

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: P674532

Luminaire Tested: **CCP-SA-2B-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674532
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

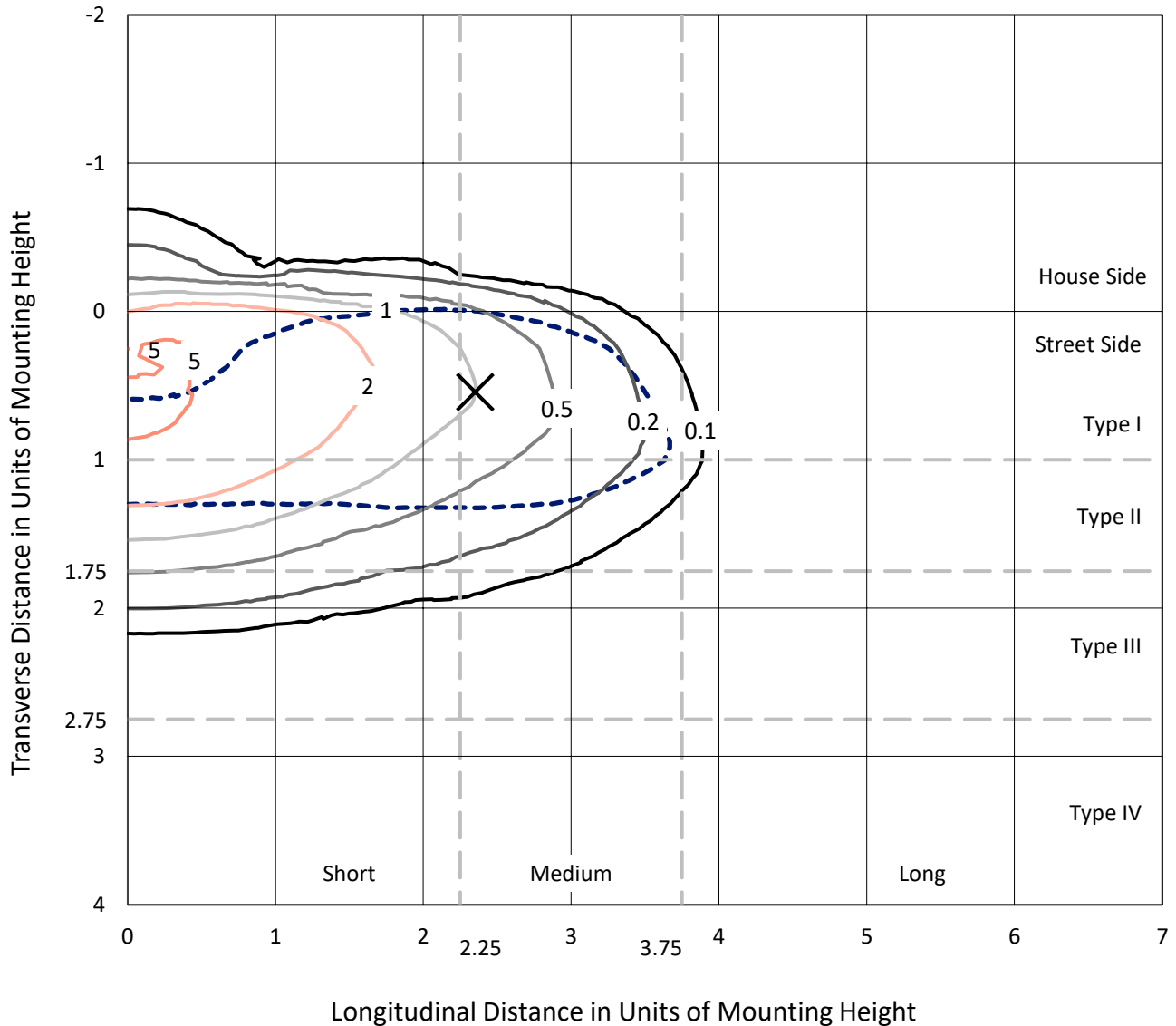
Lumens per Lamp: N/A
Luminaire Lumens: 4676.6 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 46
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

REPORT NUMBER: P674532
 CATALOG NUMBER: CCP-SA-2B-727-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

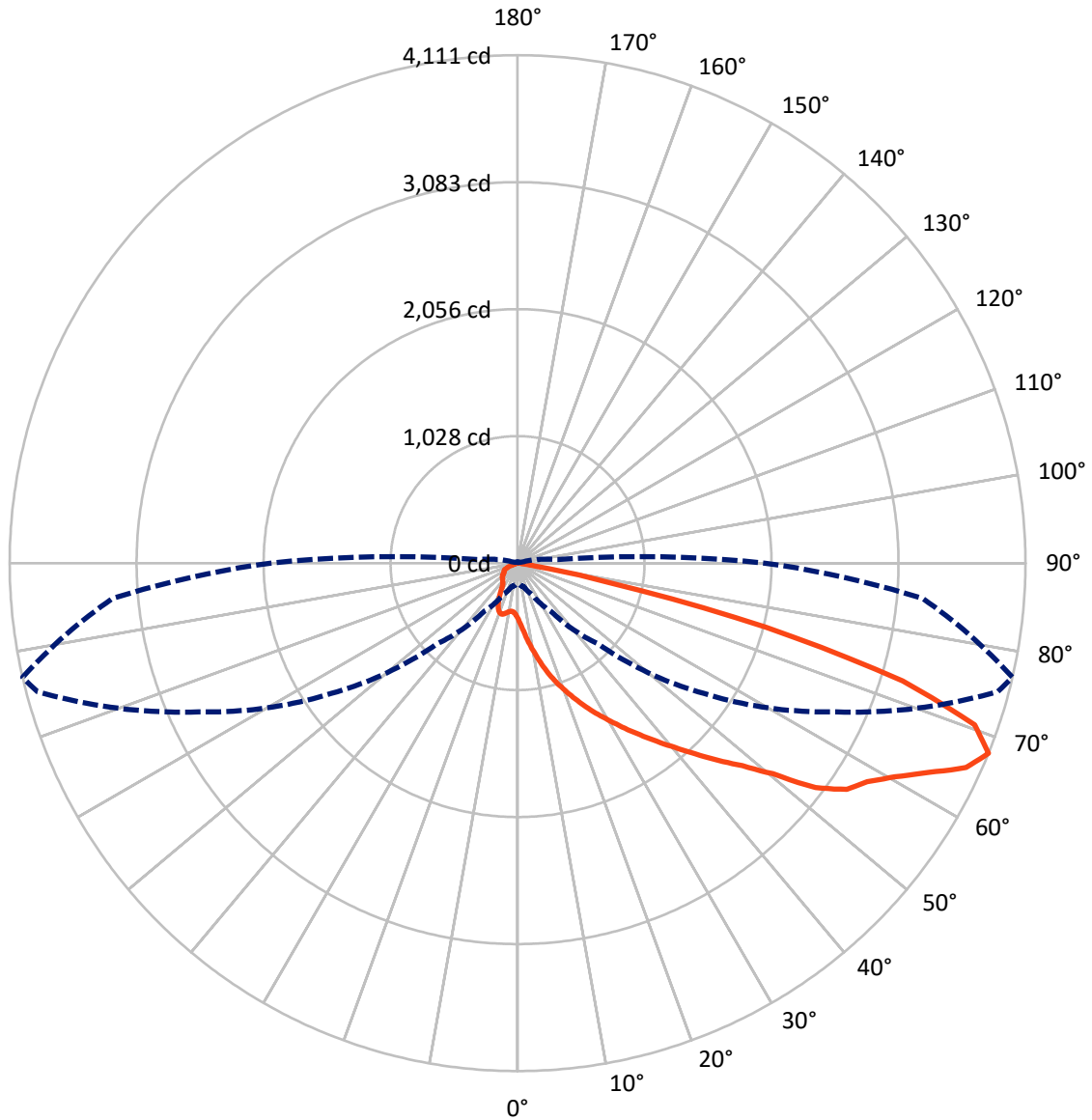
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P674532
CATALOG NUMBER: CCP-SA-2B-727-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674532

CATALOG NUMBER: CCP-SA-2B-727-U-T2R-HSS

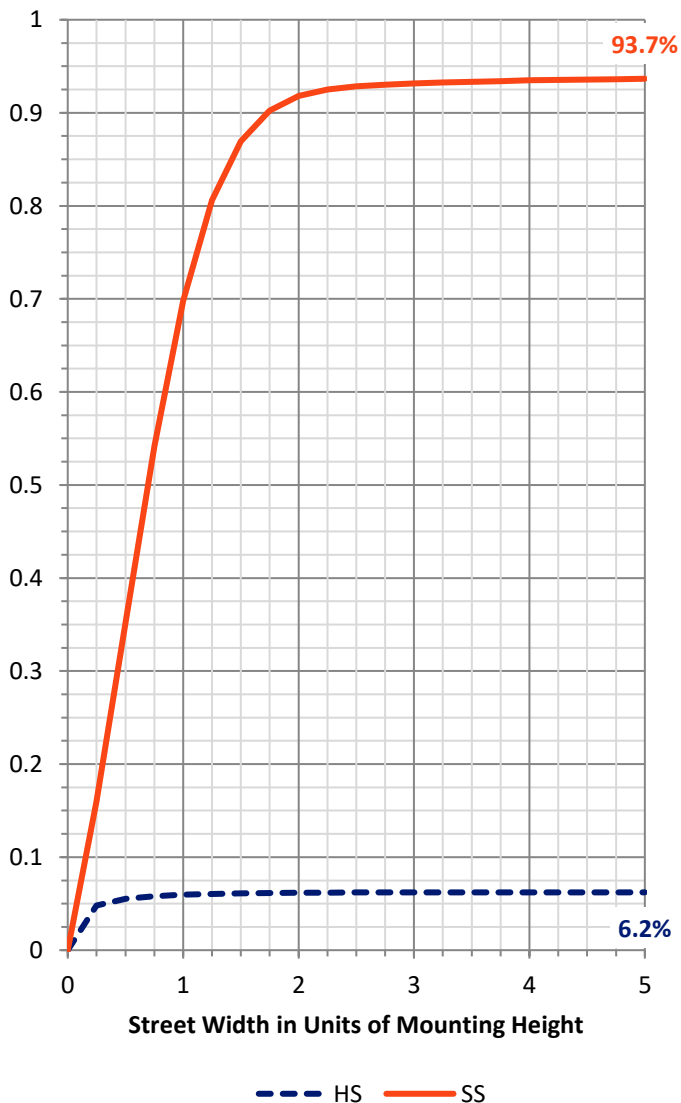
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.2	0.0	292.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4384.3	0.0	4384.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	4676.6	0.0	4676.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.1
10°-20°	194.7	4.2
20°-30°	380.3	8.1
30°-40°	664.9	14.2
40°-50°	969.8	20.7
50°-60°	1134.0	24.2
60°-70°	919.2	19.7
70°-80°	345.3	7.4
80°-90°	15.7	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°	4676.6	100.0
0°-180°	4676.6	100.0

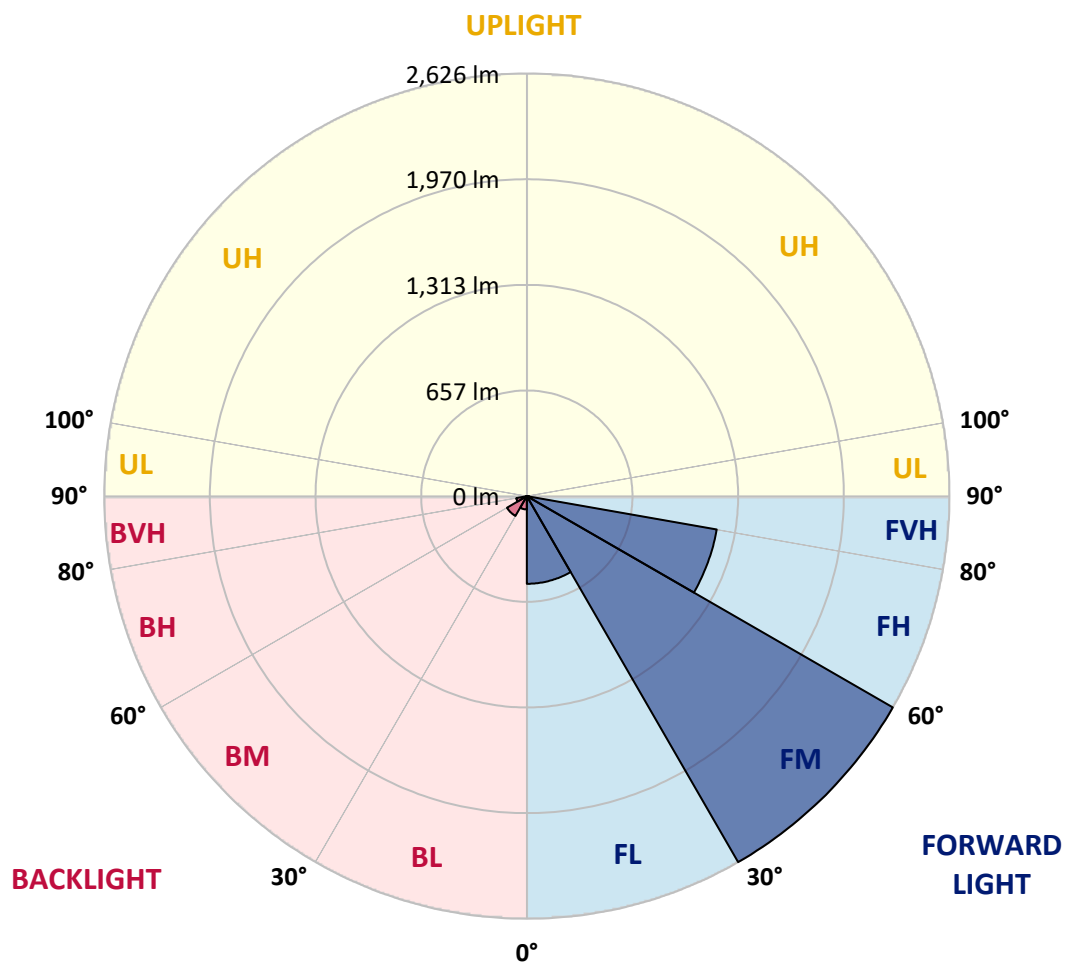


REPORT NUMBER: P674532
 CATALOG NUMBER: CCP-SA-2B-727-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.8	11.6			
FM (30°-60°)	2626.5	56.2			
FH (60°-80°)	1198.3	25.6			G1/1800
FVH (80°-90°)	14.8	0.3			G1/100
BL (0°-30°)	82.9	1.8	B0/110		
BM (30°-60°)	142.2	3.0	B0/220		
BH (60°-80°)	66.3	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°	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
2.5°	672.5	648.0	652.7	642.5	629.5	599.1	567.0	534.9	506.2	499.9	471.1
5°	861.2	853.6	845.6	838.9	811.4	773.4	715.6	642.1	575.8	564.4	504.9
7.5°	1007.7	996.3	1003.5	982.8	954.1	917.4	843.9	765.4	663.2	646.3	553.9
10°	1115.8	1109.5	1112.9	1103.1	1089.2	1052.5	979.9	881.5	763.3	731.2	608.8
12.5°	1196.9	1198.1	1212.9	1213.8	1202.4	1172.4	1095.5	993.0	854.1	825.4	669.6
15°	1256.0	1257.2	1275.4	1294.8	1307.9	1292.3	1222.6	1107.8	960.9	921.6	733.3
17.5°	1265.7	1266.5	1298.6	1337.9	1378.4	1391.9	1338.3	1221.8	1058.4	1013.6	806.4
20°	1272.0	1279.2	1307.9	1353.1	1417.2	1459.0	1429.9	1331.1	1153.0	1101.0	878.1
22.5°	1348.8	1348.8	1365.7	1397.8	1448.9	1514.3	1508.4	1431.6	1245.0	1193.5	949.5
25°	1511.8	1511.8	1495.3	1486.9	1514.3	1565.8	1580.6	1538.8	1350.1	1289.3	1024.6
27.5°	1727.5	1727.5	1701.8	1639.7	1616.1	1637.6	1653.2	1632.1	1447.2	1387.3	1104.0
30°	1951.3	1958.9	1914.1	1835.2	1752.4	1736.0	1720.8	1716.1	1550.6	1483.1	1184.6
32.5°	2175.9	2175.0	2119.3	2020.9	1912.9	1854.6	1805.2	1799.7	1660.4	1594.1	1261.0
35°	2355.3	2355.7	2297.0	2196.2	2071.2	1996.9	1917.5	1891.8	1780.7	1706.9	1352.2
37.5°	2510.7	2501.8	2438.5	2342.6	2226.1	2149.3	2050.5	1983.4	1905.3	1830.1	1443.4
40°	2599.7	2587.9	2526.3	2435.1	2346.9	2288.2	2201.2	2094.0	2042.1	1961.0	1547.3
42.5°	2612.8	2602.7	2561.8	2506.9	2434.7	2383.2	2360.0	2218.9	2185.6	2112.1	1671.4
45°	2576.1	2559.6	2546.1	2517.4	2497.2	2472.3	2503.9	2351.9	2350.2	2277.2	1794.2
47.5°	2484.9	2462.5	2465.9	2497.6	2520.4	2542.8	2641.5	2526.3	2516.2	2447.8	1955.5
50°	2329.1	2318.2	2355.3	2417.8	2508.1	2597.6	2778.8	2704.4	2744.6	2680.4	2178.0
52.5°	2012.5	2026.0	2137.0	2287.3	2443.5	2623.4	2907.5	2970.4	3073.0	3020.2	2401.7
55°	1632.5	1627.5	1775.7	2042.5	2292.0	2606.9	2963.7	3127.0	3288.3	3233.0	2526.3
57.5°	1315.1	1323.9	1424.0	1687.9	2034.9	2479.9	2976.8	3208.9	3374.9	3338.1	2641.5
60°	987.0	995.5	1086.7	1316.3	1692.9	2214.7	2868.7	3237.7	3537.4	3509.5	2825.6
62.5°	628.2	639.2	730.8	954.1	1294.0	1802.7	2625.9	3207.7	3707.1	3730.3	3076.8
65°	309.0	318.7	386.3	557.3	865.0	1348.0	2287.3	3093.3	3923.3	3989.5	3278.2
67.5°	171.0	175.6	198.8	283.7	482.5	924.6	1838.1	2848.8	4022.5	4111.1	3291.7
70°	133.0	134.3	143.1	165.5	235.2	542.5	1307.5	2441.9	3816.9	3924.1	3017.7
72.5°	111.9	113.6	117.8	125.4	146.9	282.4	821.6	1887.1	3211.5	3260.0	2334.6
75°	81.9	84.4	96.3	103.0	116.1	171.4	362.2	1134.0	2122.3	2074.6	1306.2
77.5°	68.8	70.9	73.9	83.6	95.8	116.9	127.1	475.4	863.8	751.0	342.8
80°	46.9	49.4	57.4	62.5	81.1	77.3	52.8	127.5	173.5	141.4	65.9
82.5°	33.4	35.5	39.7	51.1	58.7	41.0	28.7	38.8	41.8	39.7	21.5
85°	10.6	13.5	28.7	42.2	31.7	13.9	18.2	14.8	13.1	12.7	8.4
87.5°	2.1	2.1	14.4	16.9	12.7	7.2	6.3	4.6	5.9	5.9	4.6
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°	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
2.5°	457.6	438.6	411.2	385.4	359.3	340.7	327.6	314.5	309.5	307.3	301.9
5°	477.9	441.6	387.1	343.2	311.1	290.9	278.6	268.1	261.3	259.2	256.3
7.5°	507.0	454.7	376.6	325.9	293.8	271.9	252.0	229.2	211.1	203.9	201.0
10°	538.7	474.5	378.3	322.5	279.9	231.8	187.4	150.7	134.7	128.8	124.5
12.5°	585.1	496.5	385.4	318.7	238.1	165.5	119.9	104.7	100.9	100.1	99.2
15°	631.6	527.3	397.3	293.4	177.7	112.7	99.6	94.1	92.0	89.9	89.9
17.5°	678.4	556.8	401.9	244.0	122.9	97.5	90.8	86.1	82.7	81.1	79.8
20°	731.2	588.1	388.4	183.6	98.4	89.1	81.5	76.0	73.0	71.3	70.1
22.5°	788.2	618.9	358.8	127.9	89.5	80.2	73.0	67.5	64.6	62.9	62.5
25°	841.8	645.5	311.6	96.3	80.6	71.8	65.0	60.4	58.3	56.6	56.1
27.5°	897.1	668.3	249.9	84.9	73.5	65.0	58.3	54.5	52.3	51.1	50.7
30°	951.2	683.9	186.2	77.7	67.1	58.7	52.8	49.8	47.7	46.4	46.0
32.5°	1006.9	692.8	125.8	71.3	60.8	53.2	48.1	45.2	43.9	42.6	42.6
35°	1060.5	691.5	90.8	65.4	55.7	48.1	43.5	41.4	41.0	39.7	39.7
37.5°	1119.2	682.7	77.3	59.9	50.2	43.5	39.7	38.4	38.0	37.2	36.7
40°	1185.9	662.8	70.5	55.7	45.6	39.7	36.3	35.5	35.0	34.2	34.2
42.5°	1258.9	637.1	66.7	51.1	41.8	35.9	33.4	32.1	31.7	30.8	30.8
45°	1343.8	612.6	64.2	46.4	38.4	32.9	30.4	29.1	28.7	27.9	27.9
47.5°	1459.5	598.6	59.9	42.2	34.6	30.0	27.4	26.6	25.8	24.9	24.9
50°	1618.6	582.2	54.5	38.0	31.7	27.0	25.3	24.1	23.6	22.8	22.8
52.5°	1749.5	547.1	49.0	33.8	28.3	24.9	23.2	22.4	21.5	21.1	21.1
55°	1795.5	506.2	43.5	30.4	25.8	23.2	21.5	20.7	20.3	19.8	19.8
57.5°	1869.0	493.1	38.4	27.0	23.2	21.5	19.8	19.4	19.0	18.6	18.2
60°	1994.4	500.7	33.8	24.1	21.1	19.4	18.2	17.7	16.9	16.0	16.0
62.5°	2115.9	491.4	28.7	21.1	18.2	17.3	16.0	15.2	13.5	12.2	11.4
65°	2145.5	429.4	24.9	17.7	15.2	14.4	13.1	11.4	8.9	7.2	7.2
67.5°	2002.4	326.3	21.5	15.2	12.7	11.8	9.3	7.6	5.5	4.2	4.2
70°	1652.4	206.9	17.7	11.8	10.6	8.0	5.9	5.5	3.8	3.4	3.0
72.5°	1192.2	113.1	14.8	9.7	7.6	5.1	4.2	3.4	2.5	1.7	1.7
75°	603.7	53.2	11.0	7.6	5.1	3.4	2.5	1.7	1.7	1.3	1.3
77.5°	171.0	24.5	7.2	5.1	3.4	2.1	1.7	1.3	1.3	0.8	0.8
80°	33.8	12.2	4.6	3.4	2.5	1.7	1.3	0.8	0.8	0.4	0.4
82.5°	12.2	6.3	3.4	2.5	2.1	1.7	0.8	0.4	0.4	0.0	0.0
85°	6.3	3.4	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.0	0.0
87.5°	3.4	2.5	2.1	2.1	1.7	1.3	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)