

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: P674374

Luminaire Tested: **CCP-SA-1E-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674374
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

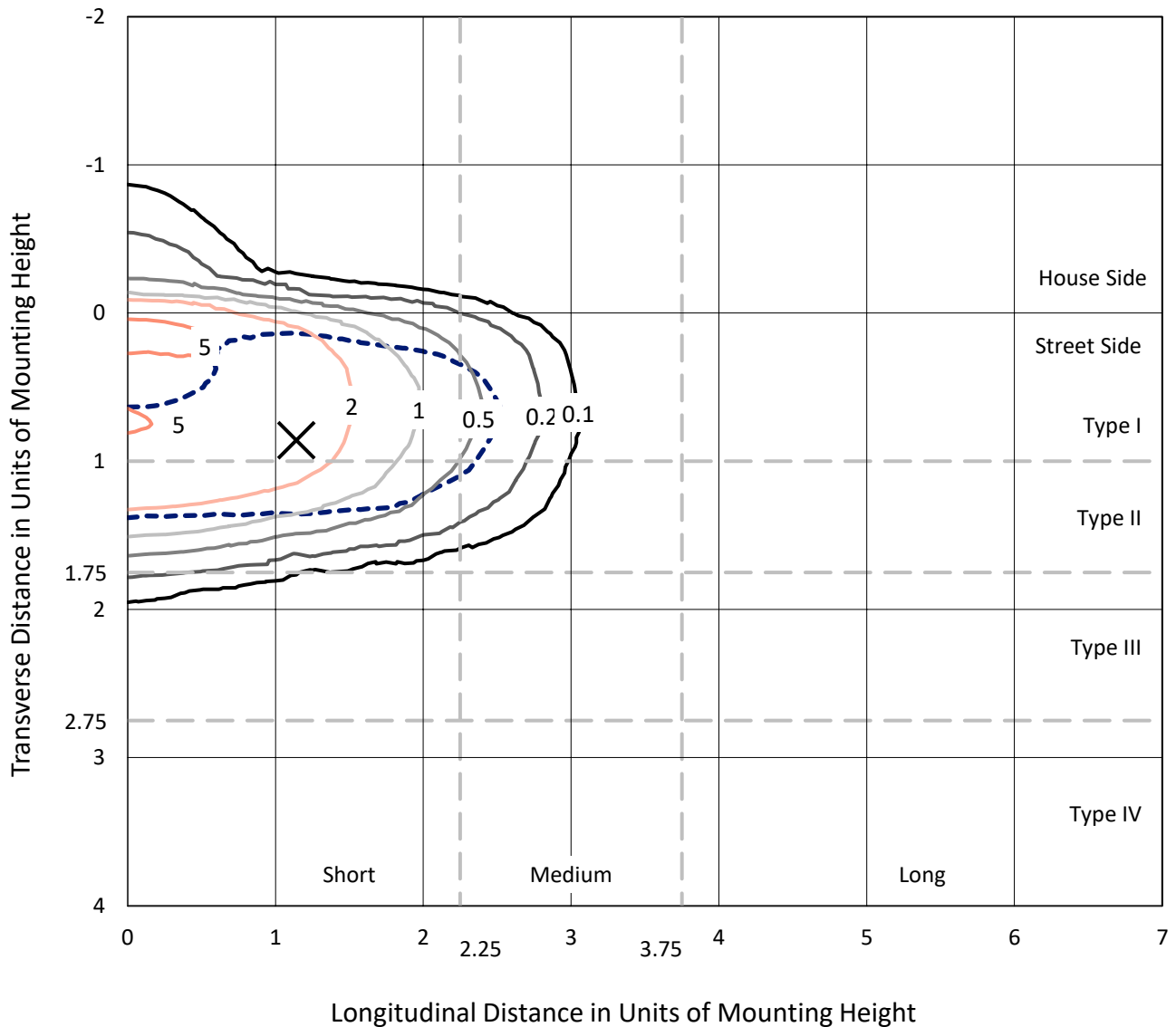
Lumens per Lamp: N/A
Luminaire Lumens: 4176.3 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
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

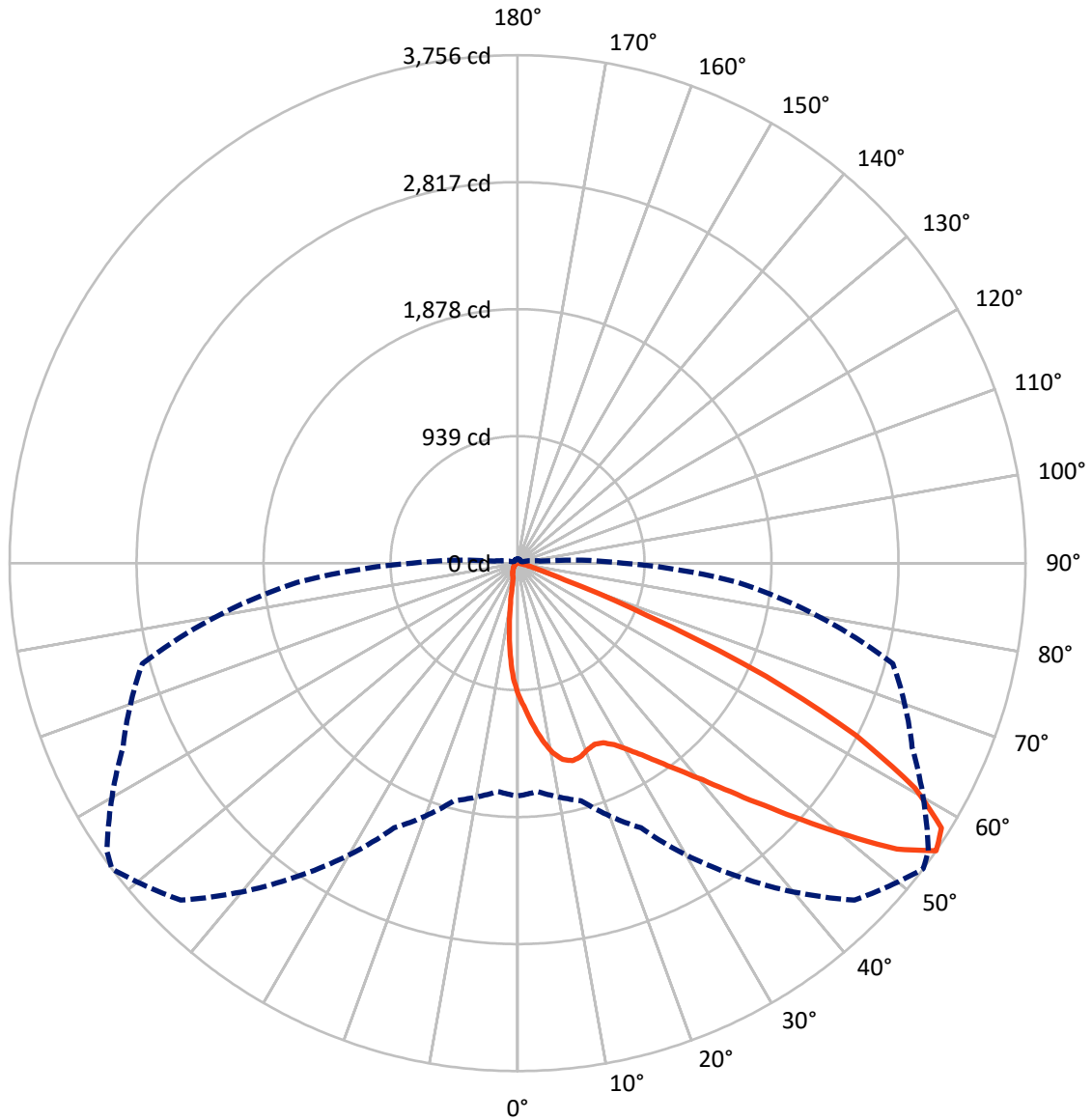
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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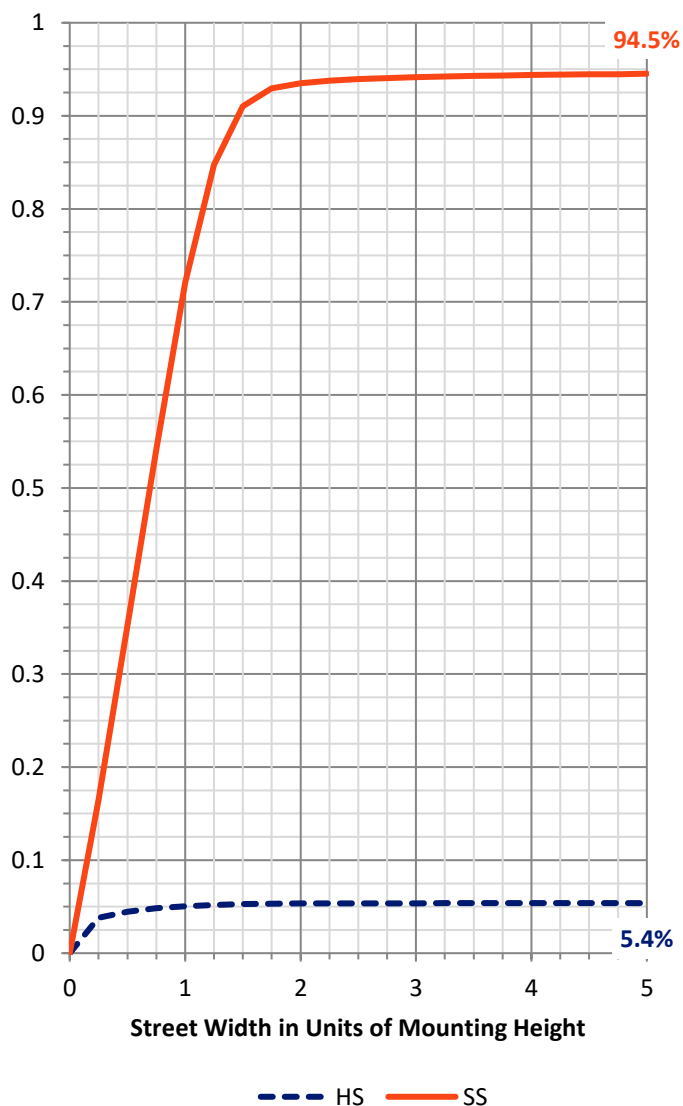
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.8	0.0	225.8
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3950.5	0.0	3950.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	4176.3	0.0	4176.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	2.1
10°-20°	228.3	5.5
20°-30°	382.1	9.2
30°-40°	625.2	15.0
40°-50°	1005.0	24.1
50°-60°	1134.7	27.2
60°-70°	605.2	14.5
70°-80°	99.5	2.4
80°-90°	8.9	0.2
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°	4176.3	100.0
0°-180°	4176.3	100.0



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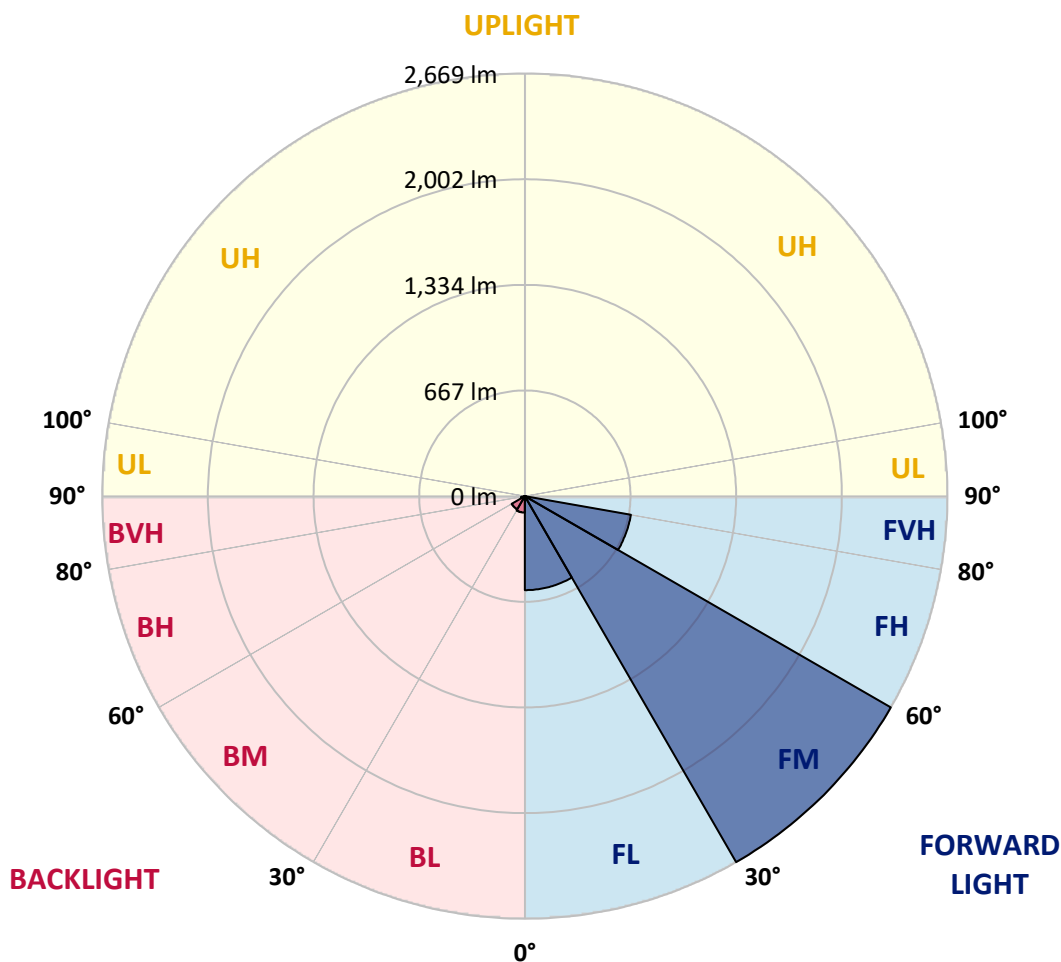
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.7	14.2			
FM (30°-60°)	2668.7	63.9			
FH (60°-80°)	680.0	16.3			G1/1800
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	104.2	2.5	B0/110		
BM (30°-60°)	96.2	2.3	B0/220		
BH (60°-80°)	24.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	1172.0	1165.1	1169.1	1158.5	1139.1	1114.9	1078.7	1080.5	1052.0	1027.1	992.7
5°	1365.6	1358.3	1356.1	1329.0	1301.9	1258.4	1204.6	1195.8	1143.5	1080.2	1008.1
7.5°	1467.7	1461.4	1466.2	1456.3	1429.6	1390.1	1322.0	1315.4	1234.6	1138.7	1032.6
10°	1420.8	1418.6	1438.8	1462.2	1483.8	1479.0	1424.5	1414.2	1323.5	1203.1	1057.8
12.5°	1295.0	1301.9	1327.5	1370.7	1437.3	1499.9	1491.1	1492.9	1414.2	1273.0	1085.7
15°	1221.0	1229.5	1244.1	1266.4	1348.4	1459.6	1516.3	1534.6	1501.3	1350.9	1118.6
17.5°	1214.8	1221.8	1224.0	1232.4	1280.3	1394.8	1506.1	1540.8	1578.9	1424.5	1155.5
20°	1262.8	1265.7	1263.9	1257.6	1274.8	1359.7	1473.9	1523.6	1642.9	1502.8	1188.1
22.5°	1353.1	1348.7	1343.3	1320.2	1319.1	1369.6	1456.3	1508.3	1681.0	1567.6	1209.7
25°	1465.1	1456.0	1448.3	1415.7	1400.3	1421.2	1472.1	1513.8	1715.4	1630.5	1225.1
27.5°	1587.3	1590.2	1571.2	1527.3	1503.2	1498.8	1520.7	1551.8	1748.7	1686.8	1233.5
30°	1717.9	1719.4	1694.5	1649.2	1627.2	1599.0	1597.6	1616.2	1784.5	1751.6	1241.5
32.5°	1866.9	1870.9	1830.3	1783.1	1744.7	1708.1	1690.1	1705.9	1848.9	1836.1	1258.0
35°	2082.0	2064.5	2009.6	1938.2	1883.7	1835.8	1808.3	1818.6	1934.6	1937.5	1290.9
37.5°	2303.8	2301.9	2241.2	2138.4	2049.1	1989.5	1942.6	1959.4	2054.9	2073.2	1343.6
40°	2510.5	2515.3	2462.6	2372.9	2258.0	2155.6	2105.4	2116.8	2214.9	2237.9	1407.7
42.5°	2645.5	2643.0	2647.0	2621.4	2506.1	2385.4	2310.0	2316.2	2400.7	2412.8	1487.8
45°	2707.7	2697.9	2732.2	2813.5	2767.7	2640.8	2554.8	2547.1	2593.6	2590.3	1560.6
47.5°	2653.9	2635.6	2714.7	2910.4	2999.0	2960.6	2837.6	2823.7	2784.2	2757.9	1636.3
50°	2386.5	2378.4	2547.5	2864.3	3144.3	3256.2	3165.9	3114.3	2954.4	2881.5	1676.2
52.5°	2132.2	2109.8	2224.0	2629.1	3079.5	3494.1	3512.7	3420.9	3095.6	2917.0	1662.7
55°	1722.3	1694.9	1819.3	2160.0	2823.0	3524.4	3756.4	3708.5	3219.3	2873.1	1635.3
57.5°	1046.1	1019.1	1202.0	1547.1	2257.7	3272.0	3696.4	3745.1	3314.4	2824.8	1617.3
60°	439.8	422.6	494.3	738.4	1441.7	2689.1	3378.1	3499.6	3332.3	2758.6	1624.6
62.5°	228.7	221.0	225.0	295.7	582.9	1770.6	2811.7	3023.1	3151.6	2729.3	1632.0
65°	171.6	165.8	153.0	162.5	226.5	765.5	2020.6	2303.8	2759.7	2655.0	1582.6
67.5°	140.9	135.4	126.2	123.3	133.6	265.7	1031.5	1399.6	2162.5	2338.5	1405.5
70°	112.3	110.5	107.6	102.1	100.3	128.8	369.9	570.5	1430.0	1649.2	1018.7
72.5°	93.7	94.0	90.7	86.0	79.4	83.1	147.5	195.0	691.9	790.7	426.7
75°	78.3	78.3	79.4	72.8	66.2	57.1	82.0	95.1	222.1	182.6	91.1
77.5°	61.5	62.2	67.0	61.5	53.1	35.9	44.6	50.9	65.9	52.7	33.3
80°	49.0	48.3	46.5	55.3	47.6	25.2	21.2	23.4	30.7	25.2	16.5
82.5°	34.4	34.0	32.6	37.3	37.0	18.7	13.9	14.3	18.7	16.1	10.2
85°	8.4	9.9	20.9	17.6	15.4	11.0	8.4	9.1	12.1	10.6	5.5
87.5°	3.7	3.7	9.5	11.3	7.3	4.8	3.7	4.0	6.2	6.2	3.3
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°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	980.6	956.9	926.8	895.0	862.4	823.3	798.4	777.9	761.8	749.4	745.0
5°	984.3	938.6	870.5	786.0	700.0	619.5	557.3	511.2	473.1	452.3	443.1
7.5°	983.9	923.2	800.2	658.6	518.9	402.9	320.5	269.7	235.6	221.7	213.3
10°	983.6	903.1	720.1	517.4	346.9	233.5	172.0	143.4	131.0	126.2	125.5
12.5°	994.2	880.0	630.5	380.9	217.7	145.3	119.7	113.1	110.1	108.7	108.3
15°	1000.0	858.8	536.1	268.9	146.7	114.9	106.8	103.9	102.8	102.1	101.7
17.5°	1006.3	825.9	446.4	194.7	117.5	104.3	99.5	97.7	97.0	97.0	97.0
20°	1007.3	790.4	357.5	143.4	104.3	97.3	92.6	90.7	89.6	88.9	88.9
22.5°	999.3	748.3	281.0	116.4	96.6	90.7	85.6	82.7	80.9	80.5	80.5
25°	979.2	688.6	215.5	102.1	90.4	84.2	77.9	74.6	73.2	73.2	73.2
27.5°	950.3	618.4	166.5	90.7	82.3	76.1	70.6	67.7	67.3	67.0	67.3
30°	917.3	550.7	127.3	80.5	72.8	67.7	63.3	61.8	62.6	62.6	62.9
32.5°	884.4	483.0	99.5	72.5	64.4	60.0	57.8	57.8	58.9	58.9	58.9
35°	856.2	416.8	83.4	65.9	58.5	54.9	53.8	54.9	55.6	56.0	56.0
37.5°	840.5	359.7	73.5	60.0	53.8	50.9	50.5	51.6	53.1	54.2	54.5
40°	834.6	315.8	67.7	55.6	49.4	47.6	47.2	48.7	51.2	53.1	53.4
42.5°	835.0	277.0	62.6	51.2	46.5	43.9	43.9	46.1	48.7	50.5	50.5
45°	837.6	243.7	57.4	46.8	43.9	39.5	39.9	42.8	44.6	46.5	46.5
47.5°	839.8	217.0	52.0	42.1	38.1	35.9	36.6	38.8	41.3	44.3	44.3
50°	827.0	198.0	46.5	37.0	33.3	32.6	34.0	35.9	39.5	42.4	42.8
52.5°	796.2	180.8	41.7	32.9	30.0	30.4	32.2	33.3	36.2	36.6	37.0
55°	782.7	172.0	38.1	30.0	27.4	28.5	29.6	30.0	29.3	27.4	27.4
57.5°	779.8	166.1	34.4	27.1	25.2	26.7	26.3	24.2	22.0	19.8	19.4
60°	782.7	158.1	31.5	23.4	23.1	23.4	22.3	18.3	15.4	13.9	13.2
62.5°	765.8	146.4	28.9	20.1	20.1	19.8	16.8	12.4	9.9	8.8	8.4
65°	710.2	123.3	26.3	16.8	16.5	15.7	11.3	8.4	6.6	5.5	5.1
67.5°	600.8	95.5	23.8	13.9	13.2	11.0	7.3	5.5	3.7	3.3	2.9
70°	409.8	59.3	20.1	11.0	9.9	7.0	4.4	3.3	2.2	1.8	1.5
72.5°	148.6	34.4	16.8	8.4	6.6	4.4	2.6	1.5	1.1	1.1	0.7
75°	35.1	24.2	12.8	6.2	4.4	2.6	1.5	1.1	0.7	0.7	0.4
77.5°	16.1	18.7	8.4	3.7	2.9	1.8	1.1	0.7	0.4	0.4	0.0
80°	9.1	13.2	4.0	2.6	2.2	1.5	0.7	0.4	0.4	0.0	0.0
82.5°	4.8	7.3	2.9	2.2	1.8	1.1	0.7	0.0	0.0	0.0	0.0
85°	3.3	3.7	2.2	1.8	1.5	1.1	0.7	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.2	1.8	1.5	1.1	0.4	0.0	0.0	0.0	0.0
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)