

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: P674383

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674383
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

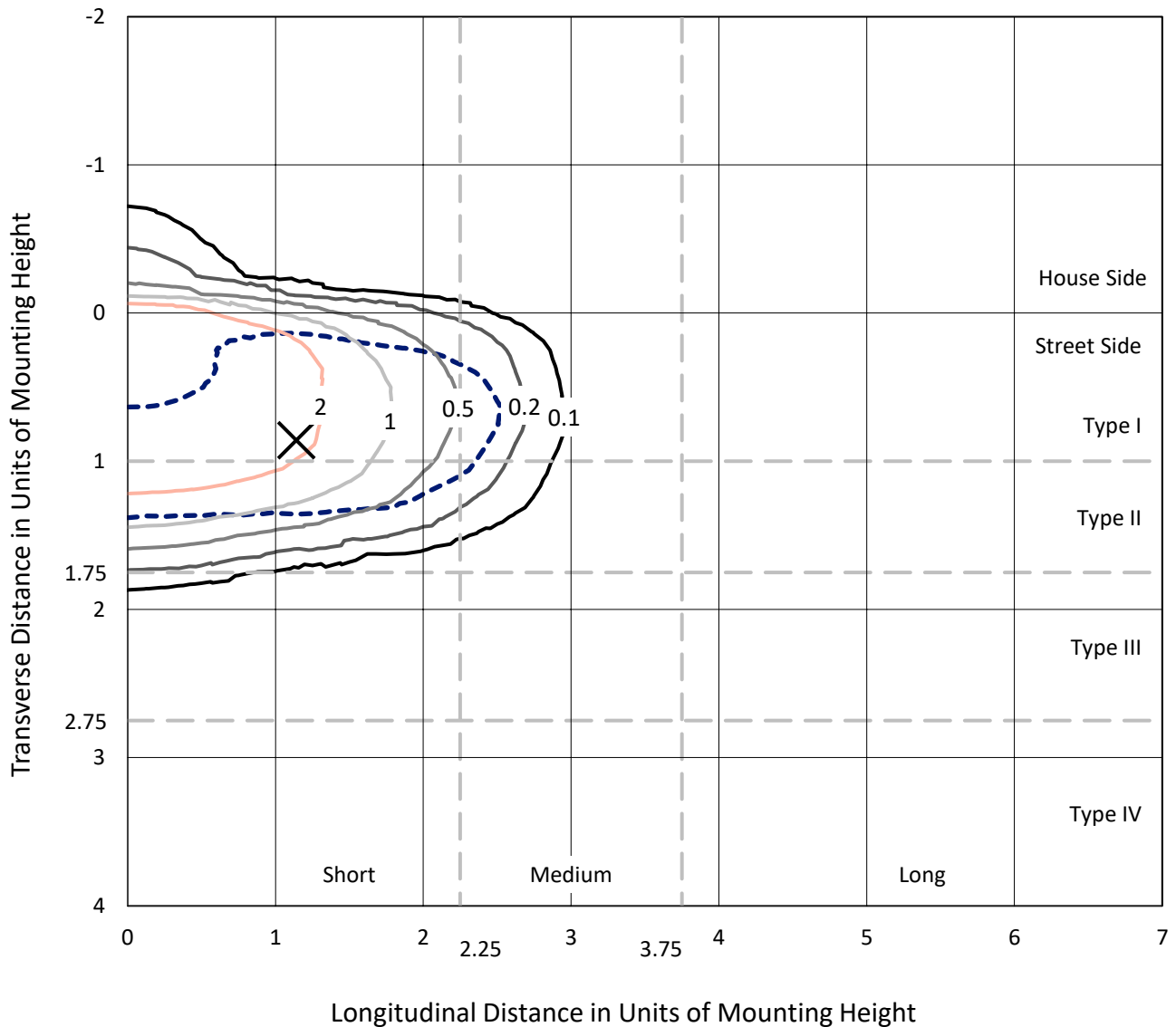
Lumens per Lamp: N/A
Luminaire Lumens: 3135.5 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): 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

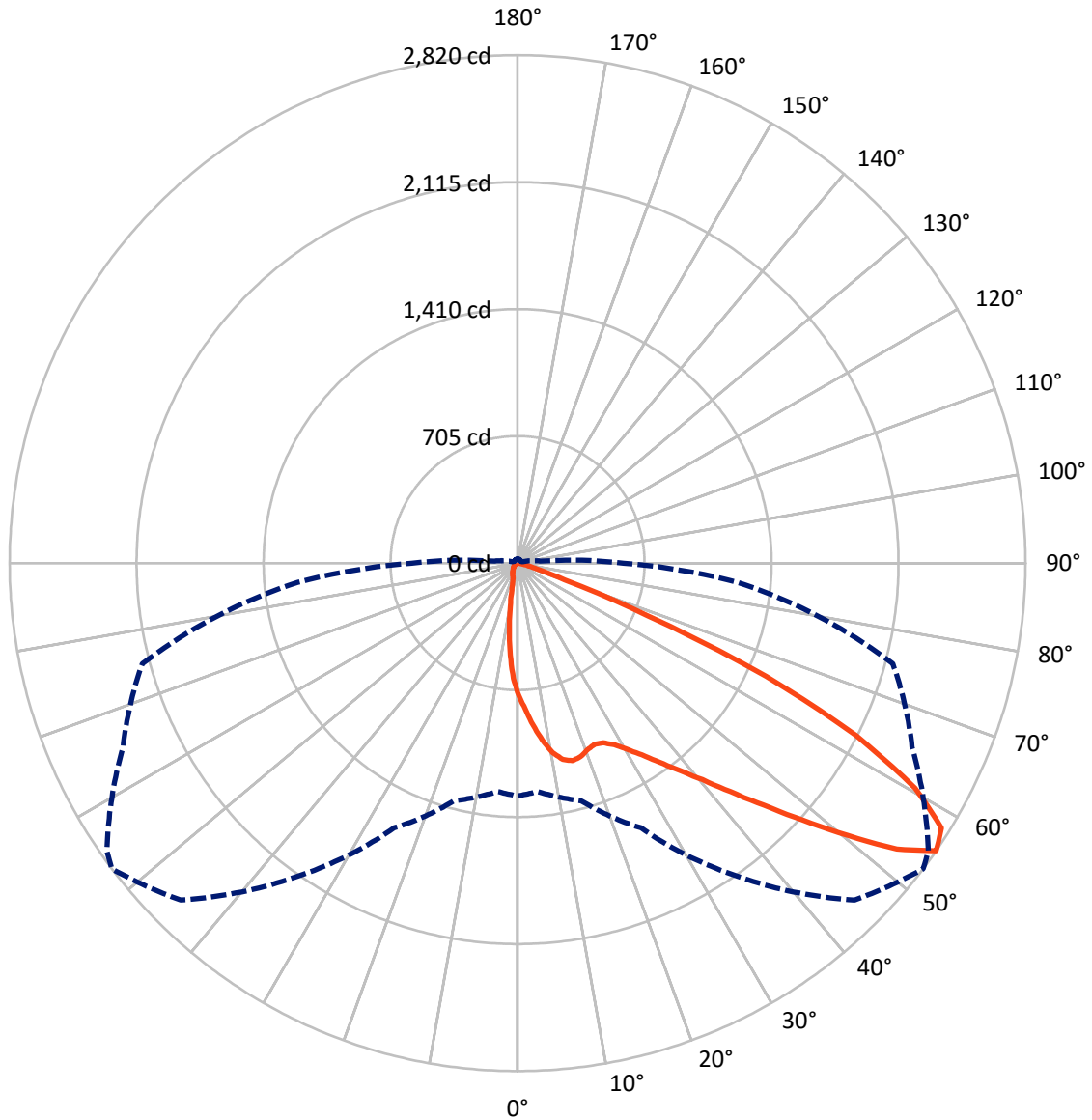
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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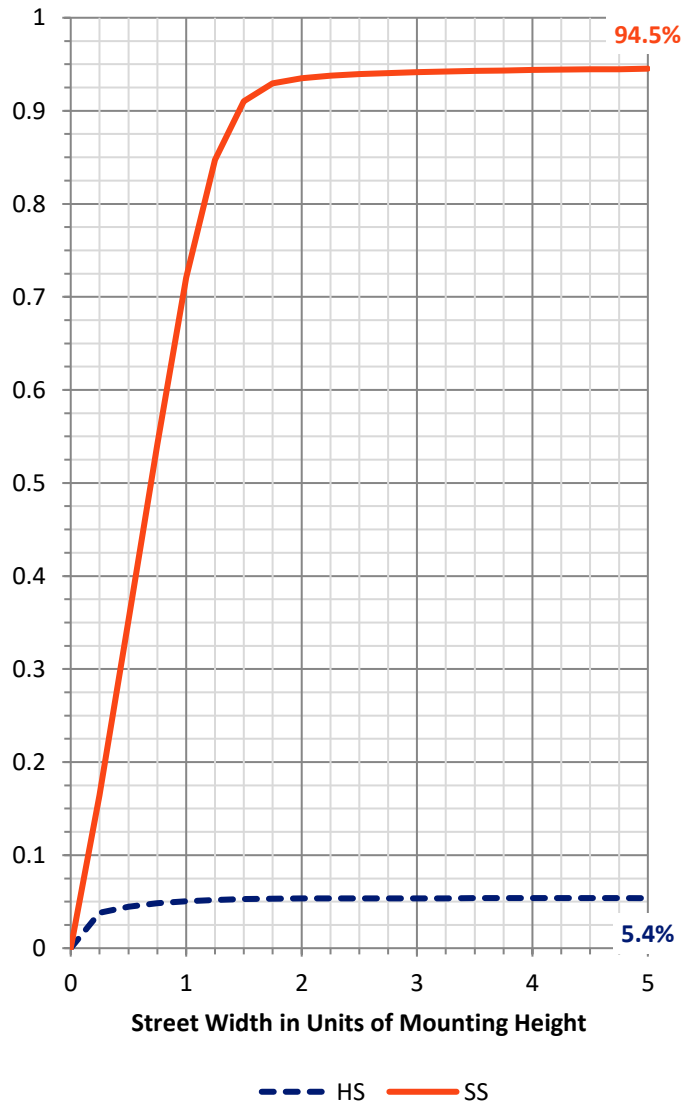
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.5	0.0	169.5
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2966.1	0.0	2966.1
	% Fixture	94.6	0.0	94.6
Total	Lumens	3135.5	0.0	3135.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	2.1
10°-20°	171.4	5.5
20°-30°	286.9	9.2
30°-40°	469.4	15.0
40°-50°	754.5	24.1
50°-60°	851.9	27.2
60°-70°	454.4	14.5
70°-80°	74.7	2.4
80°-90°	6.7	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°	3135.5	100.0
0°-180°	3135.5	100.0

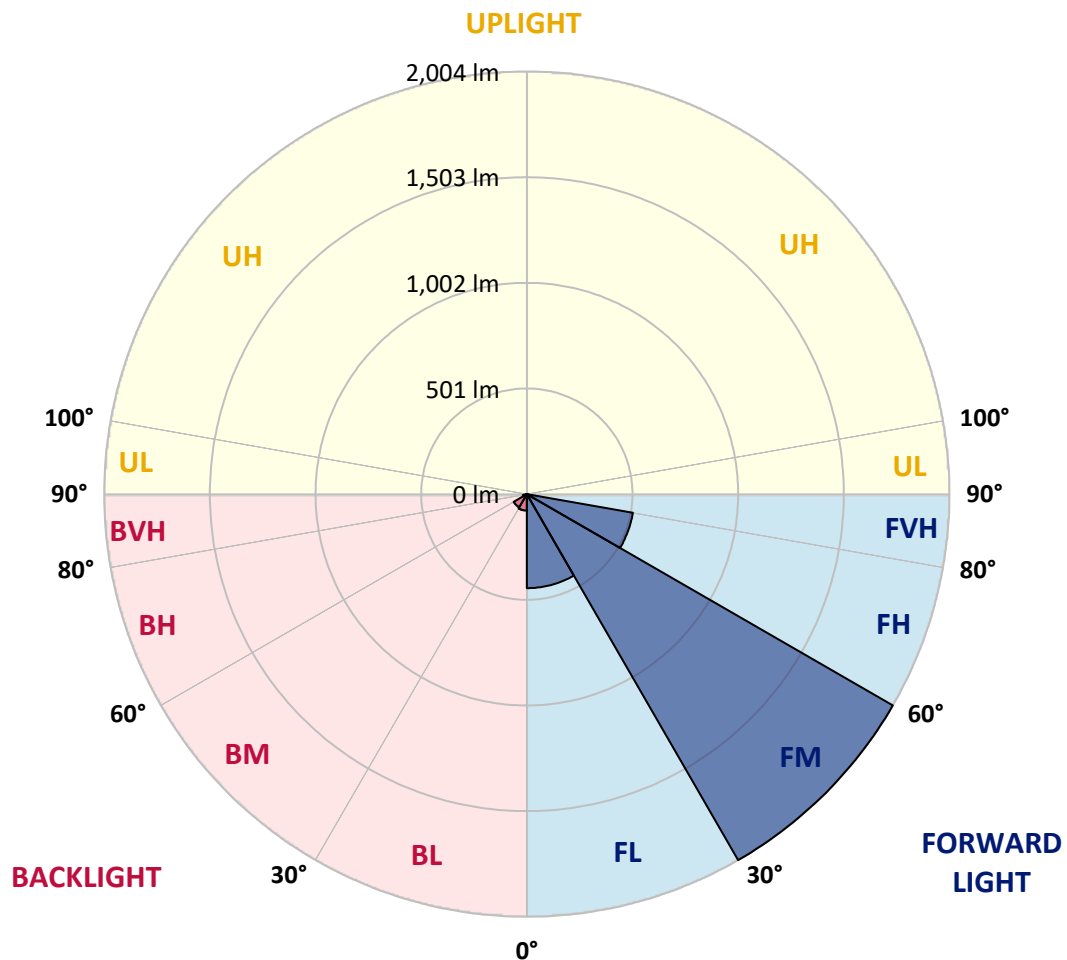


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.7	14.2			
FM (30°-60°)	2003.6	63.9			
FH (60°-80°)	510.5	16.3			G0/660
FVH (80°-90°)	6.1	0.2			G0/10
BL (0°-30°)	78.2	2.5	B0/110		
BM (30°-60°)	72.2	2.3	B0/220		
BH (60°-80°)	18.5	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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°	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8
2.5°	879.9	874.7	877.7	869.8	855.2	837.1	809.9	811.3	789.8	771.2	745.3
5°	1025.3	1019.8	1018.1	997.8	977.5	944.8	904.4	897.8	858.5	811.0	756.9
7.5°	1101.9	1097.2	1100.8	1093.4	1073.3	1043.7	992.6	987.6	926.9	854.9	775.3
10°	1066.8	1065.1	1080.2	1097.8	1114.0	1110.4	1069.5	1061.8	993.7	903.3	794.2
12.5°	972.2	977.5	996.7	1029.1	1079.1	1126.1	1119.5	1120.9	1061.8	955.8	815.1
15°	916.8	923.1	934.1	950.8	1012.4	1095.9	1138.5	1152.2	1127.2	1014.3	839.8
17.5°	912.1	917.3	919.0	925.3	961.3	1047.2	1130.8	1156.9	1185.4	1069.5	867.6
20°	948.1	950.3	948.9	944.2	957.1	1020.9	1106.6	1144.0	1233.5	1128.3	892.0
22.5°	1015.9	1012.6	1008.5	991.2	990.4	1028.3	1093.4	1132.4	1262.1	1176.9	908.2
25°	1100.0	1093.1	1087.4	1062.9	1051.4	1067.0	1105.2	1136.5	1287.9	1224.2	919.8
27.5°	1191.8	1194.0	1179.7	1146.7	1128.6	1125.3	1141.8	1165.1	1312.9	1266.5	926.1
30°	1289.8	1290.9	1272.2	1238.2	1221.7	1200.5	1199.4	1213.5	1339.8	1315.1	932.1
32.5°	1401.6	1404.7	1374.2	1338.7	1309.9	1282.4	1269.0	1280.8	1388.2	1378.6	944.5
35°	1563.2	1550.0	1508.8	1455.2	1414.3	1378.3	1357.7	1365.4	1452.5	1454.7	969.2
37.5°	1729.7	1728.3	1682.7	1605.5	1538.5	1493.7	1458.5	1471.1	1542.8	1556.6	1008.8
40°	1884.9	1888.5	1848.9	1781.6	1695.3	1618.4	1580.8	1589.3	1662.9	1680.2	1056.9
42.5°	1986.3	1984.3	1987.4	1968.1	1881.6	1790.9	1734.3	1739.0	1802.5	1811.5	1117.0
45°	2033.0	2025.5	2051.4	2112.4	2078.0	1982.7	1918.1	1912.4	1947.2	1944.8	1171.7
47.5°	1992.6	1978.8	2038.2	2185.2	2251.6	2222.8	2130.5	2120.0	2090.4	2070.6	1228.6
50°	1791.7	1785.7	1912.6	2150.5	2360.7	2444.8	2376.9	2338.2	2218.1	2163.5	1258.5
52.5°	1600.8	1584.1	1669.8	1973.9	2312.1	2623.3	2637.4	2568.4	2324.2	2190.1	1248.3
55°	1293.1	1272.5	1365.9	1621.7	2119.5	2646.1	2820.3	2784.3	2417.0	2157.1	1227.7
57.5°	785.4	765.1	902.5	1161.5	1695.0	2456.6	2775.3	2811.8	2488.4	2120.9	1214.3
60°	330.2	317.3	371.2	554.4	1082.4	2018.9	2536.3	2627.5	2501.9	2071.1	1219.8
62.5°	171.7	165.9	169.0	222.0	437.6	1329.4	2111.0	2269.8	2366.2	2049.2	1225.3
65°	128.8	124.4	114.8	122.0	170.1	574.7	1517.0	1729.7	2072.0	1993.4	1188.2
67.5°	105.8	101.6	94.8	92.6	100.3	199.4	774.4	1050.8	1623.6	1755.8	1055.2
70°	84.3	83.0	80.8	76.6	75.3	96.7	277.7	428.3	1073.6	1238.2	764.8
72.5°	70.3	70.6	68.1	64.6	59.6	62.4	110.7	146.4	519.5	593.7	320.3
75°	58.8	58.8	59.6	54.7	49.7	42.9	61.5	71.4	166.8	137.1	68.4
77.5°	46.2	46.7	50.3	46.2	39.8	26.9	33.5	38.2	49.5	39.6	25.0
80°	36.8	36.3	34.9	41.5	35.7	19.0	15.9	17.6	23.1	19.0	12.4
82.5°	25.8	25.5	24.5	28.0	27.7	14.0	10.4	10.7	14.0	12.1	7.7
85°	6.3	7.4	15.7	13.2	11.5	8.2	6.3	6.9	9.1	8.0	4.1
87.5°	2.7	2.7	7.1	8.5	5.5	3.6	2.7	3.0	4.7	4.7	2.5
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°	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8	733.8
2.5°	736.3	718.4	695.9	672.0	647.5	618.1	599.4	584.1	572.0	562.6	559.3
5°	739.0	704.7	653.6	590.1	525.5	465.1	418.4	383.8	355.2	339.6	332.7
7.5°	738.7	693.1	600.8	494.5	389.6	302.5	240.7	202.5	176.9	166.5	160.2
10°	738.5	678.0	540.7	388.5	260.4	175.3	129.1	107.7	98.4	94.8	94.2
12.5°	746.4	660.7	473.3	286.0	163.5	109.1	89.8	84.9	82.7	81.6	81.3
15°	750.8	644.8	402.5	201.9	110.2	86.3	80.2	78.0	77.2	76.6	76.4
17.5°	755.5	620.1	335.2	146.2	88.2	78.3	74.7	73.4	72.8	72.8	72.8
20°	756.3	593.4	268.4	107.7	78.3	73.1	69.5	68.1	67.3	66.8	66.8
22.5°	750.3	561.8	211.0	87.4	72.5	68.1	64.3	62.1	60.7	60.4	60.4
25°	735.2	517.0	161.8	76.6	67.9	63.2	58.5	56.0	54.9	54.9	54.9
27.5°	713.5	464.3	125.0	68.1	61.8	57.1	53.0	50.8	50.5	50.3	50.5
30°	688.7	413.5	95.6	60.4	54.7	50.8	47.5	46.4	47.0	47.0	47.3
32.5°	664.0	362.6	74.7	54.4	48.4	45.1	43.4	43.4	44.2	44.2	44.2
35°	642.9	312.9	62.6	49.5	44.0	41.2	40.4	41.2	41.8	42.0	42.0
37.5°	631.0	270.1	55.2	45.1	40.4	38.2	37.9	38.7	39.8	40.7	40.9
40°	626.6	237.1	50.8	41.8	37.1	35.7	35.4	36.5	38.5	39.8	40.1
42.5°	626.9	208.0	47.0	38.5	34.9	33.0	33.0	34.6	36.5	37.9	37.9
45°	628.8	183.0	43.1	35.2	33.0	29.7	29.9	32.1	33.5	34.9	34.9
47.5°	630.5	162.9	39.0	31.6	28.6	26.9	27.5	29.1	31.0	33.2	33.2
50°	620.9	148.6	34.9	27.7	25.0	24.5	25.5	26.9	29.7	31.9	32.1
52.5°	597.8	135.7	31.3	24.7	22.5	22.8	24.2	25.0	27.2	27.5	27.7
55°	587.6	129.1	28.6	22.5	20.6	21.4	22.3	22.5	22.0	20.6	20.6
57.5°	585.4	124.7	25.8	20.3	19.0	20.1	19.8	18.1	16.5	14.8	14.6
60°	587.6	118.7	23.6	17.6	17.3	17.6	16.8	13.7	11.5	10.4	9.9
62.5°	575.0	109.9	21.7	15.1	15.1	14.8	12.6	9.3	7.4	6.6	6.3
65°	533.2	92.6	19.8	12.6	12.4	11.8	8.5	6.3	4.9	4.1	3.8
67.5°	451.1	71.7	17.9	10.4	9.9	8.2	5.5	4.1	2.7	2.5	2.2
70°	307.7	44.5	15.1	8.2	7.4	5.2	3.3	2.5	1.6	1.4	1.1
72.5°	111.5	25.8	12.6	6.3	4.9	3.3	1.9	1.1	0.8	0.8	0.5
75°	26.4	18.1	9.6	4.7	3.3	1.9	1.1	0.8	0.5	0.5	0.3
77.5°	12.1	14.0	6.3	2.7	2.2	1.4	0.8	0.5	0.3	0.3	0.0
80°	6.9	9.9	3.0	1.9	1.6	1.1	0.5	0.3	0.3	0.0	0.0
82.5°	3.6	5.5	2.2	1.6	1.4	0.8	0.5	0.0	0.0	0.0	0.0
85°	2.5	2.7	1.6	1.4	1.1	0.8	0.5	0.0	0.0	0.0	0.0
87.5°	1.9	1.9	1.6	1.4	1.1	0.8	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)