

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: P674453

Luminaire Tested: **CCP-SA-2A-827-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674453
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-827-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

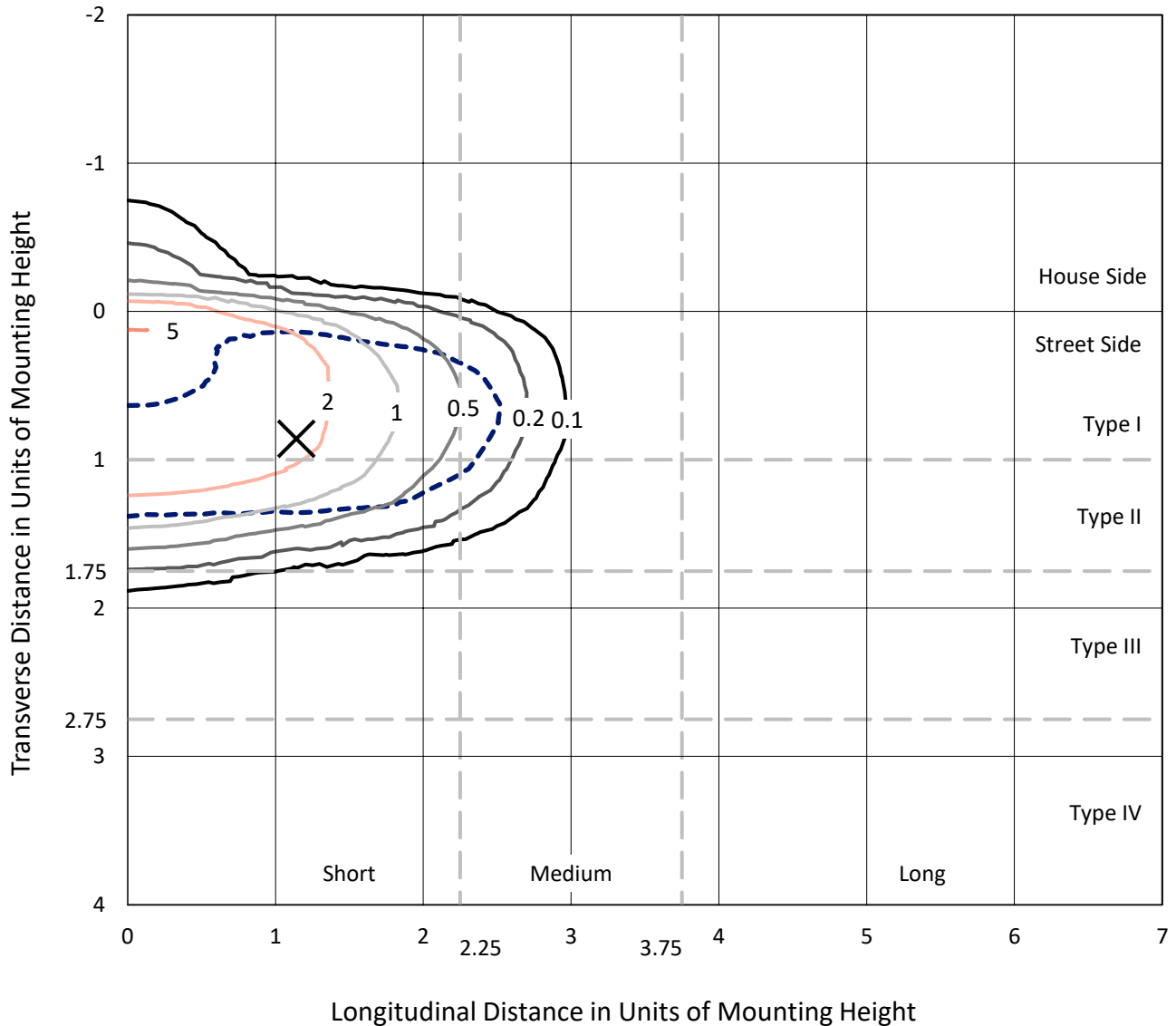
Lumens per Lamp: N/A
Luminaire Lumens: 3335.5 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 36.2
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: P674453
 CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

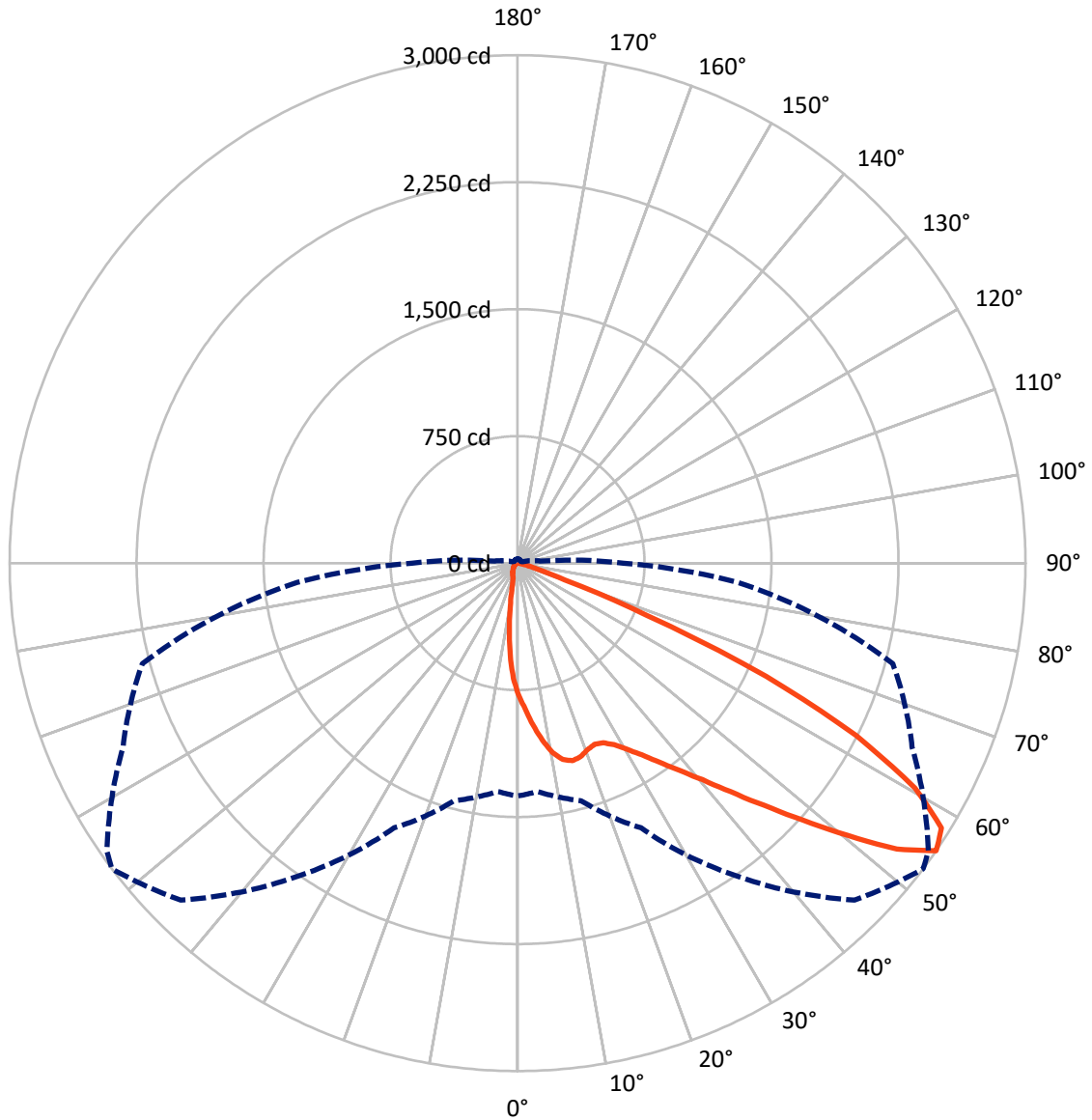
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P674453
CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674453
 CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

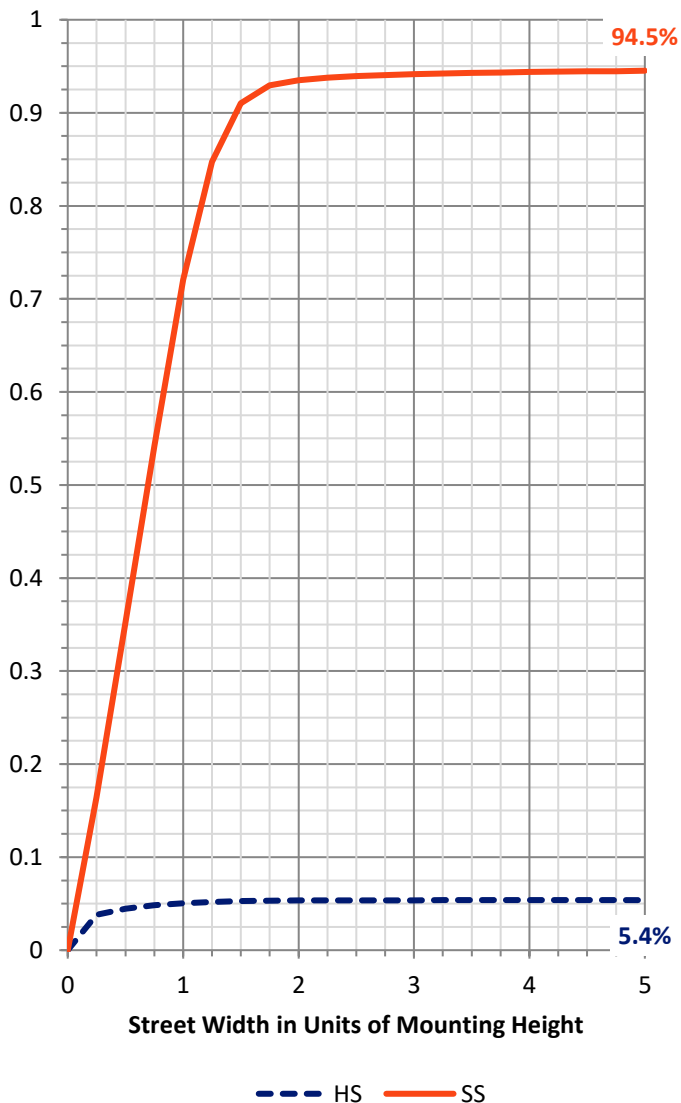
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	180.3	0.0	180.3
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3155.1	0.0	3155.1
	% Fixture	94.6	0.0	94.6
Total	Lumens	3335.5	0.0	3335.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	2.1
10°-20°	182.4	5.5
20°-30°	305.2	9.2
30°-40°	499.3	15.0
40°-50°	802.6	24.1
50°-60°	906.2	27.2
60°-70°	483.4	14.5
70°-80°	79.4	2.4
80°-90°	7.1	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°	3335.5	100.0
0°-180°	3335.5	100.0



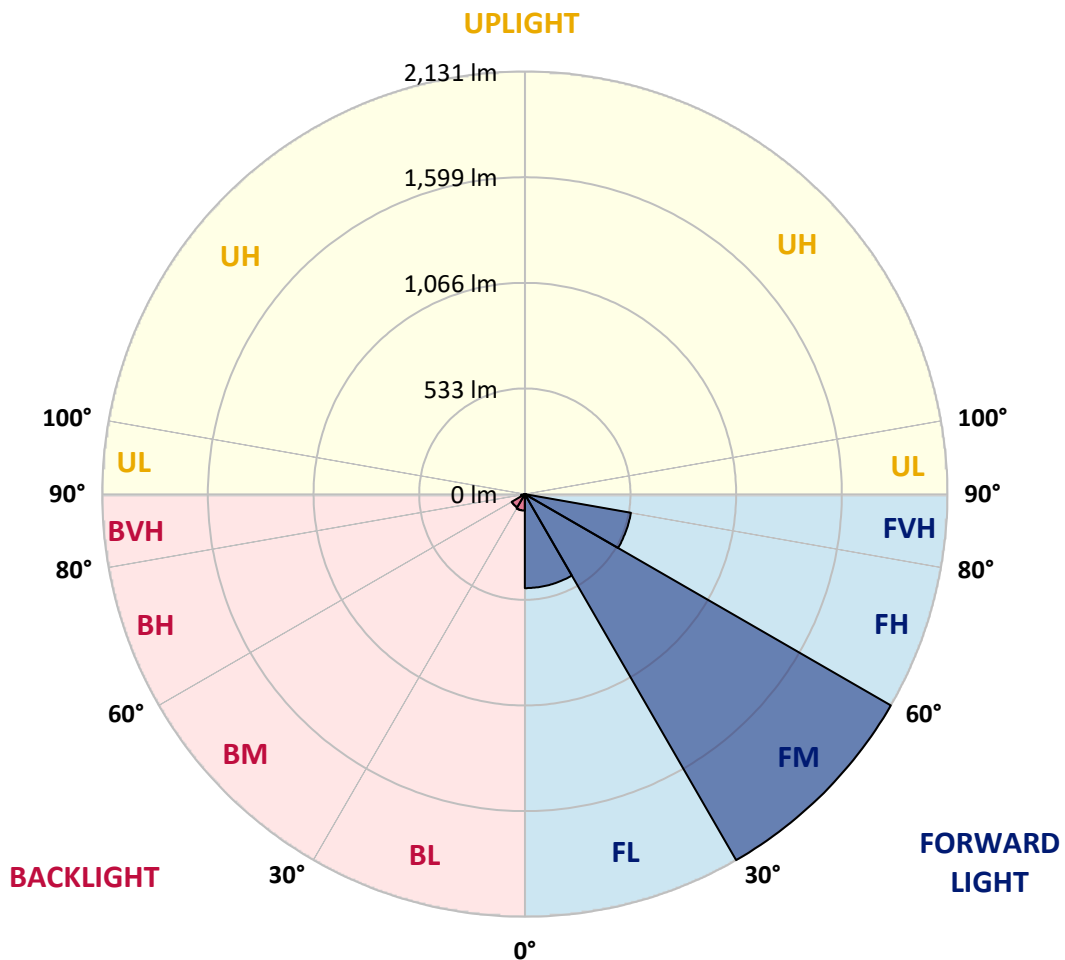
REPORT NUMBER: P674453
 CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.2	14.2			
FM (30°-60°)	2131.4	63.9			
FH (60°-80°)	543.1	16.3			G0/660
FVH (80°-90°)	6.5	0.2			G0/10
BL (0°-30°)	83.2	2.5	B0/110		
BM (30°-60°)	76.8	2.3	B0/220		
BH (60°-80°)	19.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	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





REPORT NUMBER: P674453
 CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	936.0	930.5	933.7	925.2	909.7	890.5	861.5	863.0	840.2	820.3	792.8
5°	1090.6	1084.8	1083.0	1061.4	1039.8	1005.0	962.1	955.0	913.2	862.7	805.1
7.5°	1172.2	1167.2	1171.0	1163.1	1141.8	1110.2	1055.9	1050.6	986.0	909.4	824.7
10°	1134.8	1133.0	1149.1	1167.8	1185.0	1181.2	1137.7	1129.5	1057.0	960.9	844.9
12.5°	1034.2	1039.8	1060.2	1094.7	1147.9	1197.9	1190.9	1192.3	1129.5	1016.7	867.1
15°	975.2	981.9	993.6	1011.4	1076.9	1165.7	1211.0	1225.6	1199.1	1078.9	893.4
17.5°	970.2	975.8	977.5	984.3	1022.5	1114.0	1202.9	1230.6	1261.0	1137.7	922.9
20°	1008.5	1010.9	1009.4	1004.4	1018.2	1086.0	1177.1	1216.9	1312.2	1200.2	948.9
22.5°	1080.7	1077.2	1072.8	1054.4	1053.5	1093.8	1163.1	1204.6	1342.5	1252.0	966.1
25°	1170.1	1162.8	1156.7	1130.7	1118.4	1135.1	1175.7	1209.0	1370.0	1302.2	978.4
27.5°	1267.7	1270.1	1254.9	1219.8	1200.5	1197.0	1214.5	1239.4	1396.6	1347.2	985.1
30°	1372.1	1373.2	1353.4	1317.1	1299.6	1277.1	1275.9	1290.8	1425.2	1398.9	991.6
32.5°	1491.0	1494.2	1461.8	1424.1	1393.4	1364.2	1349.9	1362.4	1476.7	1466.5	1004.7
35°	1662.8	1648.8	1605.0	1548.0	1504.4	1466.2	1444.2	1452.4	1545.1	1547.4	1031.0
37.5°	1839.9	1838.5	1790.0	1707.8	1636.5	1588.9	1551.5	1564.9	1641.2	1655.8	1073.1
40°	2005.1	2008.8	1966.8	1895.2	1803.4	1721.6	1681.5	1690.6	1768.9	1787.3	1124.2
42.5°	2112.9	2110.8	2114.1	2093.6	2001.5	1905.1	1844.9	1849.9	1917.4	1927.0	1188.2
45°	2162.6	2154.7	2182.1	2247.0	2210.5	2109.1	2040.4	2034.3	2071.4	2068.8	1246.4
47.5°	2119.6	2105.0	2168.1	2324.5	2395.2	2364.5	2266.3	2255.2	2223.6	2202.6	1306.9
50°	1906.0	1899.6	2034.6	2287.6	2511.2	2600.6	2528.5	2487.2	2359.5	2301.4	1338.7
52.5°	1702.9	1685.0	1776.2	2099.7	2459.5	2790.6	2805.5	2732.1	2472.3	2329.7	1327.9
55°	1375.6	1353.7	1453.0	1725.1	2254.6	2814.8	3000.1	2961.8	2571.1	2294.7	1306.0
57.5°	835.5	813.9	960.0	1235.6	1803.1	2613.2	2952.2	2991.1	2647.1	2256.1	1291.7
60°	351.3	337.5	394.8	589.7	1151.4	2147.7	2697.9	2795.0	2661.4	2203.2	1297.5
62.5°	182.6	176.5	179.7	236.1	465.5	1414.1	2245.6	2414.5	2517.1	2179.8	1303.4
65°	137.1	132.4	122.2	129.8	180.9	611.4	1613.7	1839.9	2204.1	2120.5	1263.9
67.5°	112.5	108.1	100.8	98.5	106.7	212.2	823.8	1117.8	1727.1	1867.7	1122.5
70°	89.7	88.3	85.9	81.5	80.1	102.9	295.5	455.6	1142.1	1317.1	813.6
72.5°	74.8	75.1	72.5	68.7	63.4	66.3	117.8	155.8	552.6	631.5	340.8
75°	62.5	62.5	63.4	58.2	52.9	45.6	65.5	76.0	177.4	145.8	72.8
77.5°	49.1	49.7	53.5	49.1	42.4	28.6	35.7	40.6	52.6	42.1	26.6
80°	39.2	38.6	37.1	44.1	38.0	20.2	16.9	18.7	24.5	20.2	13.2
82.5°	27.5	27.2	26.0	29.8	29.5	14.9	11.1	11.4	14.9	12.9	8.2
85°	6.7	7.9	16.7	14.0	12.3	8.8	6.7	7.3	9.6	8.5	4.4
87.5°	2.9	2.9	7.6	9.1	5.8	3.8	2.9	3.2	5.0	5.0	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674453
 CATALOG NUMBER: CCP-SA-2A-827-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	783.2	764.2	740.2	714.8	688.8	657.5	637.7	621.3	608.4	598.5	595.0
5°	786.1	749.6	695.2	627.7	559.1	494.8	445.1	408.3	377.9	361.2	353.9
7.5°	785.8	737.3	639.1	526.0	414.4	321.8	256.0	215.4	188.2	177.1	170.4
10°	785.5	721.2	575.1	413.2	277.0	186.4	137.4	114.6	104.6	100.8	100.2
12.5°	794.0	702.8	503.5	304.2	173.9	116.0	95.6	90.3	88.0	86.8	86.5
15°	798.7	685.9	428.1	214.8	117.2	91.8	85.3	83.0	82.1	81.5	81.2
17.5°	803.7	659.6	356.5	155.5	93.8	83.3	79.5	78.0	77.4	77.4	77.4
20°	804.5	631.2	285.5	114.6	83.3	77.7	73.9	72.5	71.6	71.0	71.0
22.5°	798.1	597.6	224.4	92.9	77.2	72.5	68.4	66.0	64.6	64.3	64.3
25°	782.0	550.0	172.1	81.5	72.2	67.2	62.2	59.6	58.4	58.4	58.4
27.5°	758.9	493.9	133.0	72.5	65.8	60.8	56.4	54.1	53.8	53.5	53.8
30°	732.6	439.8	101.7	64.3	58.2	54.1	50.6	49.4	50.0	50.0	50.3
32.5°	706.3	385.8	79.5	57.9	51.4	47.9	46.2	46.2	47.1	47.1	47.1
35°	683.8	332.9	66.6	52.6	46.8	43.8	43.0	43.8	44.4	44.7	44.7
37.5°	671.3	287.3	58.7	47.9	43.0	40.6	40.3	41.2	42.4	43.3	43.5
40°	666.6	252.2	54.1	44.4	39.5	38.0	37.7	38.9	40.9	42.4	42.7
42.5°	666.9	221.2	50.0	40.9	37.1	35.1	35.1	36.8	38.9	40.3	40.3
45°	668.9	194.6	45.9	37.4	35.1	31.6	31.9	34.2	35.7	37.1	37.1
47.5°	670.7	173.3	41.5	33.6	30.4	28.6	29.2	31.0	33.0	35.4	35.4
50°	660.5	158.1	37.1	29.5	26.6	26.0	27.2	28.6	31.6	33.9	34.2
52.5°	635.9	144.4	33.3	26.3	24.0	24.3	25.7	26.6	28.9	29.2	29.5
55°	625.1	137.4	30.4	24.0	21.9	22.8	23.7	24.0	23.4	21.9	21.9
57.5°	622.8	132.7	27.5	21.6	20.2	21.3	21.0	19.3	17.5	15.8	15.5
60°	625.1	126.2	25.1	18.7	18.4	18.7	17.8	14.6	12.3	11.1	10.5
62.5°	611.7	116.9	23.1	16.1	16.1	15.8	13.4	9.9	7.9	7.0	6.7
65°	567.2	98.5	21.0	13.4	13.2	12.6	9.1	6.7	5.3	4.4	4.1
67.5°	479.9	76.3	19.0	11.1	10.5	8.8	5.8	4.4	2.9	2.6	2.3
70°	327.3	47.3	16.1	8.8	7.9	5.6	3.5	2.6	1.8	1.5	1.2
72.5°	118.6	27.5	13.4	6.7	5.3	3.5	2.0	1.2	0.9	0.9	0.6
75°	28.1	19.3	10.2	5.0	3.5	2.0	1.2	0.9	0.6	0.6	0.3
77.5°	12.9	14.9	6.7	2.9	2.3	1.5	0.9	0.6	0.3	0.3	0.0
80°	7.3	10.5	3.2	2.0	1.8	1.2	0.6	0.3	0.3	0.0	0.0
82.5°	3.8	5.8	2.3	1.8	1.5	0.9	0.6	0.0	0.0	0.0	0.0
85°	2.6	2.9	1.8	1.5	1.2	0.9	0.6	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	1.8	1.5	1.2	0.9	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)