

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: P673319

Luminaire Tested: **CCP-SA-1C-835-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673319
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-835-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3
distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

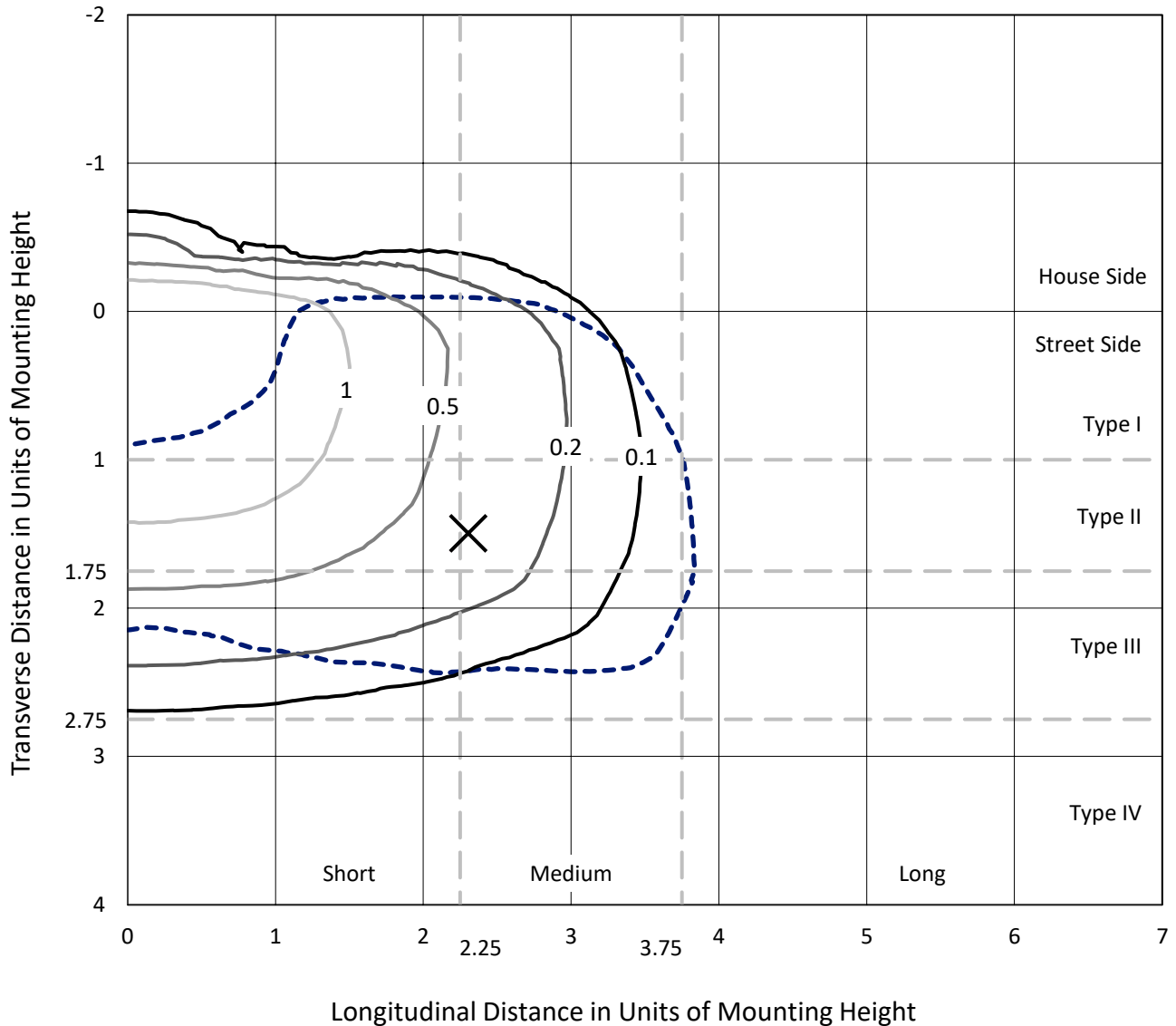
Lumens per Lamp: N/A
Luminaire Lumens: 2683.9 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

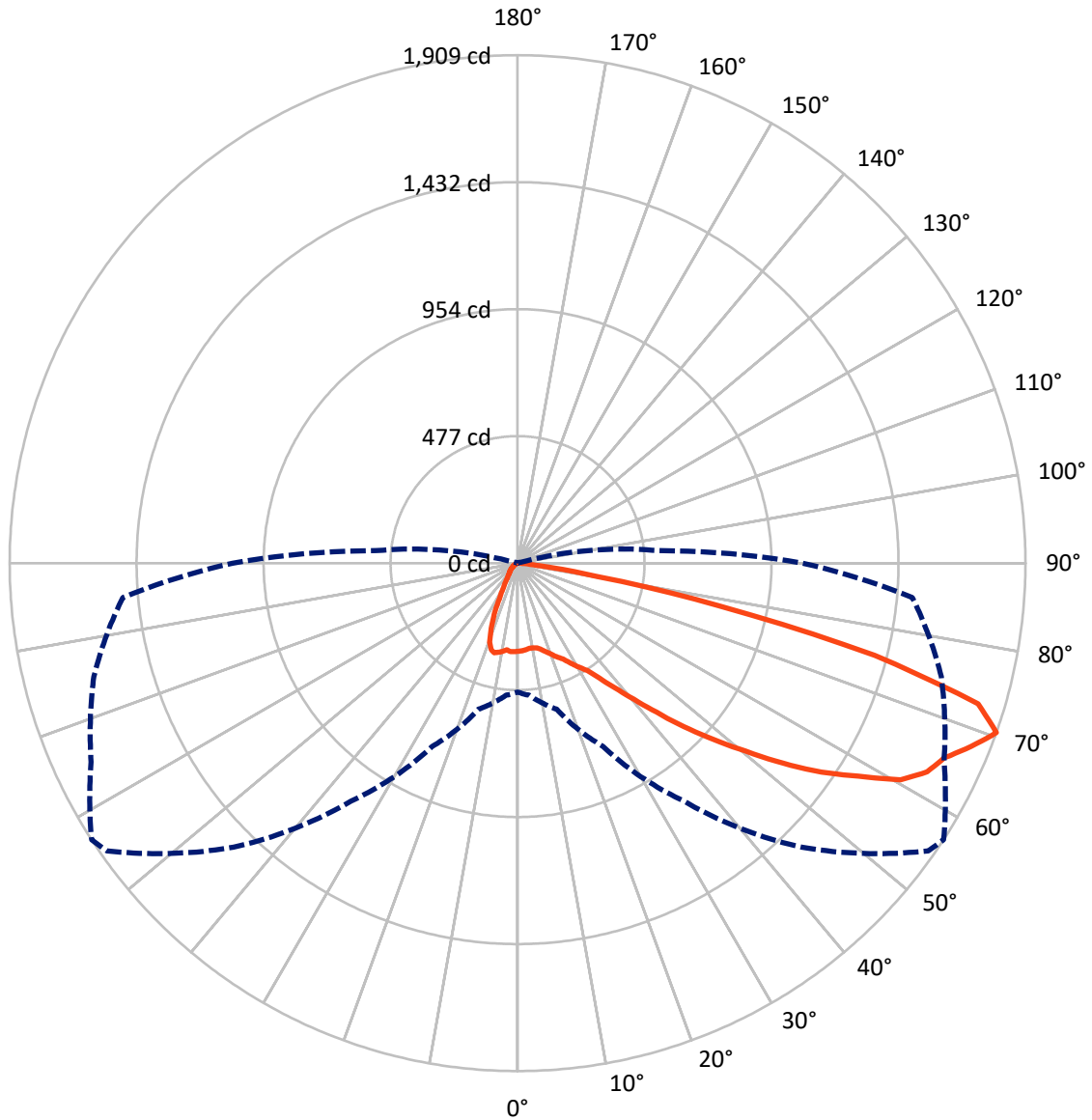
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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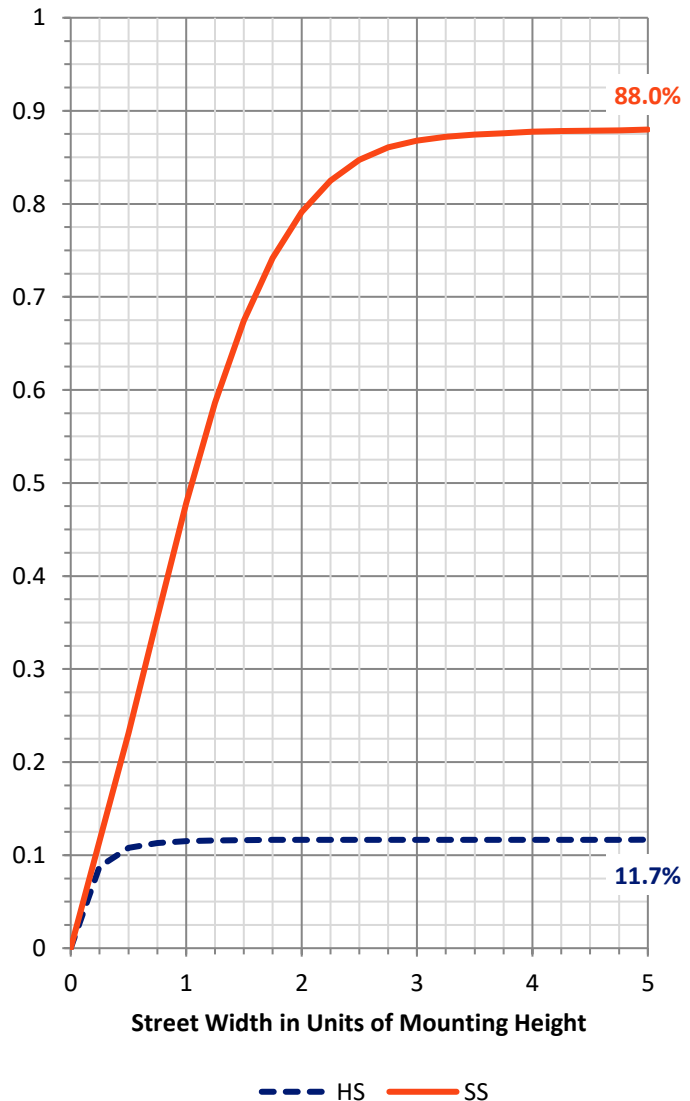
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.4	0.0	316.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2367.5	0.0	2367.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	2683.9	0.0	2683.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.2
10°-20°	86.5	3.2
20°-30°	145.7	5.4
30°-40°	249.4	9.3
40°-50°	418.8	15.6
50°-60°	642.9	24.0
60°-70°	742.3	27.7
70°-80°	350.6	13.1
80°-90°	16.6	0.6
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°	2683.9	100.0
0°-180°	2683.9	100.0



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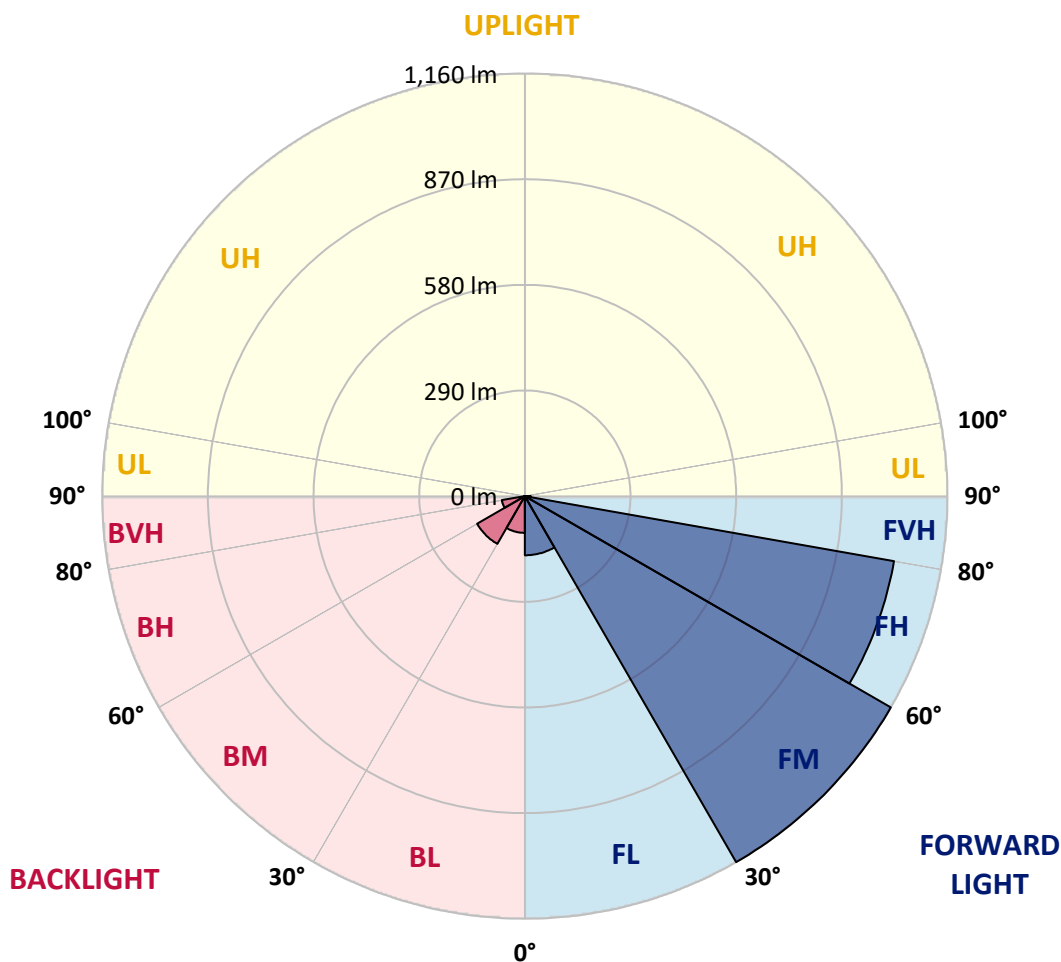
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.4	6.0			
FM (30°-60°)	1159.9	43.2			
FH (60°-80°)	1028.9	38.3			G1/1800
FVH (80°-90°)	16.3	0.6			G1/100
BL (0°-30°)	100.9	3.8	B0/110		
BM (30°-60°)	151.2	5.6	B0/220		
BH (60°-80°)	64.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2
2.5°	326.4	324.3	326.4	329.1	326.4	328.4	327.7	329.8	327.0	327.0	329.1
5°	305.1	308.5	309.9	313.3	316.8	322.9	327.0	327.0	331.2	333.2	336.0
7.5°	297.6	292.1	297.6	300.3	303.7	314.0	320.2	322.9	328.4	336.0	340.1
10°	286.6	290.7	290.7	299.6	304.4	310.6	321.6	323.6	336.0	343.5	347.6
12.5°	285.9	285.9	289.3	295.5	305.1	316.8	330.5	326.4	339.4	353.1	360.0
15°	288.0	292.8	292.8	301.0	308.5	325.0	336.6	337.3	355.8	369.6	375.7
17.5°	296.9	294.8	297.6	302.4	314.0	329.8	349.0	351.0	372.3	390.8	399.7
20°	315.4	318.8	314.7	312.0	316.8	337.3	362.0	366.1	390.1	407.9	416.9
22.5°	384.6	381.9	365.4	346.2	338.0	347.6	374.4	384.0	412.1	433.3	440.9
25°	462.8	458.0	438.8	410.0	372.3	368.2	399.0	399.0	439.5	462.8	460.7
27.5°	536.8	535.5	512.9	482.7	429.2	399.7	418.9	426.5	470.3	489.5	480.6
30°	612.3	613.6	593.1	556.7	500.5	450.5	447.0	453.2	493.7	523.8	505.3
32.5°	700.0	687.7	673.3	623.2	571.8	515.6	483.4	480.6	519.7	547.1	522.4
35°	778.2	770.6	754.9	709.6	650.7	583.5	538.2	531.4	552.6	589.0	562.2
37.5°	846.8	839.2	818.6	788.5	742.5	667.8	604.0	593.8	602.7	641.1	608.8
40°	905.7	907.8	902.3	872.8	830.3	762.4	689.1	672.6	665.1	699.3	663.0
42.5°	948.2	968.1	969.5	933.1	898.9	861.8	779.6	766.5	748.7	777.5	752.1
45°	1037.4	1026.4	1033.2	1020.2	982.5	977.0	883.8	876.2	851.6	861.2	834.4
47.5°	1107.3	1105.2	1118.3	1097.0	1086.7	1087.4	1002.4	989.4	954.4	972.2	942.1
50°	1147.7	1136.8	1184.1	1200.5	1198.5	1206.7	1122.4	1111.4	1077.8	1103.9	1039.4
52.5°	1157.3	1177.2	1221.8	1281.4	1306.8	1324.0	1253.3	1249.2	1212.9	1229.3	1140.2
55°	1181.3	1200.5	1226.6	1324.6	1418.6	1422.7	1382.2	1386.3	1354.1	1350.0	1236.2
57.5°	1180.7	1176.5	1248.5	1362.3	1492.6	1551.6	1529.6	1509.8	1474.8	1434.3	1297.9
60°	1137.5	1135.4	1210.1	1367.1	1533.1	1668.1	1677.1	1653.7	1566.0	1506.3	1370.6
62.5°	1051.8	1060.0	1135.4	1326.0	1571.5	1710.0	1742.9	1727.1	1618.1	1554.3	1456.3
65°	953.7	936.6	1024.3	1223.2	1485.1	1697.6	1768.9	1763.4	1679.8	1606.4	1535.1
67.5°	765.2	772.7	839.9	1052.4	1337.7	1652.4	1829.9	1838.2	1729.2	1652.4	1559.1
70°	484.7	498.5	568.4	760.4	1092.2	1509.8	1884.8	1908.8	1768.2	1648.3	1489.2
72.5°	141.2	146.7	242.0	379.2	695.9	1210.8	1797.0	1809.4	1692.1	1496.0	1151.9
75°	46.6	49.4	71.3	123.4	272.9	626.0	1327.4	1385.7	1346.6	1084.7	658.9
77.5°	30.9	32.2	39.1	59.0	103.5	196.1	711.7	774.1	759.0	508.1	212.5
80°	22.6	23.3	28.8	39.8	63.1	70.6	262.6	303.7	293.4	116.6	42.5
82.5°	14.4	14.4	21.3	28.1	39.8	35.0	76.1	84.3	82.3	44.6	16.5
85°	9.6	10.3	15.8	21.9	21.9	16.5	21.9	25.4	27.4	24.0	7.5
87.5°	2.7	3.4	8.9	15.1	8.9	8.2	7.5	8.2	9.6	13.0	4.1
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°	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2
2.5°	331.2	333.9	333.2	334.6	332.5	330.5	332.5	332.5	332.5	330.5	329.1
5°	333.9	332.5	333.9	331.2	333.9	331.2	329.8	325.7	325.0	325.0	327.7
7.5°	338.0	339.4	333.2	333.2	327.0	328.4	325.0	325.7	324.3	322.2	320.9
10°	344.2	349.7	343.5	341.4	334.6	329.1	320.9	316.8	316.8	314.0	316.8
12.5°	361.3	359.3	355.8	349.0	340.8	329.8	309.9	290.0	273.6	261.2	267.4
15°	375.0	374.4	369.6	356.5	345.6	312.0	261.9	210.5	183.1	170.7	168.7
17.5°	396.3	394.2	386.0	368.9	332.5	258.5	179.6	136.4	109.7	103.5	101.5
20°	416.2	415.5	397.7	375.7	299.6	188.5	117.2	89.8	82.3	83.0	81.6
22.5°	437.4	434.0	412.7	367.5	238.6	125.5	83.6	80.2	77.5	76.8	78.2
25°	461.4	449.1	427.8	349.0	175.5	86.4	78.8	76.1	73.4	72.7	72.7
27.5°	471.0	462.8	434.7	304.4	111.1	75.4	74.0	70.6	67.2	65.1	64.4
30°	493.0	479.3	441.5	239.3	78.8	69.2	67.2	63.1	58.3	54.9	54.9
32.5°	514.9	498.5	442.2	167.3	65.8	62.4	59.0	53.5	47.3	43.9	44.6
35°	542.3	519.7	434.7	108.3	59.0	54.9	48.0	41.8	36.3	33.6	33.6
37.5°	589.0	567.7	403.8	71.3	53.5	46.6	39.8	32.9	28.1	26.1	26.1
40°	647.9	620.5	361.3	56.2	47.3	39.8	31.5	25.4	22.6	20.6	20.6
42.5°	718.5	684.3	298.2	50.1	41.8	32.9	24.7	19.9	17.1	17.1	16.5
45°	789.2	732.9	233.8	45.9	37.0	27.4	19.2	15.8	14.4	13.7	13.7
47.5°	889.9	791.9	167.3	41.8	32.2	21.3	15.8	13.0	11.7	11.0	11.7
50°	986.6	847.4	118.6	37.7	26.7	17.1	13.0	11.7	10.3	9.6	9.6
52.5°	1071.6	885.8	83.0	32.9	22.6	14.4	11.7	10.3	9.6	8.9	8.9
55°	1118.3	872.8	56.9	28.1	18.5	12.3	10.3	8.9	8.2	7.5	7.5
57.5°	1166.3	836.5	43.2	23.3	15.1	11.7	9.6	8.2	7.5	6.9	6.9
60°	1206.7	809.7	33.6	18.5	12.3	9.6	8.2	6.9	6.2	5.5	4.8
62.5°	1208.8	756.2	24.7	13.7	9.6	8.2	6.9	5.5	3.4	2.7	2.1
65°	1217.0	700.0	17.8	10.3	6.9	6.2	4.8	2.7	1.4	0.0	0.0
67.5°	1188.2	633.5	14.4	7.5	4.8	3.4	2.1	0.7	0.0	0.0	0.0
70°	1071.0	534.8	11.0	5.5	3.4	2.1	0.7	0.0	0.0	0.0	0.0
72.5°	766.5	347.6	7.5	4.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	408.6	148.1	5.5	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	128.2	37.7	3.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.1	10.3	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.6	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.0	0.0	0.0	0.0	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)