

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: P675247

Luminaire Tested: **CCW-SA-1D-730-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675247
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4W distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5123.1 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

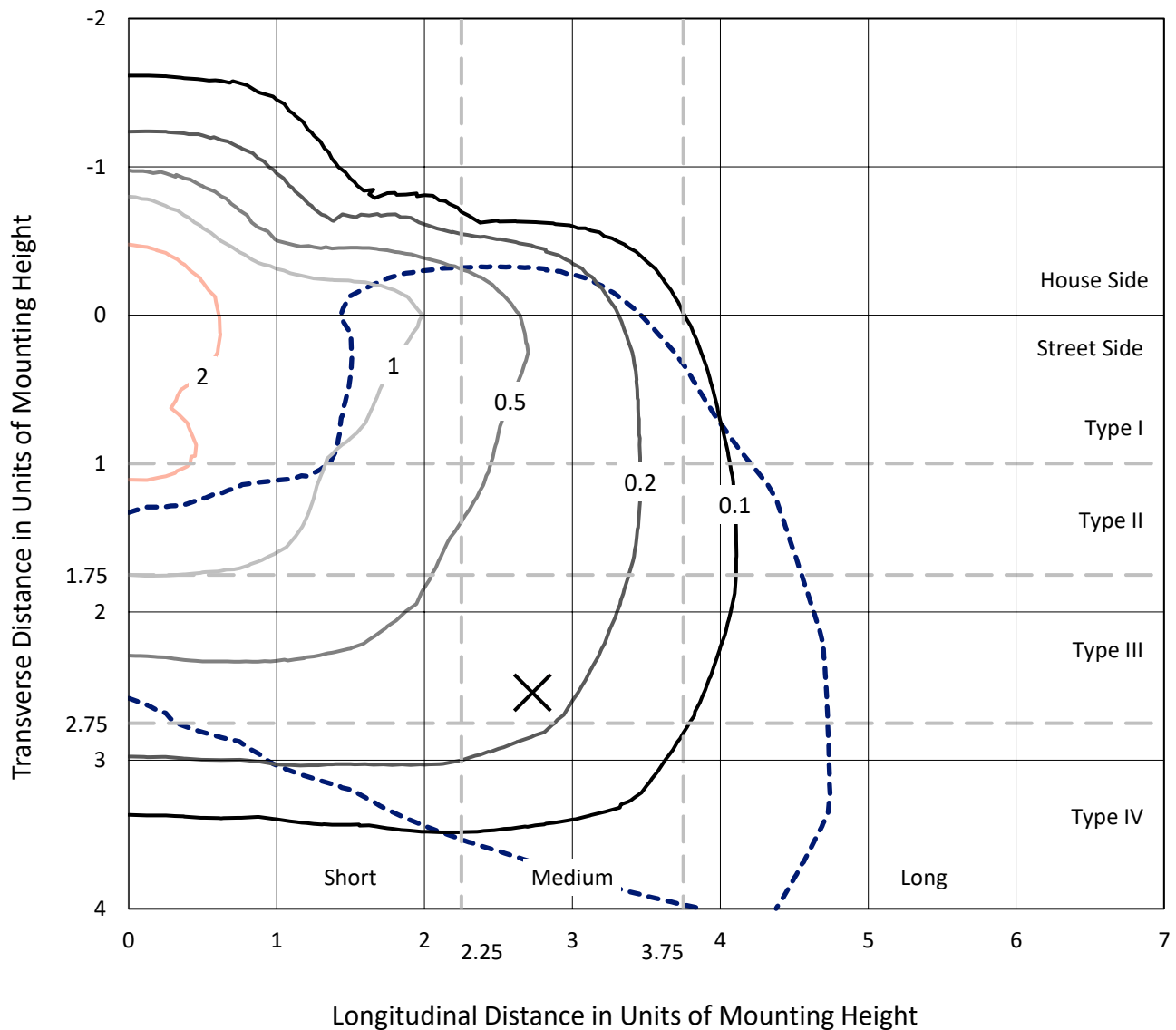
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

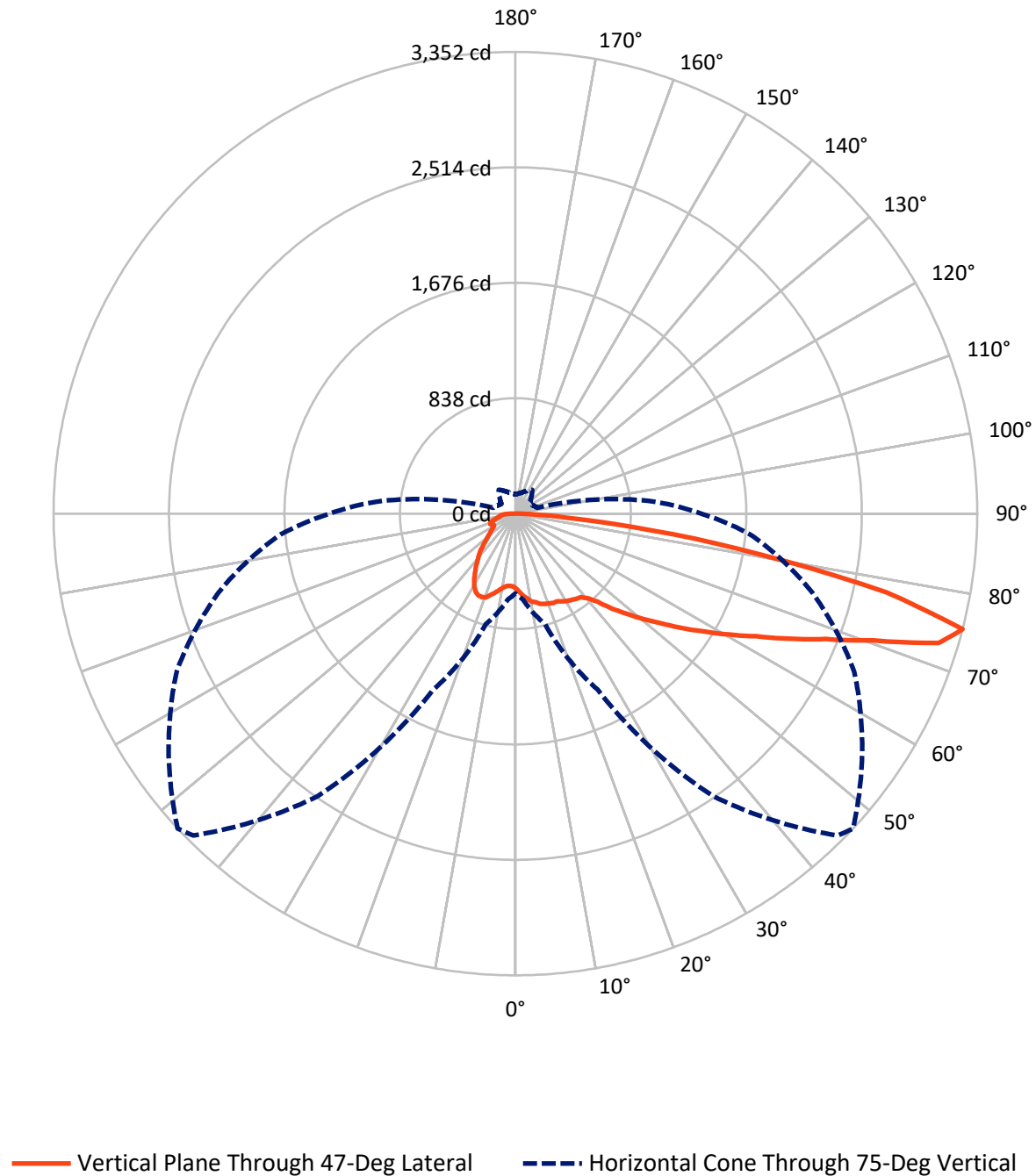
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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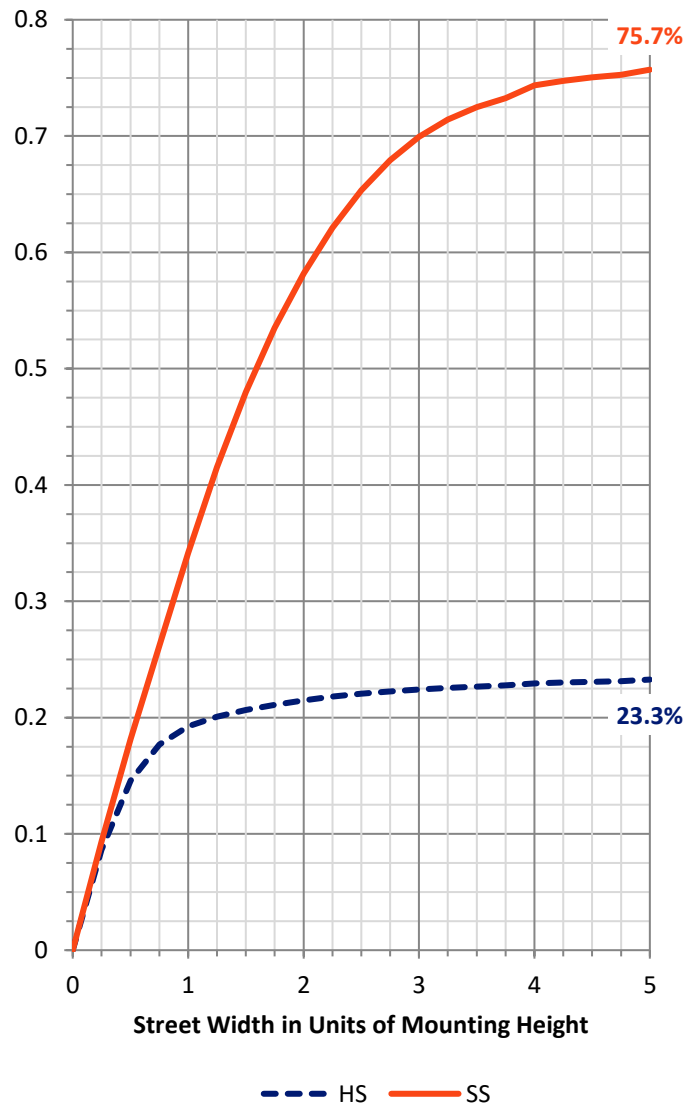
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.2	0.0	1225.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3897.9	0.0	3897.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	5123.1	0.0	5123.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	1.1
10°-20°	182.6	3.6
20°-30°	312.8	6.1
30°-40°	437.7	8.5
40°-50°	610.2	11.9
50°-60°	912.1	17.8
60°-70°	1315.0	25.7
70°-80°	1119.4	21.8
80°-90°	178.3	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°	5123.1	100.0
0°-180°	5123.1	100.0

Coefficient of Utilization



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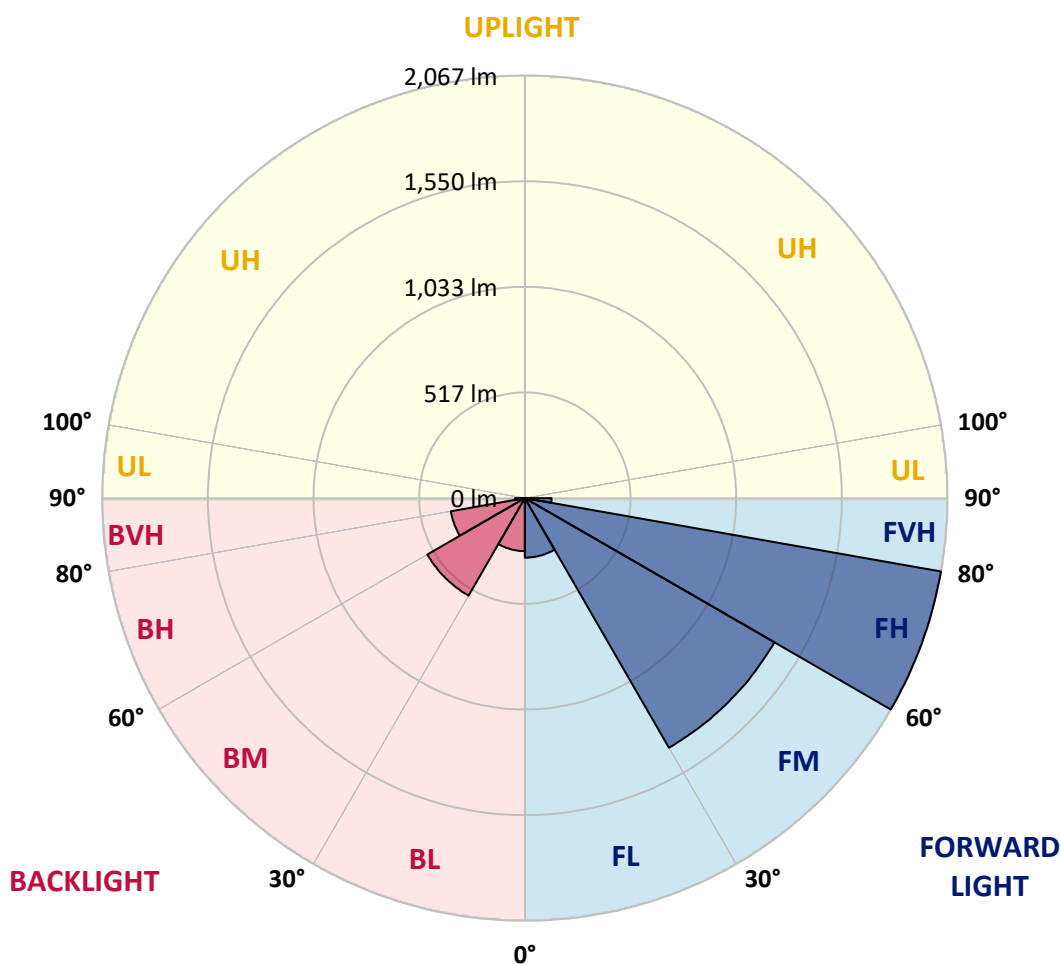
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.1	5.7			
FM	(30°-60°)	1409.3	27.5			
FH	(60°-80°)	2066.9	40.3			G2/5000
FVH	(80°-90°)	130.7	2.6			G2/225
BL	(0°-30°)	259.3	5.1	B1/500		
BM	(30°-60°)	550.6	10.7	B1/1000		
BH	(60°-80°)	367.6	7.2	B1/500		G1/500
BVH	(80°-90°)	47.7	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°	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
2.5°	583.2	585.1	585.1	581.4	577.6	570.1	570.1	562.7	558.9	549.6	545.8
5°	637.4	631.8	626.2	624.3	615.0	601.9	600.0	592.6	572.0	562.7	549.6
7.5°	676.7	674.8	672.9	665.5	648.6	628.1	622.5	611.3	590.7	572.0	557.1
10°	708.5	715.9	708.5	691.6	674.8	652.4	650.5	630.0	611.3	588.8	570.1
12.5°	744.0	745.9	732.8	712.2	686.0	667.3	659.9	652.4	631.8	613.1	585.1
15°	768.3	764.5	755.2	727.2	697.3	678.6	680.4	671.1	648.6	635.6	605.7
17.5°	768.3	768.3	753.3	732.8	706.6	689.8	689.8	684.2	669.2	650.5	630.0
20°	753.3	753.3	744.0	732.8	702.9	699.1	695.4	691.6	691.6	674.8	644.9
22.5°	734.6	730.9	734.6	715.9	695.4	699.1	704.7	702.9	697.3	682.3	661.7
25°	715.9	717.8	721.6	708.5	689.8	706.6	704.7	714.1	710.3	699.1	682.3
27.5°	714.1	717.8	719.7	706.6	699.1	714.1	721.6	730.9	732.8	721.6	701.0
30°	742.1	740.2	738.4	721.6	715.9	729.0	736.5	749.6	760.8	736.5	719.7
32.5°	815.0	803.8	792.6	747.7	730.9	740.2	747.7	766.4	768.3	755.2	730.9
35°	930.9	923.4	886.1	807.5	760.8	751.5	758.9	772.0	775.8	766.4	747.7
37.5°	1063.6	1059.9	1007.6	912.2	822.5	777.6	770.2	788.8	803.8	783.2	757.1
40°	1194.5	1179.5	1142.1	1048.7	901.0	816.9	807.5	816.9	822.5	807.5	790.7
42.5°	1312.3	1295.4	1286.1	1192.6	1003.8	882.3	874.8	852.4	869.2	850.5	828.1
45°	1411.3	1407.6	1403.8	1323.5	1121.6	988.9	983.3	925.3	944.0	929.0	897.3
47.5°	1482.4	1499.2	1493.6	1448.7	1256.2	1102.9	1086.1	1011.3	1039.3	1024.4	992.6
50°	1566.5	1575.8	1570.2	1540.3	1381.4	1233.7	1202.0	1125.3	1157.1	1155.2	1138.4
52.5°	1641.3	1669.3	1637.5	1635.6	1560.9	1375.8	1321.6	1248.7	1301.0	1321.6	1319.7
55°	1729.1	1751.5	1742.2	1738.5	1721.6	1514.1	1465.5	1377.7	1465.5	1495.4	1521.6
57.5°	1803.9	1802.0	1837.5	1880.5	1901.1	1673.0	1615.1	1512.3	1645.0	1678.6	1751.5
60°	1837.5	1869.3	1929.1	2037.5	2095.5	1843.1	1783.3	1701.1	1826.3	1852.5	1987.1
62.5°	1860.0	1888.0	2003.9	2187.1	2220.7	2017.0	1960.9	1878.7	2024.5	2043.2	2243.2
65°	1798.3	1824.4	2054.4	2243.2	2362.8	2203.9	2190.8	2104.8	2222.6	2233.8	2512.3
67.5°	1727.2	1755.3	2011.4	2314.2	2551.6	2452.5	2432.0	2329.2	2418.9	2405.8	2718.0
70°	1602.0	1639.4	1901.1	2375.9	2761.0	2800.2	2759.1	2613.3	2622.6	2499.3	2727.3
72.5°	1220.7	1245.0	1488.0	2131.0	2858.2	3282.5	3211.5	2919.9	2813.3	2518.0	2407.7
75°	579.5	624.3	830.0	1409.5	2504.9	3304.9	3351.7	3071.3	2712.4	2233.8	1706.7
77.5°	168.2	168.2	252.4	598.2	1570.2	2663.8	2751.6	2607.7	2237.6	1654.3	897.3
80°	91.6	97.2	132.7	211.2	689.8	1680.5	1807.6	1729.1	1317.9	654.3	231.8
82.5°	52.3	54.2	87.9	127.1	314.0	914.1	988.9	897.3	501.0	198.1	108.4
85°	29.9	31.8	50.5	84.1	186.9	336.5	366.4	317.8	201.9	132.7	54.2
87.5°	15.0	15.0	24.3	39.3	95.3	95.3	93.5	114.0	121.5	80.4	24.3
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°	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
2.5°	544.0	542.1	542.1	534.6	532.8	527.1	527.1	523.4	521.5	527.1	527.1
5°	545.8	536.5	534.6	527.1	529.0	525.3	532.8	529.0	527.1	527.1	525.3
7.5°	549.6	540.2	532.8	527.1	525.3	530.9	540.2	540.2	551.4	545.8	545.8
10°	558.9	553.3	544.0	540.2	540.2	545.8	557.1	564.5	573.9	573.9	568.3
12.5°	581.4	572.0	560.8	555.2	562.7	568.3	579.5	587.0	598.2	601.9	598.2
15°	598.2	588.8	585.1	581.4	587.0	594.4	603.8	611.3	624.3	628.1	626.2
17.5°	620.6	609.4	607.5	609.4	613.1	618.7	624.3	630.0	639.3	639.3	639.3
20°	631.8	628.1	626.2	631.8	639.3	646.8	643.0	639.3	637.4	641.2	639.3
22.5°	652.4	648.6	650.5	656.1	656.1	652.4	646.8	633.7	630.0	633.7	630.0
25°	671.1	667.3	667.3	663.6	661.7	648.6	637.4	626.2	613.1	618.7	616.9
27.5°	689.8	687.9	687.9	672.9	654.3	631.8	616.9	603.8	596.3	605.7	600.0
30°	712.2	714.1	704.7	669.2	624.3	600.0	583.2	581.4	579.5	585.1	583.2
32.5°	732.8	734.6	719.7	663.6	601.9	555.2	538.4	540.2	549.6	558.9	568.3
35°	744.0	753.3	734.6	644.9	557.1	504.7	486.0	502.8	519.7	532.8	542.1
37.5°	764.5	788.8	757.1	624.3	517.8	459.8	446.8	452.4	472.9	493.5	502.8
40°	794.5	822.5	762.7	585.1	465.5	415.0	407.5	409.4	416.9	429.9	439.3
42.5°	846.8	876.7	768.3	534.6	413.1	386.9	366.4	360.8	355.2	355.2	353.3
45°	923.4	951.5	760.8	471.1	360.8	342.1	327.1	314.0	299.1	274.8	278.5
47.5°	1035.6	1058.0	766.4	415.0	312.2	297.2	286.0	271.0	248.6	222.4	220.6
50°	1205.7	1172.1	758.9	357.0	276.7	263.6	254.2	233.7	207.5	188.8	186.9
52.5°	1403.8	1336.6	751.5	308.4	246.7	235.5	228.1	205.6	181.3	172.0	170.1
55°	1643.1	1545.9	762.7	265.4	224.3	215.0	207.5	186.9	168.2	160.8	158.9
57.5°	1925.4	1772.1	824.4	231.8	200.0	196.3	194.4	177.6	160.8	155.2	153.3
60°	2190.8	1988.9	865.5	207.5	177.6	181.3	185.1	177.6	158.9	155.2	155.2
62.5°	2413.3	2168.4	800.1	186.9	166.4	177.6	194.4	188.8	181.3	185.1	181.3
65°	2609.6	2230.1	598.2	175.7	160.8	186.9	215.0	213.1	196.3	200.0	198.1
67.5°	2643.2	2155.3	390.7	166.4	157.0	205.6	241.1	218.7	185.1	185.1	179.5
70°	2503.0	1955.3	261.7	157.0	155.2	205.6	246.7	205.6	173.8	173.8	166.4
72.5°	2054.4	1562.7	201.9	147.7	142.1	183.2	233.7	194.4	162.6	158.9	145.8
75°	1349.6	1007.6	164.5	140.2	123.4	160.8	211.2	179.5	155.2	143.9	138.3
77.5°	661.7	452.4	138.3	123.4	106.6	140.2	192.5	170.1	145.8	134.6	130.9
80°	181.3	162.6	115.9	108.4	89.7	121.5	181.3	162.6	136.5	125.2	119.6
82.5°	102.8	100.9	93.5	87.9	74.8	121.5	183.2	162.6	129.0	127.1	108.4
85°	56.1	59.8	67.3	65.4	57.9	108.4	173.8	142.1	104.7	87.9	87.9
87.5°	22.4	28.0	33.6	37.4	39.3	80.4	130.9	108.4	80.4	67.3	67.3
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)