

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: P674635

Luminaire Tested: **CCP-SA-1A-850-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674635  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-850-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

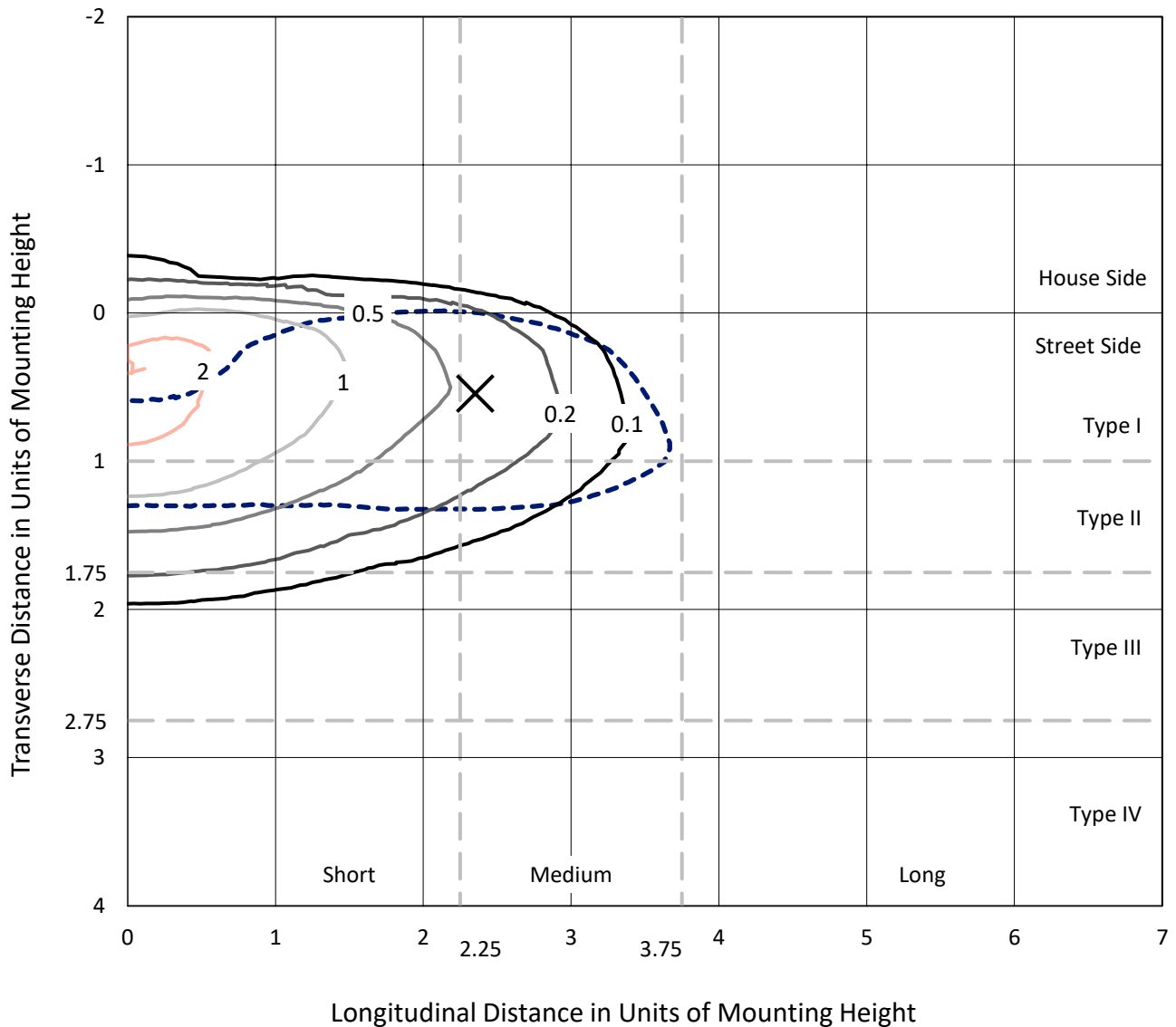
Lumens per Lamp: N/A  
Luminaire Lumens: 1933 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G0

Input Watts (W): 18  
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

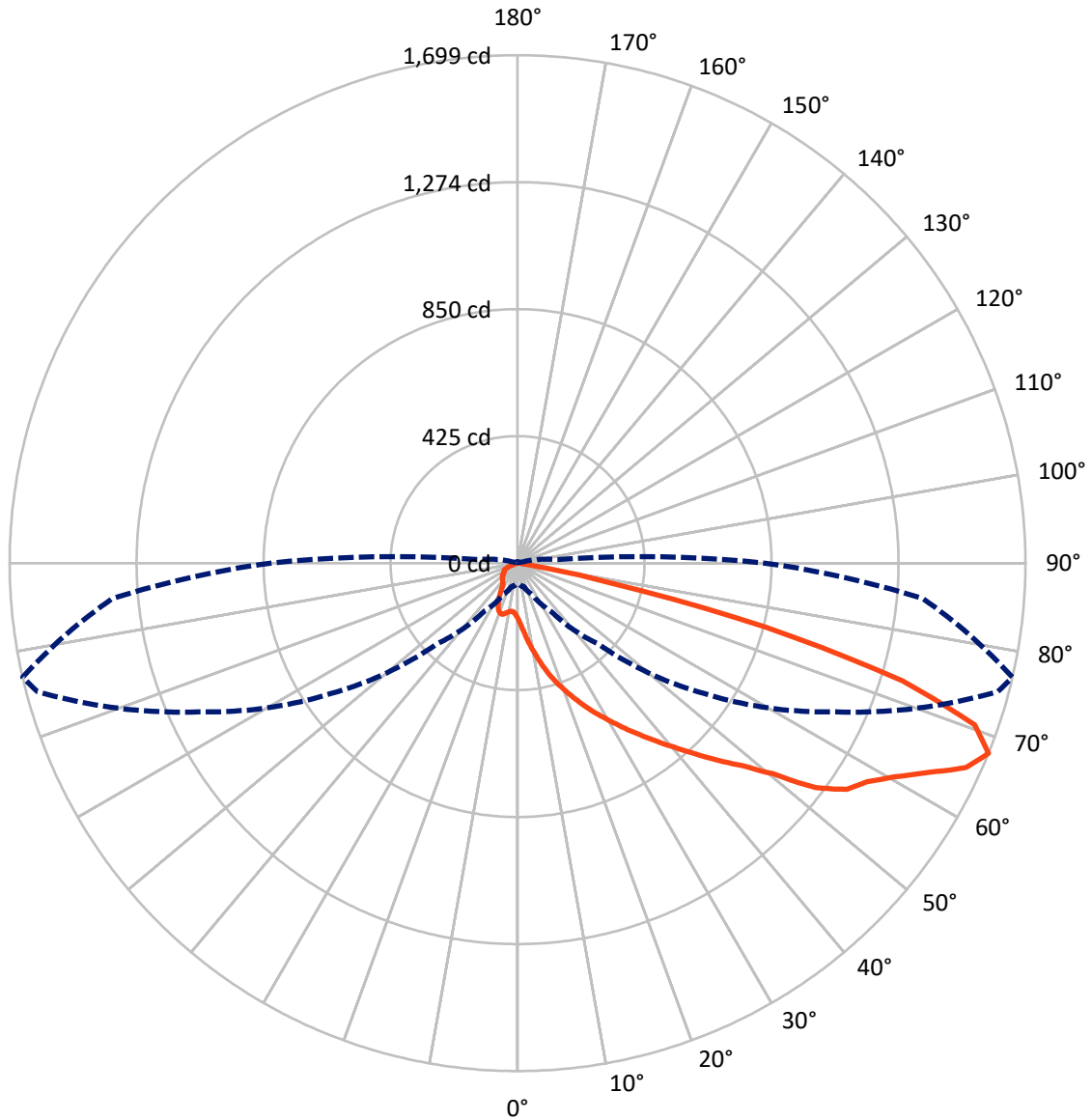
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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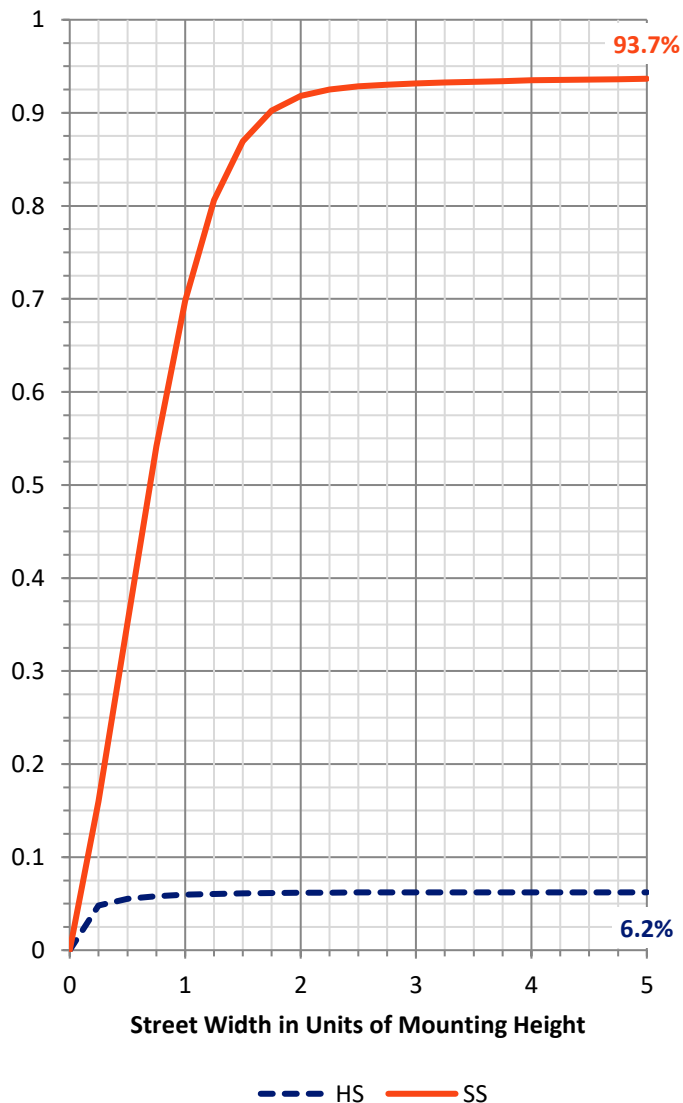
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	120.8	0.0	120.8
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	1812.2	0.0	1812.2
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	1933.0	0.0	1933.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	1.1
10°-20°	80.5	4.2
20°-30°	157.2	8.1
30°-40°	274.8	14.2
40°-50°	400.8	20.7
50°-60°	468.7	24.2
60°-70°	380.0	19.7
70°-80°	142.7	7.4
80°-90°	6.5	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°	1933.0	100.0
0°-180°	1933.0	100.0

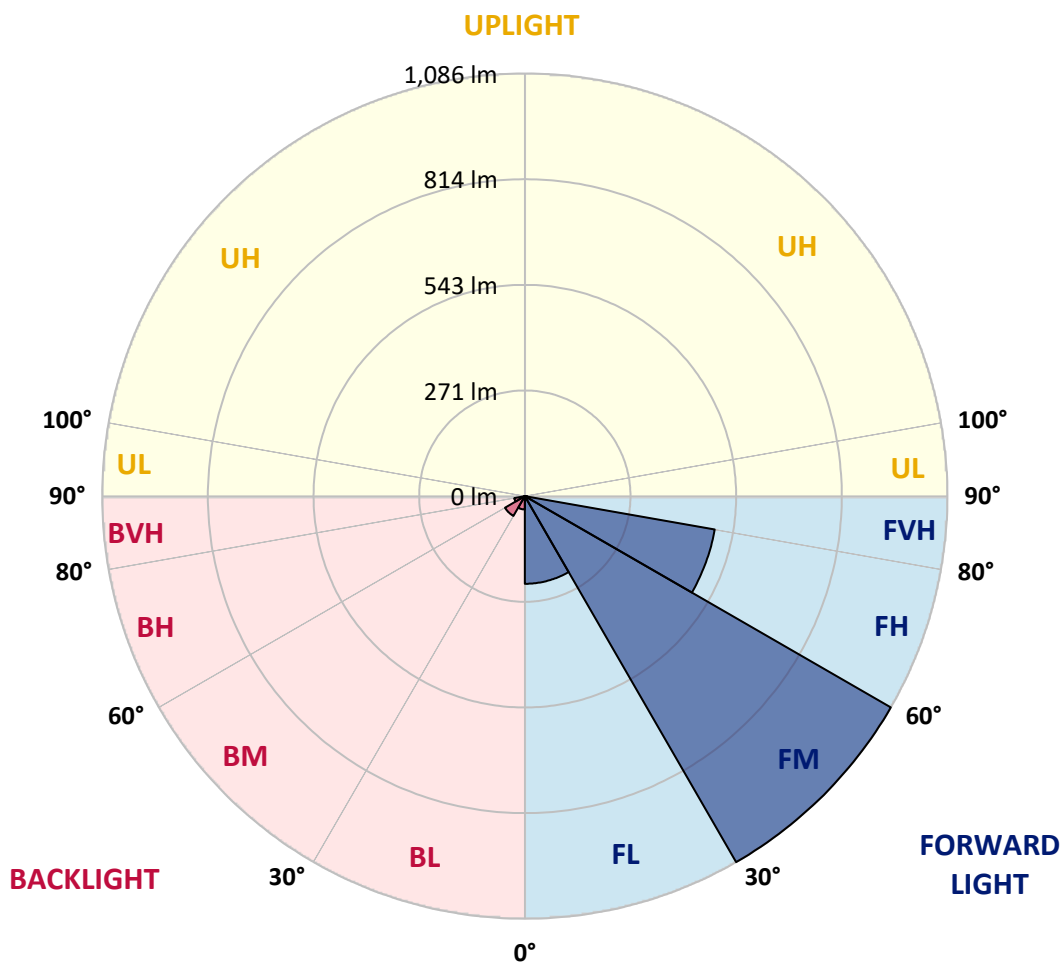


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.2	11.6			
FM (30°-60°)	1085.6	56.2			
FH (60°-80°)	495.3	25.6			G0/660
FVH (80°-90°)	6.1	0.3			G0/10
BL (0°-30°)	34.3	1.8	B0/110		
BM (30°-60°)	58.8	3.0	B0/220		
BH (60°-80°)	27.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	278.0	267.9	269.8	265.6	260.2	247.6	234.4	221.1	209.2	206.6	194.7
5°	356.0	352.8	349.5	346.7	335.4	319.7	295.8	265.4	238.0	233.3	208.7
7.5°	416.5	411.8	414.8	406.2	394.4	379.2	348.8	316.4	274.1	267.2	228.9
10°	461.2	458.6	460.0	456.0	450.2	435.0	405.0	364.4	315.5	302.2	251.6
12.5°	494.7	495.2	501.3	501.7	497.0	484.6	452.8	410.4	353.0	341.1	276.8
15°	519.1	519.7	527.2	535.2	540.6	534.1	505.3	457.9	397.2	380.9	303.1
17.5°	523.1	523.5	536.8	553.0	569.7	575.3	553.2	505.0	437.5	419.0	333.3
20°	525.8	528.7	540.6	559.3	585.8	603.1	591.0	550.2	476.6	455.1	363.0
22.5°	557.5	557.5	564.5	577.8	598.9	625.9	623.5	591.7	514.6	493.3	392.4
25°	624.9	624.9	618.1	614.6	625.9	647.2	653.3	636.0	558.0	532.9	423.5
27.5°	714.0	714.0	703.4	677.8	668.0	676.9	683.3	674.6	598.2	573.4	456.3
30°	806.5	809.7	791.2	758.5	724.3	717.5	711.3	709.3	640.9	613.0	489.6
32.5°	899.4	899.0	876.0	835.3	790.7	766.6	746.2	743.9	686.3	658.9	521.2
35°	973.5	973.7	949.4	907.7	856.1	825.4	792.6	781.9	736.0	705.5	558.9
37.5°	1037.7	1034.1	1007.9	968.3	920.1	888.4	847.5	819.8	787.5	756.5	596.6
40°	1074.6	1069.7	1044.2	1006.5	970.0	945.8	909.8	865.5	844.1	810.5	639.5
42.5°	1080.0	1075.8	1058.9	1036.2	1006.3	985.0	975.4	917.2	903.4	873.0	690.8
45°	1064.8	1058.0	1052.4	1040.5	1032.2	1021.9	1035.0	972.1	971.4	941.2	741.6
47.5°	1027.1	1017.9	1019.2	1032.3	1041.8	1051.0	1091.8	1044.2	1040.0	1011.7	808.3
50°	962.7	958.2	973.5	999.4	1036.7	1073.7	1148.6	1117.8	1134.4	1107.9	900.2
52.5°	831.8	837.4	883.3	945.4	1010.0	1084.3	1201.8	1227.8	1270.2	1248.4	992.7
55°	674.8	672.7	733.9	844.2	947.4	1077.5	1225.0	1292.5	1359.2	1336.3	1044.2
57.5°	543.6	547.2	588.6	697.6	841.1	1025.0	1230.4	1326.4	1394.9	1379.8	1091.8
60°	408.0	411.5	449.2	544.1	699.7	915.4	1185.7	1338.2	1462.1	1450.6	1167.9
62.5°	259.7	264.2	302.1	394.4	534.8	745.1	1085.4	1325.8	1532.3	1541.9	1271.7
65°	127.7	131.7	159.7	230.3	357.5	557.2	945.4	1278.6	1621.6	1649.0	1355.0
67.5°	70.7	72.6	82.2	117.3	199.5	382.2	759.8	1177.5	1662.6	1699.3	1360.6
70°	55.0	55.5	59.2	68.4	97.2	224.2	540.4	1009.3	1577.6	1622.0	1247.3
72.5°	46.2	46.9	48.7	51.8	60.7	116.7	339.6	780.0	1327.4	1347.5	965.0
75°	33.9	34.9	39.8	42.6	48.0	70.8	149.7	468.7	877.2	857.5	539.9
77.5°	28.4	29.3	30.5	34.6	39.6	48.3	52.5	196.5	357.0	310.4	141.7
80°	19.4	20.4	23.7	25.8	33.5	31.9	21.8	52.7	71.7	58.5	27.2
82.5°	13.8	14.7	16.4	21.1	24.3	16.9	11.9	16.1	17.3	16.4	8.9
85°	4.4	5.6	11.9	17.4	13.1	5.8	7.5	6.1	5.4	5.2	3.5
87.5°	0.9	0.9	5.9	7.0	5.2	3.0	2.6	1.9	2.4	2.4	1.9
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°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	189.2	181.3	170.0	159.3	148.5	140.8	135.4	130.0	127.9	127.0	124.8
5°	197.5	182.5	160.0	141.9	128.6	120.2	115.2	110.8	108.0	107.1	105.9
7.5°	209.6	187.9	155.7	134.7	121.5	112.4	104.2	94.8	87.2	84.3	83.1
10°	222.7	196.1	156.4	133.3	115.7	95.8	77.5	62.3	55.7	53.2	51.5
12.5°	241.9	205.2	159.3	131.7	98.4	68.4	49.6	43.3	41.7	41.4	41.0
15°	261.1	217.9	164.2	121.3	73.5	46.6	41.2	38.9	38.0	37.2	37.2
17.5°	280.4	230.2	166.1	100.9	50.8	40.3	37.5	35.6	34.2	33.5	33.0
20°	302.2	243.1	160.5	75.9	40.7	36.8	33.7	31.4	30.2	29.5	29.0
22.5°	325.8	255.8	148.3	52.9	37.0	33.2	30.2	27.9	26.7	26.0	25.8
25°	348.0	266.8	128.8	39.8	33.3	29.7	26.9	25.0	24.1	23.4	23.2
27.5°	370.8	276.2	103.3	35.1	30.4	26.9	24.1	22.5	21.6	21.1	20.9
30°	393.1	282.7	77.0	32.1	27.7	24.3	21.8	20.6	19.7	19.2	19.0
32.5°	416.2	286.4	52.0	29.5	25.1	22.0	19.9	18.7	18.1	17.6	17.6
35°	438.3	285.8	37.5	27.0	23.0	19.9	18.0	17.1	16.9	16.4	16.4
37.5°	462.6	282.2	31.9	24.8	20.8	18.0	16.4	15.9	15.7	15.4	15.2
40°	490.2	274.0	29.1	23.0	18.8	16.4	15.0	14.7	14.5	14.1	14.1
42.5°	520.4	263.3	27.6	21.1	17.3	14.8	13.8	13.3	13.1	12.7	12.7
45°	555.4	253.2	26.5	19.2	15.9	13.6	12.6	12.0	11.9	11.5	11.5
47.5°	603.2	247.4	24.8	17.4	14.3	12.4	11.3	11.0	10.6	10.3	10.3
50°	669.0	240.6	22.5	15.7	13.1	11.2	10.5	9.9	9.8	9.4	9.4
52.5°	723.1	226.2	20.2	14.0	11.7	10.3	9.6	9.2	8.9	8.7	8.7
55°	742.1	209.2	18.0	12.6	10.6	9.6	8.9	8.6	8.4	8.2	8.2
57.5°	772.5	203.8	15.9	11.2	9.6	8.9	8.2	8.0	7.9	7.7	7.5
60°	824.3	207.0	14.0	9.9	8.7	8.0	7.5	7.3	7.0	6.6	6.6
62.5°	874.6	203.1	11.9	8.7	7.5	7.2	6.6	6.3	5.6	5.1	4.7
65°	886.8	177.5	10.3	7.3	6.3	5.9	5.4	4.7	3.7	3.0	3.0
67.5°	827.6	134.9	8.9	6.3	5.2	4.9	3.8	3.1	2.3	1.7	1.7
70°	683.0	85.5	7.3	4.9	4.4	3.3	2.4	2.3	1.6	1.4	1.2
72.5°	492.8	46.8	6.1	4.0	3.1	2.1	1.7	1.4	1.0	0.7	0.7
75°	249.5	22.0	4.5	3.1	2.1	1.4	1.0	0.7	0.7	0.5	0.5
77.5°	70.7	10.1	3.0	2.1	1.4	0.9	0.7	0.5	0.5	0.3	0.3
80°	14.0	5.1	1.9	1.4	1.0	0.7	0.5	0.3	0.3	0.2	0.2
82.5°	5.1	2.6	1.4	1.0	0.9	0.7	0.3	0.2	0.2	0.0	0.0
85°	2.6	1.4	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	1.4	1.0	0.9	0.9	0.7	0.5	0.3	0.2	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)