10.7	B1/1000		
BH	(60°-80°)	390.6	7.2	B1/500		G1/500
BVH	(80°-90°)	50.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1
2.5°	619.8	621.8	621.8	617.8	613.8	605.9	605.9	597.9	594.0	584.0	580.1
5°	677.4	671.4	665.5	663.5	653.6	639.6	637.7	629.7	607.9	597.9	584.0
7.5°	719.1	717.1	715.1	707.2	689.3	667.5	661.5	649.6	627.7	607.9	592.0
10°	752.9	760.8	752.9	735.0	717.1	693.3	691.3	669.4	649.6	625.7	605.9
12.5°	790.6	792.6	778.7	756.9	729.0	709.2	701.2	693.3	671.4	651.6	621.8
15°	816.4	812.5	802.5	772.7	741.0	721.1	723.1	713.1	689.3	675.4	643.6
17.5°	816.4	816.4	800.6	778.7	750.9	733.0	733.0	727.1	711.2	691.3	669.4
20°	800.6	800.6	790.6	778.7	746.9	742.9	739.0	735.0	735.0	717.1	685.3
22.5°	780.7	776.7	780.7	760.8	739.0	742.9	748.9	746.9	741.0	725.1	703.2
25°	760.8	762.8	766.8	752.9	733.0	750.9	748.9	758.8	754.9	742.9	725.1
27.5°	758.8	762.8	764.8	750.9	742.9	758.8	766.8	776.7	778.7	766.8	744.9
30°	788.6	786.6	784.7	766.8	760.8	774.7	782.7	796.6	808.5	782.7	764.8
32.5°	866.1	854.2	842.3	794.6	776.7	786.6	794.6	814.5	816.4	802.5	776.7
35°	989.3	981.3	941.6	858.2	808.5	798.6	806.5	820.4	824.4	814.5	794.6
37.5°	1130.3	1126.3	1070.7	969.4	874.1	826.4	818.4	838.3	854.2	832.3	804.5
40°	1269.4	1253.5	1213.7	1114.4	957.5	868.1	858.2	868.1	874.1	858.2	840.3
42.5°	1394.5	1376.6	1366.7	1267.4	1066.7	937.6	929.7	905.8	923.7	903.9	880.0
45°	1499.8	1495.8	1491.9	1406.4	1191.9	1050.9	1044.9	983.3	1003.2	987.3	953.5
47.5°	1575.3	1593.2	1587.2	1539.5	1334.9	1172.0	1154.1	1074.7	1104.5	1088.6	1054.8
50°	1664.7	1674.6	1668.7	1636.9	1468.0	1311.1	1277.3	1195.9	1229.6	1227.7	1209.8
52.5°	1744.1	1773.9	1740.2	1738.2	1658.7	1462.1	1404.4	1327.0	1382.6	1404.4	1402.5
55°	1837.5	1861.3	1851.4	1847.4	1829.6	1609.1	1557.4	1464.0	1557.4	1589.2	1617.0
57.5°	1917.0	1915.0	1952.7	1998.4	2020.3	1777.9	1716.3	1607.1	1748.1	1783.9	1861.3
60°	1952.7	1986.5	2050.1	2165.3	2226.9	1958.7	1895.1	1807.7	1940.8	1968.6	2111.6
62.5°	1976.6	2006.4	2129.5	2324.2	2359.9	2143.4	2083.8	1996.4	2151.4	2171.2	2383.8
65°	1911.0	1938.8	2183.2	2383.8	2510.9	2342.1	2328.2	2236.8	2361.9	2373.9	2669.8
67.5°	1835.5	1865.3	2137.5	2459.3	2711.6	2606.3	2584.4	2475.2	2570.5	2556.6	2888.4
70°	1702.4	1742.2	2020.3	2524.8	2934.0	2975.8	2932.1	2777.1	2787.0	2655.9	2898.3
72.5°	1297.2	1323.0	1581.2	2264.6	3037.3	3488.3	3412.8	3102.9	2989.7	2675.8	2558.6
75°	615.8	663.5	882.0	1497.8	2661.9	3512.1	3561.8	3263.8	2882.4	2373.9	1813.7
77.5°	178.8	178.8	268.2	635.7	1668.7	2830.7	2924.1	2771.2	2377.8	1758.0	953.5
80°	97.3	103.3	141.0	224.5	733.0	1785.9	1920.9	1837.5	1400.5	695.3	246.3
82.5°	55.6	57.6	93.4	135.1	333.7	971.4	1050.9	953.5	532.4	210.6	115.2
85°	31.8	33.8	53.6	89.4	198.6	357.6	389.4	337.7	214.5	141.0	57.6
87.5°	15.9	15.9	25.8	41.7	101.3	101.3	99.3	121.2	129.1	85.4	25.8
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°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1
2.5°	578.1	576.1	576.1	568.1	566.1	560.2	560.2	556.2	554.2	560.2	560.2
5°	580.1	570.1	568.1	560.2	562.2	558.2	566.1	562.2	560.2	560.2	558.2
7.5°	584.0	574.1	566.1	560.2	558.2	564.2	574.1	574.1	586.0	580.1	580.1
10°	594.0	588.0	578.1	574.1	574.1	580.1	592.0	599.9	609.9	609.9	603.9
12.5°	617.8	607.9	595.9	590.0	597.9	603.9	615.8	623.8	635.7	639.6	635.7
15°	635.7	625.7	621.8	617.8	623.8	631.7	641.6	649.6	663.5	667.5	665.5
17.5°	659.5	647.6	645.6	647.6	651.6	657.5	663.5	669.4	679.4	679.4	679.4
20°	671.4	667.5	665.5	671.4	679.4	687.3	683.4	679.4	677.4	681.4	679.4
22.5°	693.3	689.3	691.3	697.3	697.3	693.3	687.3	673.4	669.4	673.4	669.4
25°	713.1	709.2	709.2	705.2	703.2	689.3	677.4	665.5	651.6	657.5	655.5
27.5°	733.0	731.0	731.0	715.1	695.3	671.4	655.5	641.6	633.7	643.6	637.7
30°	756.9	758.8	748.9	711.2	663.5	637.7	619.8	617.8	615.8	621.8	619.8
32.5°	778.7	780.7	764.8	705.2	639.6	590.0	572.1	574.1	584.0	594.0	603.9
35°	790.6	800.6	780.7	685.3	592.0	536.4	516.5	534.4	552.2	566.1	576.1
37.5°	812.5	838.3	804.5	663.5	550.3	488.7	474.8	480.7	502.6	524.4	534.4
40°	844.3	874.1	810.5	621.8	494.6	441.0	433.1	435.0	443.0	456.9	466.8
42.5°	899.9	931.7	816.4	568.1	439.0	411.2	389.4	383.4	377.4	377.4	375.4
45°	981.3	1011.1	808.5	500.6	383.4	363.5	347.6	333.7	317.8	292.0	296.0
47.5°	1100.5	1124.4	814.5	441.0	331.7	315.9	303.9	288.0	264.2	236.4	234.4
50°	1281.3	1245.5	806.5	379.4	294.0	280.1	270.2	248.3	220.5	200.6	198.6
52.5°	1491.9	1420.3	798.6	327.8	262.2	250.3	242.4	218.5	192.7	182.8	180.8
55°	1746.1	1642.8	810.5	282.1	238.4	228.4	220.5	198.6	178.8	170.8	168.9
57.5°	2046.1	1883.2	876.0	246.3	212.6	208.6	206.6	188.7	170.8	164.9	162.9
60°	2328.2	2113.6	919.7	220.5	188.7	192.7	196.7	188.7	168.9	164.9	164.9
62.5°	2564.6	2304.3	850.2	198.6	176.8	188.7	206.6	200.6	192.7	196.7	192.7
65°	2773.1	2369.9	635.7	186.7	170.8	198.6	228.4	226.5	208.6	212.6	210.6
67.5°	2808.9	2290.4	415.2	176.8	166.9	218.5	256.3	232.4	196.7	196.7	190.7
70°	2659.9	2077.9	278.1	166.9	164.9	218.5	262.2	218.5	184.7	184.7	176.8
72.5°	2183.2	1660.7	214.5	156.9	151.0	194.7	248.3	206.6	172.8	168.9	154.9
75°	1434.2	1070.7	174.8	149.0	131.1	170.8	224.5	190.7	164.9	153.0	147.0
77.5°	703.2	480.7	147.0	131.1	113.2	149.0	204.6	180.8	154.9	143.0	139.1
80°	192.7	172.8	123.2	115.2	95.4	129.1	192.7	172.8	145.0	133.1	127.1
82.5°	109.3	107.3	99.3	93.4	79.5	129.1	194.7	172.8	137.1	135.1	115.2
85°	59.6	63.6	71.5	69.5	61.6	115.2	184.7	151.0	111.2	93.4	93.4
87.5°	23.8	29.8	35.8	39.7	41.7	85.4	139.1	115.2	85.4	71.5	71.5
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)