

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: P674519

Luminaire Tested: **CCP-SA-1F-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674519
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-722-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

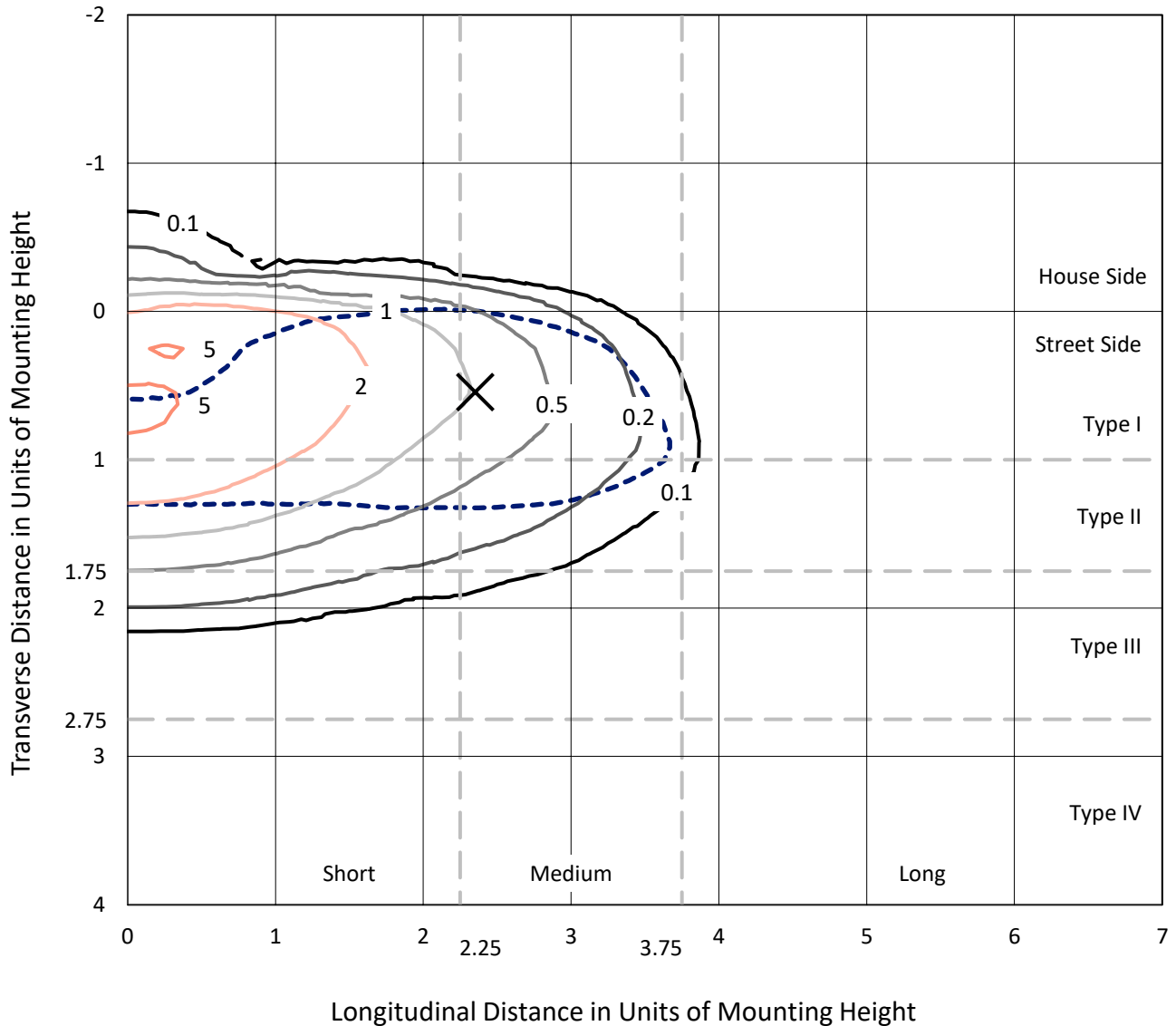
Lumens per Lamp: N/A
Luminaire Lumens: 4471.8 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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

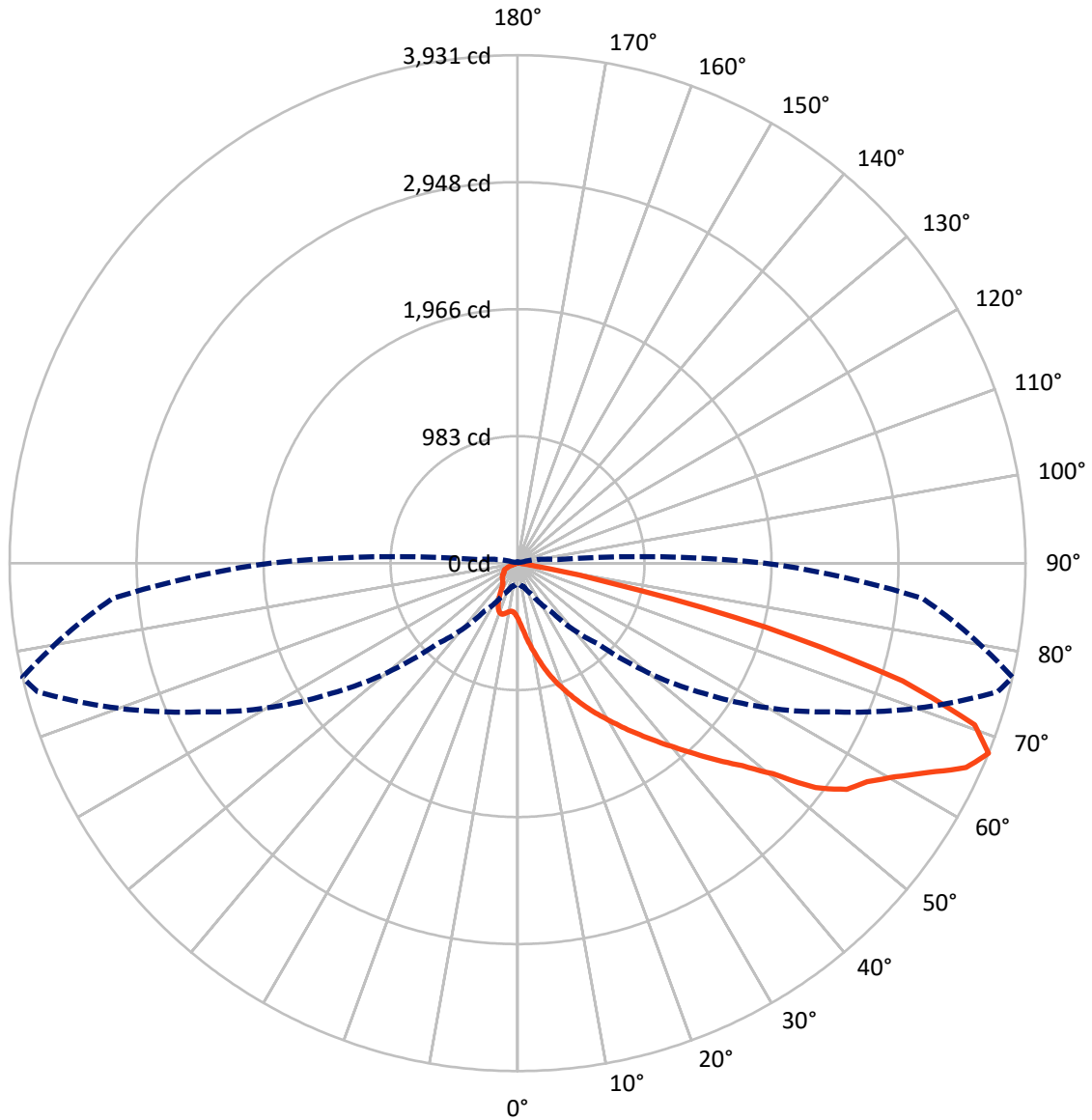
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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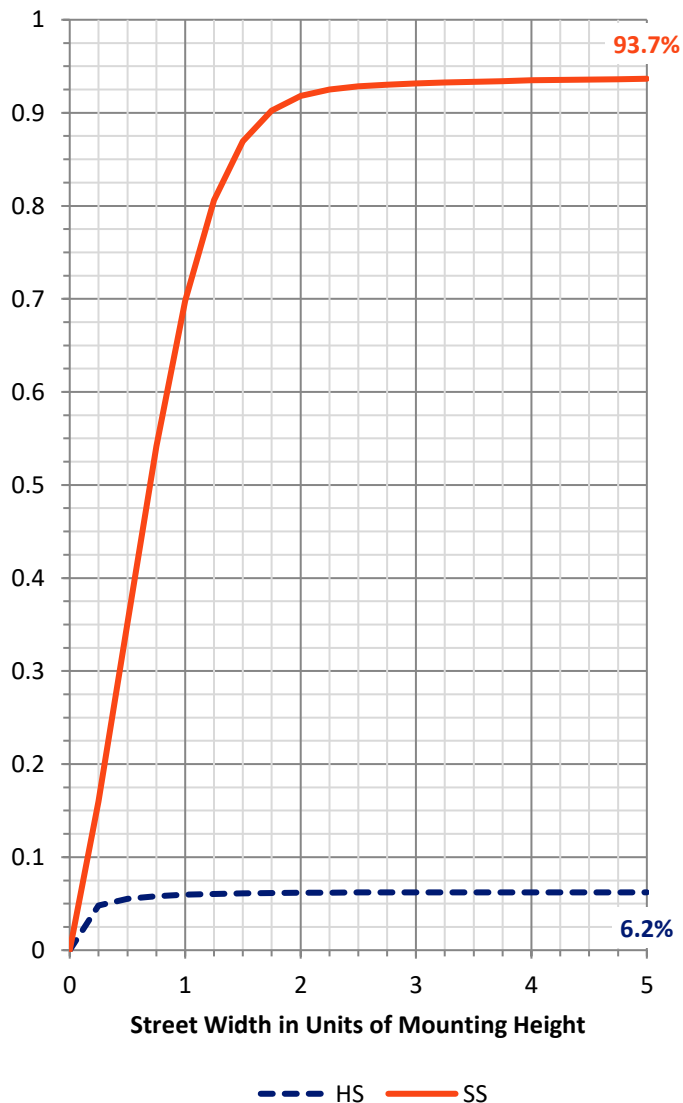
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.4	0.0	279.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4192.4	0.0	4192.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	4471.8	0.0	4471.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.1
10°-20°	186.1	4.2
20°-30°	363.7	8.1
30°-40°	635.8	14.2
40°-50°	927.3	20.7
50°-60°	1084.3	24.2
60°-70°	879.0	19.7
70°-80°	330.2	7.4
80°-90°	15.0	0.3
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°	4471.8	100.0
0°-180°	4471.8	100.0



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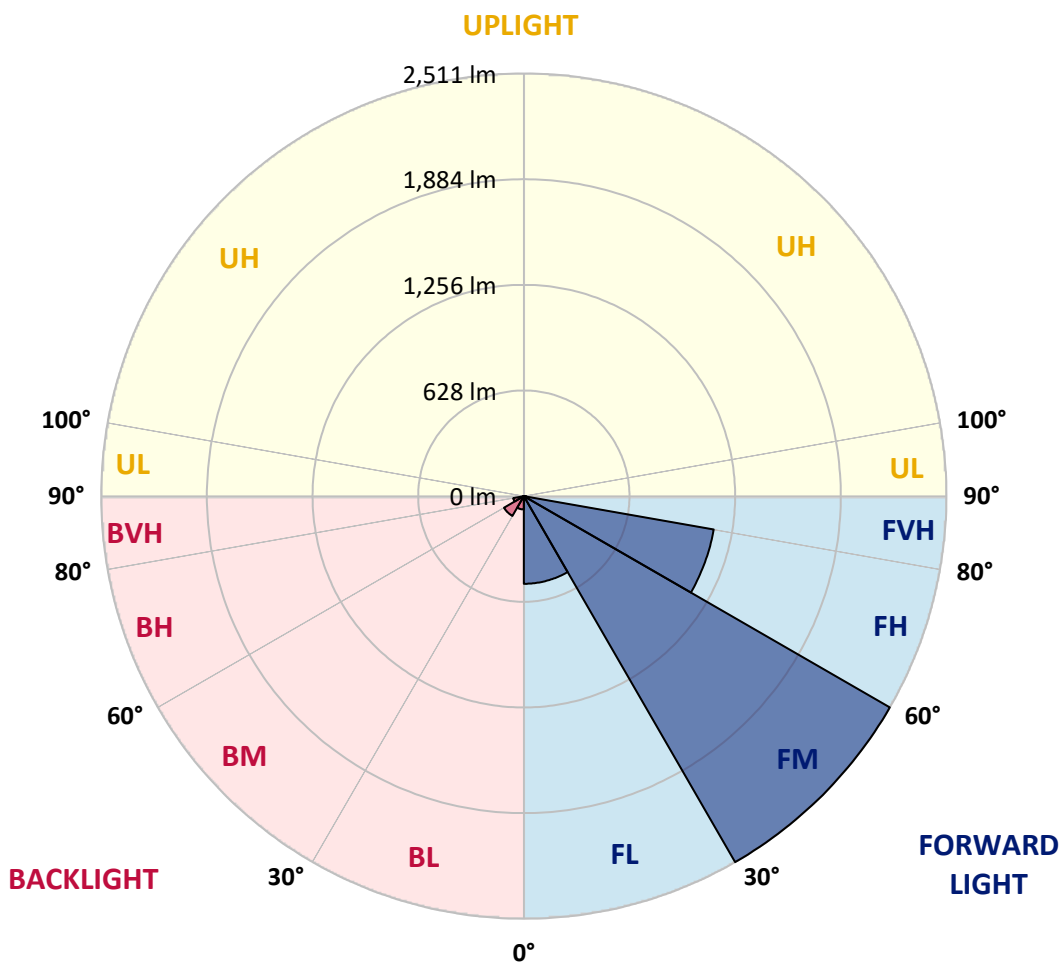
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.9	11.6			
FM (30°-60°)	2511.5	56.2			
FH (60°-80°)	1145.8	25.6			G1/1800
FVH (80°-90°)	14.1	0.3			G1/100
BL (0°-30°)	79.2	1.8	B0/110		
BM (30°-60°)	136.0	3.0	B0/220		
BH (60°-80°)	63.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3
2.5°	643.1	619.7	624.1	614.4	601.9	572.8	542.2	511.5	484.0	478.0	450.5
5°	823.5	816.3	808.6	802.1	775.9	739.6	684.3	614.0	550.6	539.7	482.8
7.5°	963.6	952.7	959.6	939.8	912.3	877.2	807.0	731.9	634.2	618.1	529.6
10°	1067.0	1060.9	1064.1	1054.8	1041.5	1006.4	937.0	842.9	729.9	699.2	582.1
12.5°	1144.5	1145.7	1159.8	1160.6	1149.7	1121.0	1047.6	949.5	816.7	789.2	640.3
15°	1201.0	1202.2	1219.5	1238.1	1250.6	1235.7	1169.1	1059.3	918.8	881.3	701.2
17.5°	1210.3	1211.1	1241.8	1279.3	1318.0	1331.0	1279.7	1168.3	1012.1	969.3	771.0
20°	1216.3	1223.2	1250.6	1293.8	1355.2	1395.2	1367.3	1272.8	1102.5	1052.8	839.7
22.5°	1289.8	1289.8	1305.9	1336.6	1385.5	1448.0	1442.4	1368.9	1190.5	1141.2	907.9
25°	1445.6	1445.6	1429.9	1421.8	1448.0	1497.3	1511.4	1471.5	1291.0	1232.9	979.8
27.5°	1651.9	1651.9	1627.3	1567.9	1545.3	1565.9	1580.9	1560.7	1383.9	1326.5	1055.7
30°	1865.9	1873.1	1830.3	1754.8	1675.7	1660.0	1645.4	1641.0	1482.8	1418.2	1132.8
32.5°	2080.6	2079.8	2026.5	1932.5	1829.1	1773.4	1726.2	1720.9	1587.7	1524.3	1205.8
35°	2252.2	2252.6	2196.5	2100.0	1980.5	1909.5	1833.6	1808.9	1702.8	1632.1	1293.0
37.5°	2400.7	2392.3	2331.7	2240.1	2128.7	2055.2	1960.7	1896.5	1821.9	1750.0	1380.2
40°	2485.9	2474.6	2415.7	2328.5	2244.1	2188.0	2104.8	2002.3	1952.7	1875.1	1479.5
42.5°	2498.4	2488.8	2449.6	2397.1	2328.1	2278.8	2256.6	2121.8	2089.9	2019.7	1598.2
45°	2463.3	2447.6	2434.7	2407.2	2387.8	2364.0	2394.3	2249.0	2247.3	2177.5	1715.7
47.5°	2376.1	2354.7	2358.0	2388.2	2410.0	2431.4	2525.9	2415.7	2406.0	2340.6	1869.9
50°	2227.2	2216.7	2252.2	2311.9	2398.3	2483.9	2657.1	2586.0	2624.4	2563.0	2082.6
52.5°	1924.4	1937.3	2043.5	2187.2	2336.6	2508.5	2780.2	2840.4	2938.5	2888.0	2296.6
55°	1561.1	1556.2	1697.9	1953.1	2191.6	2492.8	2833.9	2990.1	3144.3	3091.5	2415.7
57.5°	1257.5	1266.0	1361.6	1614.0	1945.8	2371.3	2846.4	3068.5	3227.1	3192.0	2525.9
60°	943.8	951.9	1039.1	1258.7	1618.8	2117.8	2743.1	3095.9	3382.5	3355.9	2701.9
62.5°	600.7	611.2	698.8	912.3	1237.3	1723.8	2511.0	3067.2	3544.8	3567.0	2942.1
65°	295.5	304.8	369.4	532.9	827.2	1289.0	2187.2	2957.8	3751.5	3814.9	3134.7
67.5°	163.5	167.9	190.1	271.3	461.4	884.1	1757.7	2724.1	3846.4	3931.1	3147.6
70°	127.2	128.4	136.9	158.2	224.9	518.7	1250.2	2334.9	3649.8	3752.3	2885.6
72.5°	107.0	108.6	112.6	119.9	140.5	270.1	785.6	1804.5	3070.9	3117.3	2232.4
75°	78.3	80.7	92.0	98.5	111.0	163.9	346.4	1084.3	2029.4	1983.7	1249.0
77.5°	65.8	67.8	70.6	79.9	91.6	111.8	121.5	454.6	826.0	718.2	327.8
80°	44.8	47.2	54.9	59.7	77.5	73.9	50.5	121.9	165.9	135.2	63.0
82.5°	31.9	33.9	37.9	48.8	56.1	39.2	27.5	37.1	40.0	37.9	20.6
85°	10.1	12.9	27.5	40.4	30.3	13.3	17.4	14.1	12.5	12.1	8.1
87.5°	2.0	2.0	13.7	16.1	12.1	6.9	6.1	4.4	5.7	5.7	4.4
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°	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3
2.5°	437.6	419.4	393.2	368.6	343.5	325.8	313.3	300.7	295.9	293.9	288.6
5°	457.0	422.3	370.2	328.2	297.5	278.1	266.4	256.3	249.9	247.9	245.0
7.5°	484.8	434.8	360.1	311.6	281.0	260.0	241.0	219.2	201.8	195.0	192.2
10°	515.1	453.7	361.7	308.4	267.6	221.6	179.2	144.1	128.8	123.1	119.1
12.5°	559.5	474.7	368.6	304.8	227.7	158.2	114.6	100.1	96.5	95.7	94.9
15°	603.9	504.2	379.9	280.6	170.0	107.8	95.3	90.0	88.0	86.0	86.0
17.5°	648.7	532.5	384.3	233.3	117.5	93.3	86.8	82.4	79.1	77.5	76.3
20°	699.2	562.3	371.4	175.6	94.1	85.2	77.9	72.7	69.8	68.2	67.0
22.5°	753.7	591.8	343.1	122.3	85.6	76.7	69.8	64.6	61.8	60.1	59.7
25°	805.0	617.2	297.9	92.0	77.1	68.6	62.2	57.7	55.7	54.1	53.7
27.5°	857.8	639.0	239.0	81.1	70.2	62.2	55.7	52.1	50.1	48.8	48.4
30°	909.5	654.0	178.0	74.3	64.2	56.1	50.5	47.6	45.6	44.4	44.0
32.5°	962.8	662.5	120.3	68.2	58.1	50.9	46.0	43.2	42.0	40.8	40.8
35°	1014.1	661.2	86.8	62.6	53.3	46.0	41.6	39.6	39.2	37.9	37.9
37.5°	1070.2	652.8	73.9	57.3	48.0	41.6	37.9	36.7	36.3	35.5	35.1
40°	1134.0	633.8	67.4	53.3	43.6	37.9	34.7	33.9	33.5	32.7	32.7
42.5°	1203.8	609.2	63.8	48.8	40.0	34.3	31.9	30.7	30.3	29.5	29.5
45°	1284.9	585.8	61.4	44.4	36.7	31.5	29.1	27.9	27.5	26.6	26.6
47.5°	1395.6	572.4	57.3	40.4	33.1	28.7	26.2	25.4	24.6	23.8	23.8
50°	1547.7	556.7	52.1	36.3	30.3	25.8	24.2	23.0	22.6	21.8	21.8
52.5°	1672.9	523.2	46.8	32.3	27.0	23.8	22.2	21.4	20.6	20.2	20.2
55°	1716.9	484.0	41.6	29.1	24.6	22.2	20.6	19.8	19.4	19.0	19.0
57.5°	1787.1	471.5	36.7	25.8	22.2	20.6	19.0	18.6	18.2	17.8	17.4
60°	1907.0	478.8	32.3	23.0	20.2	18.6	17.4	17.0	16.1	15.3	15.3
62.5°	2023.3	469.9	27.5	20.2	17.4	16.6	15.3	14.5	12.9	11.7	10.9
65°	2051.6	410.6	23.8	17.0	14.5	13.7	12.5	10.9	8.5	6.9	6.9
67.5°	1914.7	312.1	20.6	14.5	12.1	11.3	8.9	7.3	5.2	4.0	4.0
70°	1580.0	197.8	17.0	11.3	10.1	7.7	5.7	5.2	3.6	3.2	2.8
72.5°	1140.0	108.2	14.1	9.3	7.3	4.8	4.0	3.2	2.4	1.6	1.6
75°	577.3	50.9	10.5	7.3	4.8	3.2	2.4	1.6	1.6	1.2	1.2
77.5°	163.5	23.4	6.9	4.8	3.2	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.3	11.7	4.4	3.2	2.4	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.7	6.1	3.2	2.4	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.1	3.2	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.2	2.4	2.0	2.0	1.6	1.2	0.8	0.4	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)