

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: P674384

Luminaire Tested: **CCP-SA-1D-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674384
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

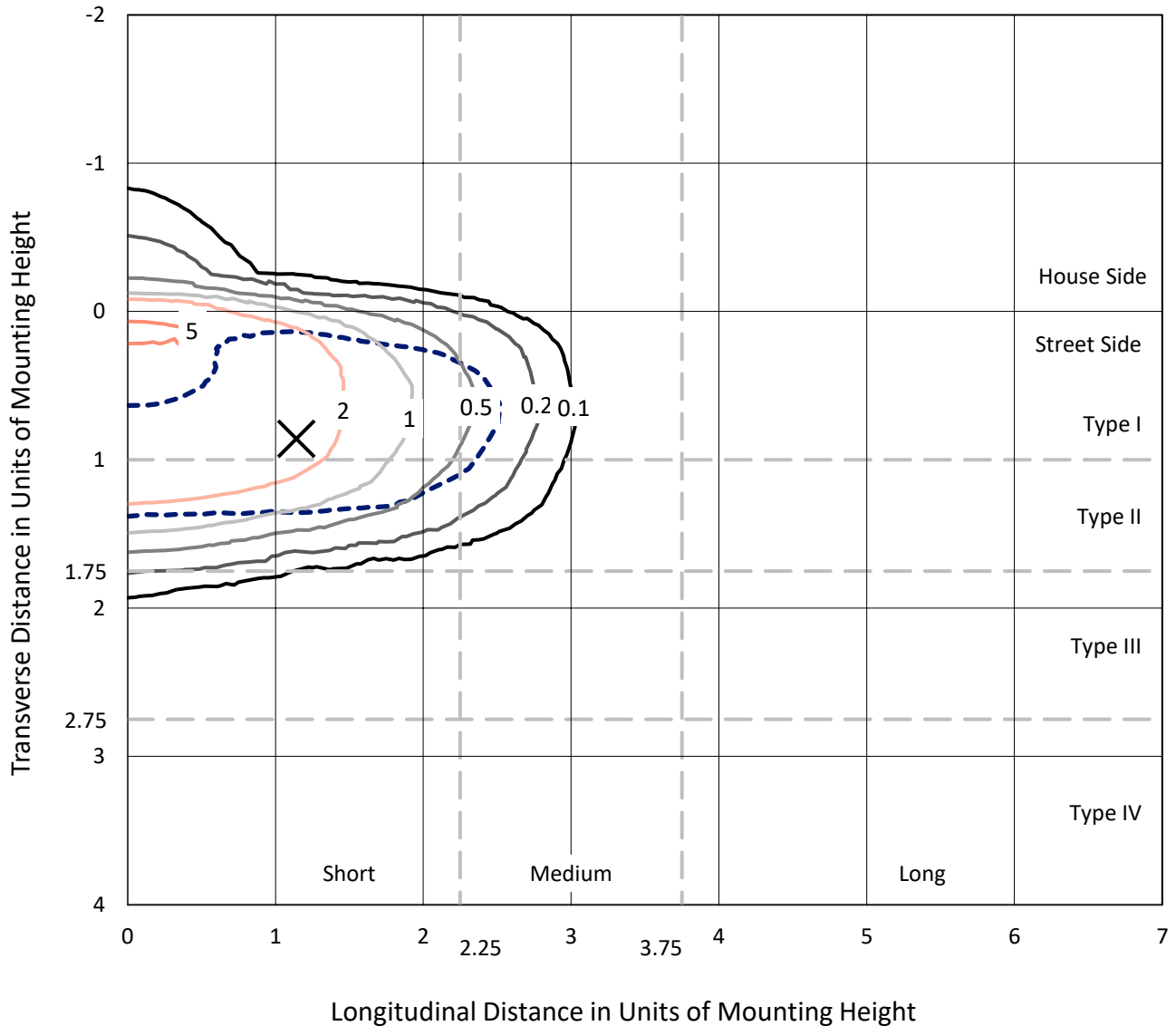
Lumens per Lamp: N/A
Luminaire Lumens: 3867.6 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

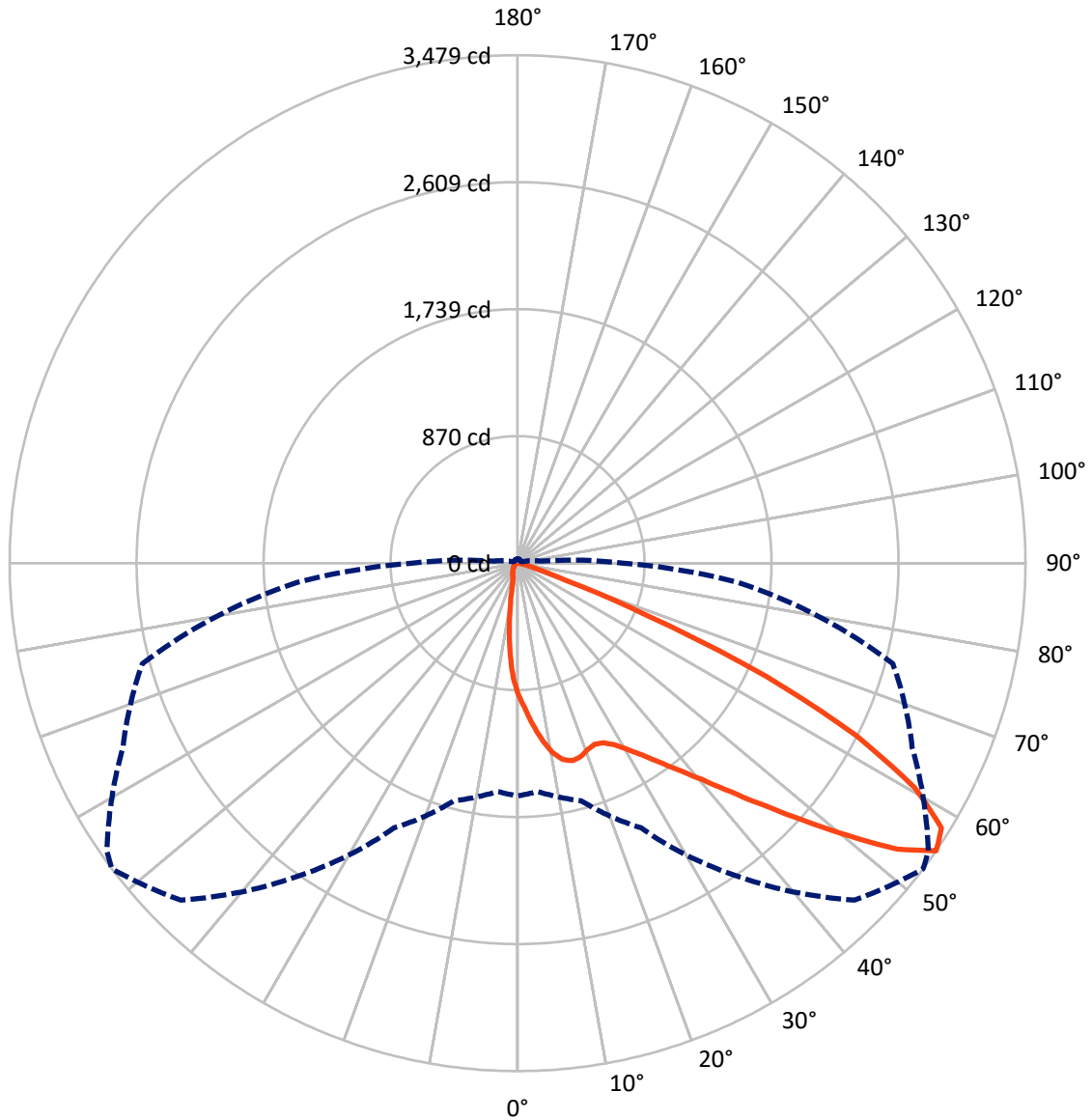
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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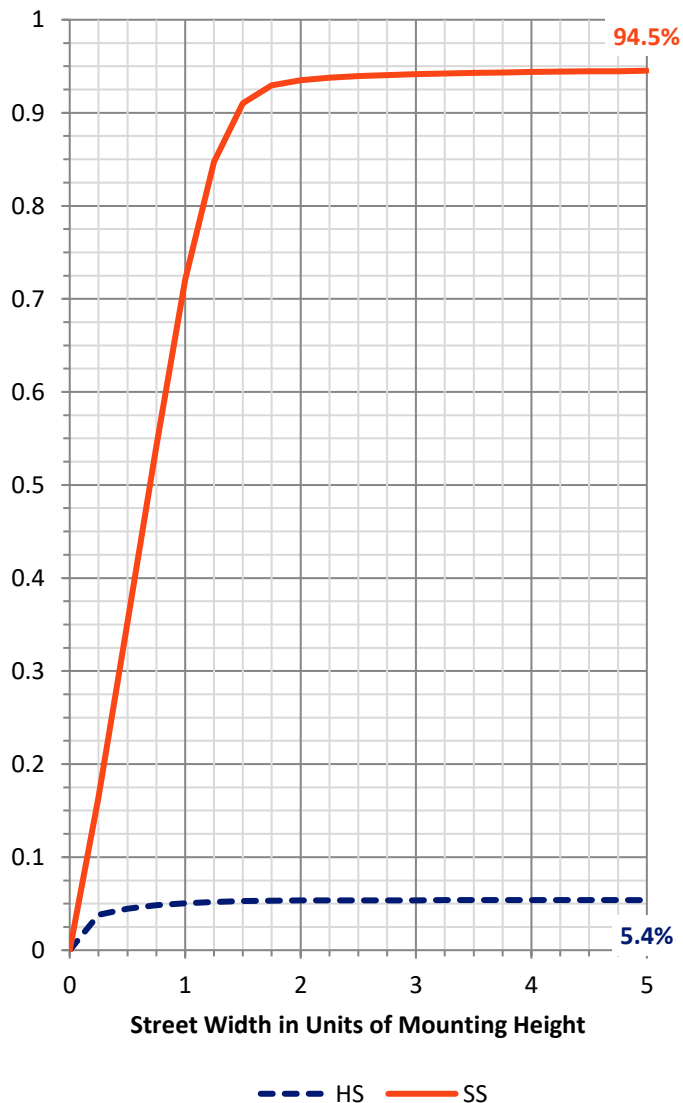
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	209.1	0.0	209.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3658.6	0.0	3658.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	3867.6	0.0	3867.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	2.1
10°-20°	211.5	5.5
20°-30°	353.9	9.2
30°-40°	579.0	15.0
40°-50°	930.7	24.1
50°-60°	1050.8	27.2
60°-70°	560.5	14.5
70°-80°	92.1	2.4
80°-90°	8.2	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°	3867.6	100.0
0°-180°	3867.6	100.0



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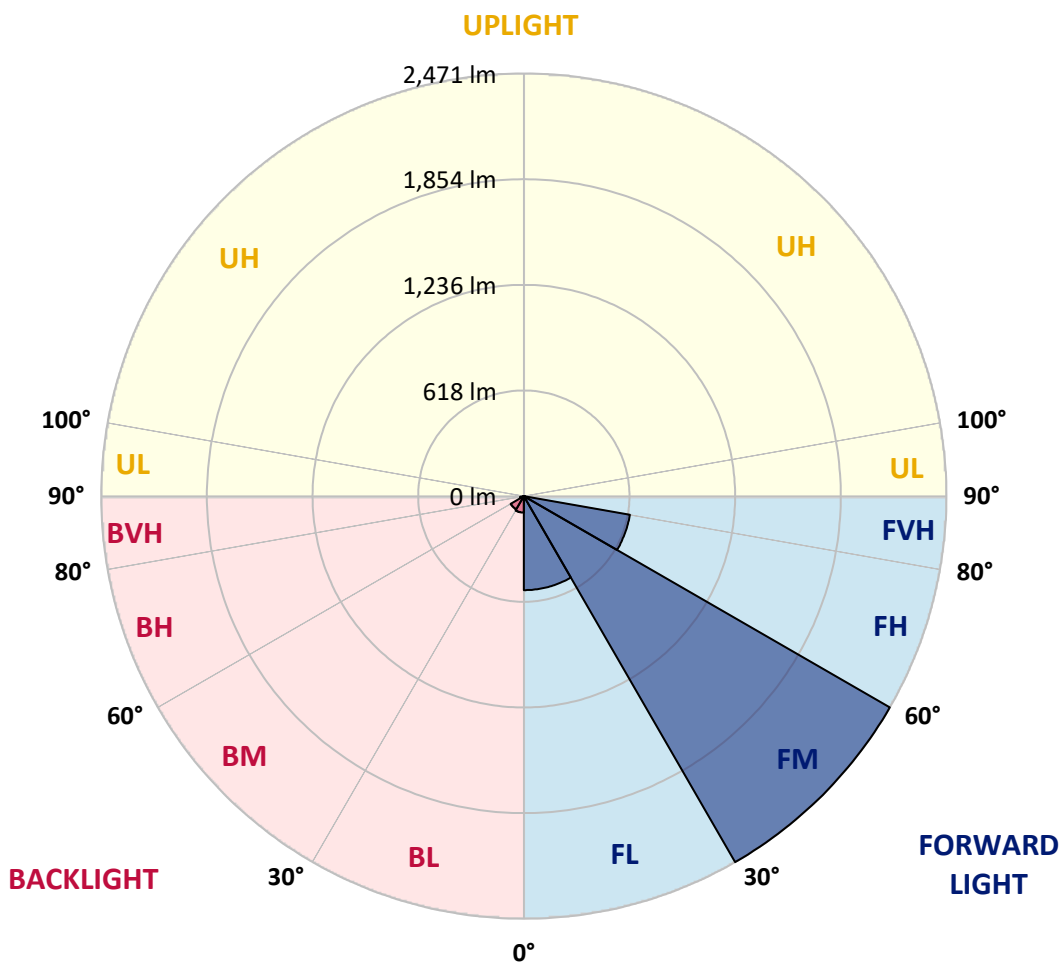
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.8	14.2			
FM (30°-60°)	2471.4	63.9			
FH (60°-80°)	629.7	16.3			G0/660
FVH (80°-90°)	7.6	0.2			G0/10
BL (0°-30°)	96.5	2.5	B0/110		
BM (30°-60°)	89.1	2.3	B0/220		
BH (60°-80°)	22.9	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1
2.5°	1085.4	1079.0	1082.7	1072.9	1054.9	1032.5	999.0	1000.7	974.2	951.2	919.3
5°	1264.7	1257.9	1255.8	1230.8	1205.7	1165.4	1115.5	1107.4	1059.0	1000.3	933.6
7.5°	1359.2	1353.4	1357.8	1348.7	1324.0	1287.4	1224.3	1218.2	1143.3	1054.6	956.3
10°	1315.8	1313.8	1332.4	1354.1	1374.1	1369.7	1319.2	1309.7	1225.7	1114.2	979.7
12.5°	1199.2	1205.7	1229.4	1269.4	1331.1	1389.0	1380.9	1382.6	1309.7	1178.9	1005.4
15°	1130.8	1138.6	1152.1	1172.8	1248.7	1351.7	1404.3	1421.2	1390.4	1251.1	1035.9
17.5°	1125.0	1131.5	1133.5	1141.3	1185.7	1291.8	1394.8	1427.0	1462.2	1319.2	1070.1
20°	1169.4	1172.1	1170.4	1164.7	1180.6	1259.2	1365.0	1411.0	1521.5	1391.7	1100.3
22.5°	1253.1	1249.1	1244.0	1222.6	1221.6	1268.4	1348.7	1396.8	1556.8	1451.7	1120.3
25°	1356.8	1348.4	1341.2	1311.1	1296.8	1316.2	1363.3	1401.9	1588.6	1510.0	1134.5
27.5°	1470.0	1472.7	1455.1	1414.4	1392.1	1388.0	1408.3	1437.1	1619.4	1562.2	1142.3
30°	1591.0	1592.3	1569.3	1527.3	1506.9	1480.8	1479.5	1496.8	1652.7	1622.2	1149.8
32.5°	1728.9	1732.6	1695.0	1651.3	1615.7	1581.8	1565.2	1579.8	1712.3	1700.4	1165.0
35°	1928.2	1911.9	1861.1	1795.0	1744.5	1700.1	1674.7	1684.2	1791.6	1794.3	1195.5
37.5°	2133.5	2131.8	2075.6	1980.3	1897.7	1842.4	1799.0	1814.6	1903.1	1920.0	1244.3
40°	2325.0	2329.4	2280.6	2197.6	2091.1	1996.3	1949.8	1960.3	2051.2	2072.5	1303.6
42.5°	2450.0	2447.6	2451.4	2427.6	2320.9	2209.1	2139.3	2145.0	2223.3	2234.5	1377.8
45°	2507.6	2498.5	2530.3	2605.5	2563.2	2445.6	2366.0	2358.9	2401.9	2398.8	1445.3
47.5°	2457.8	2440.9	2514.1	2695.3	2777.4	2741.8	2627.9	2615.0	2578.4	2554.0	1515.4
50°	2210.1	2202.6	2359.2	2652.6	2911.9	3015.6	2931.9	2884.1	2736.0	2668.6	1552.3
52.5°	1974.6	1953.9	2059.6	2434.8	2851.9	3235.8	3253.1	3168.1	2866.8	2701.4	1539.8
55°	1595.0	1569.6	1684.8	2000.3	2614.4	3264.0	3478.8	3434.4	2981.4	2660.8	1514.4
57.5°	968.8	943.7	1113.2	1432.7	2090.8	3030.1	3423.2	3468.3	3069.5	2616.1	1497.8
60°	407.3	391.4	457.8	683.8	1335.1	2490.3	3128.4	3240.9	3086.1	2554.7	1504.6
62.5°	211.8	204.7	208.4	273.8	539.8	1639.8	2603.9	2799.7	2918.7	2527.6	1511.3
65°	158.9	153.5	141.6	150.5	209.8	708.9	1871.2	2133.5	2555.7	2458.8	1465.6
67.5°	130.5	125.4	116.9	114.2	123.7	246.0	955.3	1296.2	2002.7	2165.7	1301.6
70°	104.0	102.3	99.6	94.5	92.8	119.3	342.6	528.3	1324.3	1527.3	943.4
72.5°	86.7	87.1	84.0	79.6	73.5	76.9	136.6	180.6	640.8	732.3	395.1
75°	72.5	72.5	73.5	67.4	61.3	52.9	75.9	88.1	205.7	169.1	84.4
77.5°	56.9	57.6	62.0	56.9	49.1	33.2	41.3	47.1	61.0	48.8	30.8
80°	45.4	44.7	43.0	51.2	44.1	23.4	19.7	21.7	28.5	23.4	15.2
82.5°	31.9	31.5	30.2	34.6	34.2	17.3	12.9	13.2	17.3	14.9	9.5
85°	7.8	9.1	19.3	16.3	14.2	10.2	7.8	8.5	11.2	9.8	5.1
87.5°	3.4	3.4	8.8	10.5	6.8	4.4	3.4	3.7	5.8	5.8	3.0
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°	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1
2.5°	908.2	886.1	858.3	828.9	798.7	762.5	739.4	720.4	705.5	694.0	689.9
5°	911.6	869.2	806.2	727.9	648.3	573.7	516.1	473.4	438.2	418.8	410.4
7.5°	911.2	855.0	741.1	610.0	480.5	373.1	296.8	249.7	218.2	205.4	197.6
10°	910.9	836.3	666.9	479.2	321.2	216.2	159.3	132.8	121.3	116.9	116.2
12.5°	920.7	815.0	583.9	352.8	201.6	134.5	110.8	104.7	102.0	100.6	100.3
15°	926.1	795.3	496.4	249.1	135.9	106.4	98.9	96.2	95.2	94.5	94.2
17.5°	931.9	764.8	413.4	180.3	108.8	96.6	92.2	90.5	89.8	89.8	89.8
20°	932.9	732.0	331.1	132.8	96.6	90.1	85.7	84.0	83.0	82.3	82.3
22.5°	925.4	693.0	260.2	107.8	89.5	84.0	79.3	76.6	74.9	74.6	74.6
25°	906.8	637.7	199.6	94.5	83.7	77.9	72.2	69.1	67.8	67.8	67.8
27.5°	880.0	572.7	154.2	84.0	76.2	70.5	65.4	62.7	62.4	62.0	62.4
30°	849.5	510.0	117.9	74.6	67.4	62.7	58.6	57.3	57.9	57.9	58.3
32.5°	819.0	447.3	92.2	67.1	59.6	55.6	53.5	53.5	54.6	54.6	54.6
35°	792.9	386.0	77.3	61.0	54.2	50.8	49.8	50.8	51.5	51.8	51.8
37.5°	778.4	333.1	68.1	55.6	49.8	47.1	46.8	47.8	49.1	50.2	50.5
40°	773.0	292.4	62.7	51.5	45.7	44.1	43.7	45.1	47.4	49.1	49.5
42.5°	773.3	256.5	57.9	47.4	43.0	40.7	40.7	42.7	45.1	46.8	46.8
45°	775.7	225.7	53.2	43.4	40.7	36.6	36.9	39.6	41.3	43.0	43.0
47.5°	777.7	200.9	48.1	39.0	35.2	33.2	33.9	35.9	38.3	41.0	41.0
50°	765.8	183.3	43.0	34.2	30.8	30.2	31.5	33.2	36.6	39.3	39.6
52.5°	737.4	167.4	38.6	30.5	27.8	28.1	29.8	30.8	33.5	33.9	34.2
55°	724.8	159.3	35.2	27.8	25.4	26.4	27.4	27.8	27.1	25.4	25.4
57.5°	722.1	153.8	31.9	25.1	23.4	24.7	24.4	22.4	20.3	18.3	18.0
60°	724.8	146.4	29.1	21.7	21.3	21.7	20.7	16.9	14.2	12.9	12.2
62.5°	709.2	135.5	26.8	18.6	18.6	18.3	15.6	11.5	9.1	8.1	7.8
65°	657.7	114.2	24.4	15.6	15.2	14.6	10.5	7.8	6.1	5.1	4.7
67.5°	556.4	88.4	22.0	12.9	12.2	10.2	6.8	5.1	3.4	3.0	2.7
70°	379.5	54.9	18.6	10.2	9.1	6.4	4.1	3.0	2.0	1.7	1.4
72.5°	137.6	31.9	15.6	7.8	6.1	4.1	2.4	1.4	1.0	1.0	0.7
75°	32.5	22.4	11.9	5.8	4.1	2.4	1.4	1.0	0.7	0.7	0.3
77.5°	14.9	17.3	7.8	3.4	2.7	1.7	1.0	0.7	0.3	0.3	0.0
80°	8.5	12.2	3.7	2.4	2.0	1.4	0.7	0.3	0.3	0.0	0.0
82.5°	4.4	6.8	2.7	2.0	1.7	1.0	0.7	0.0	0.0	0.0	0.0
85°	3.0	3.4	2.0	1.7	1.4	1.0	0.7	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	2.0	1.7	1.4	1.0	0.3	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)