

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: P673406

Luminaire Tested: **CCP-SA-1A-740-U-T4FT-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673406
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-T4FT-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T4FT distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

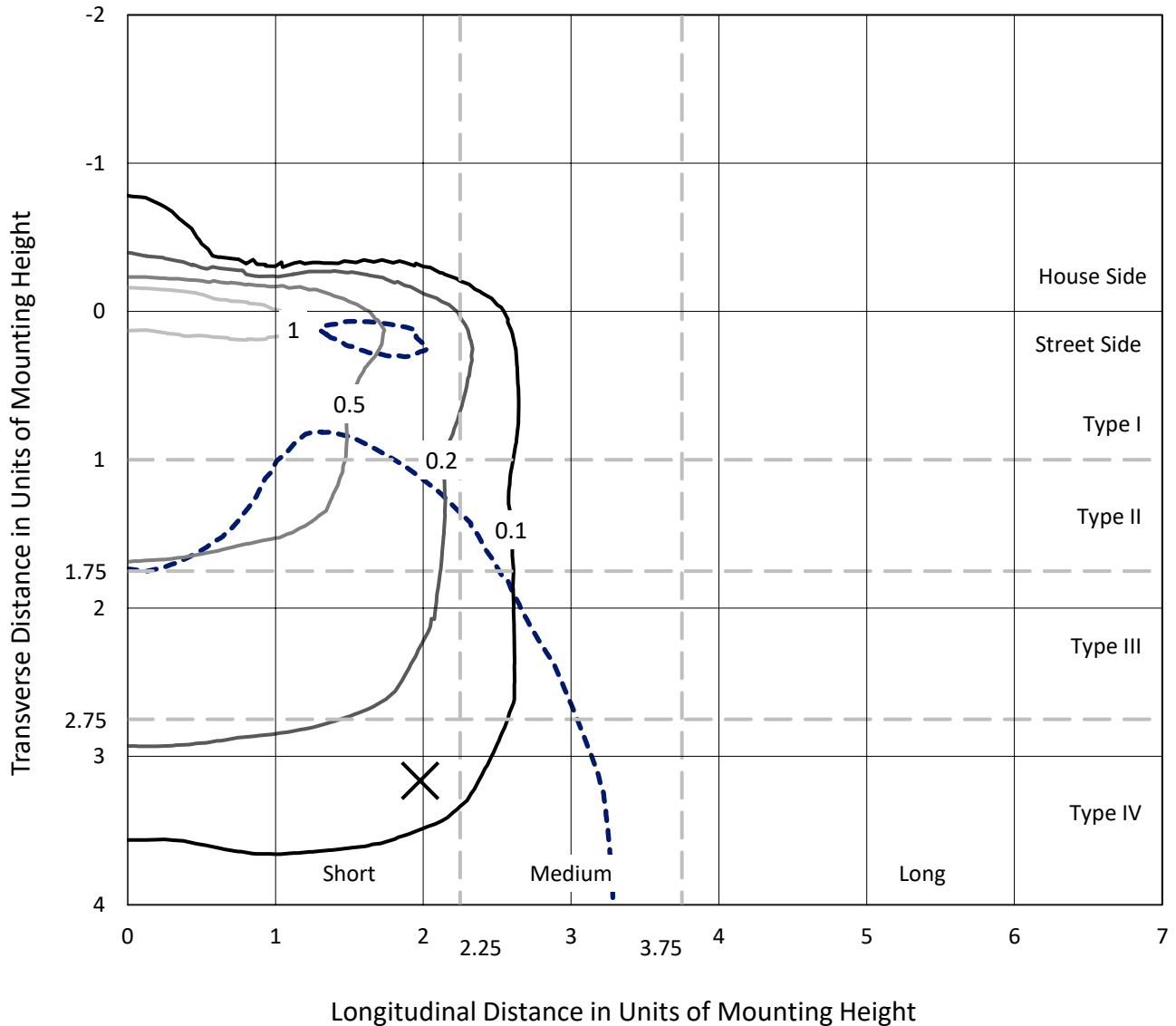
Lumens per Lamp: N/A
Luminaire Lumens: 1964.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P673406
 CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

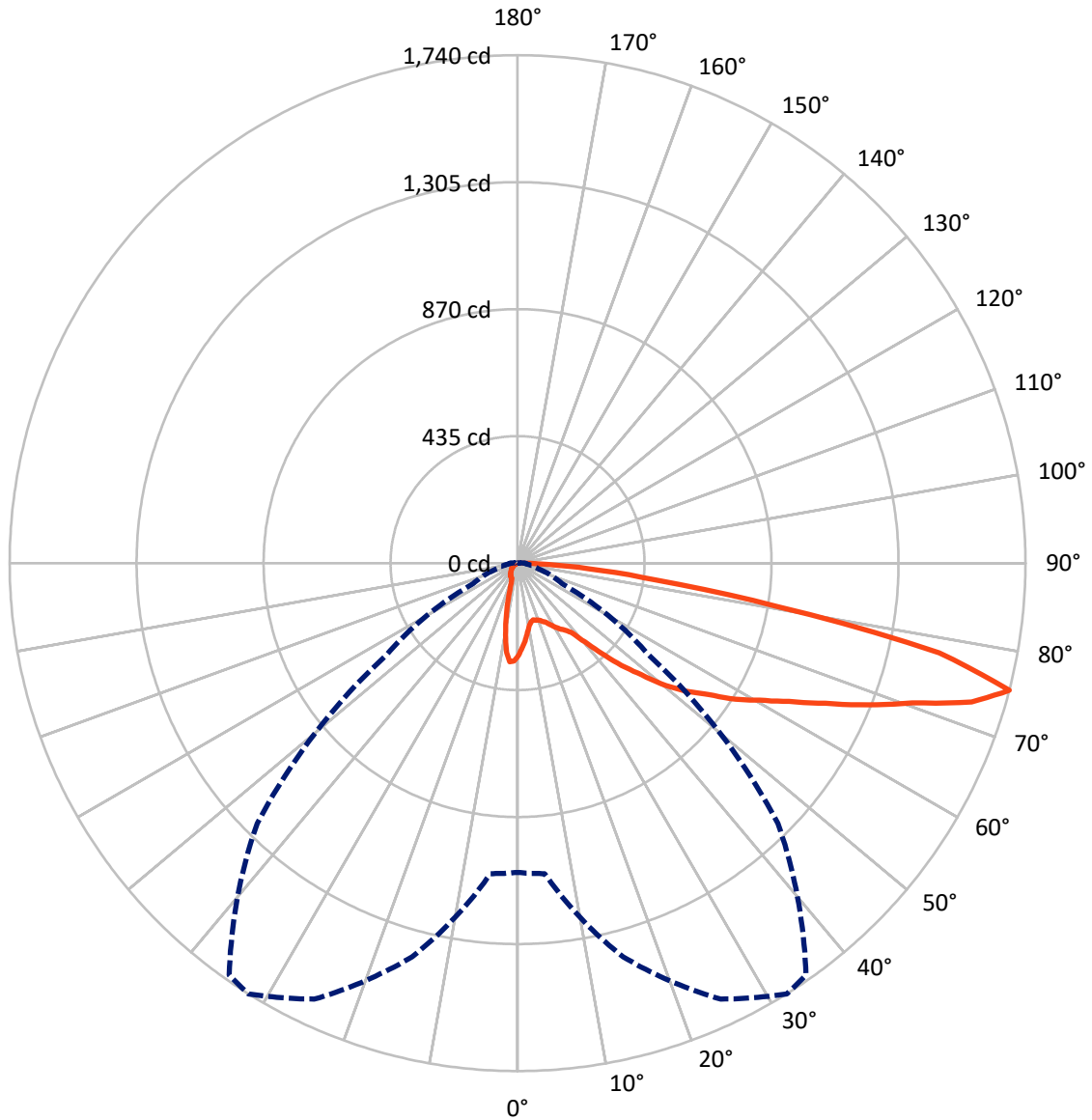
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P673406
CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P673406
 CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

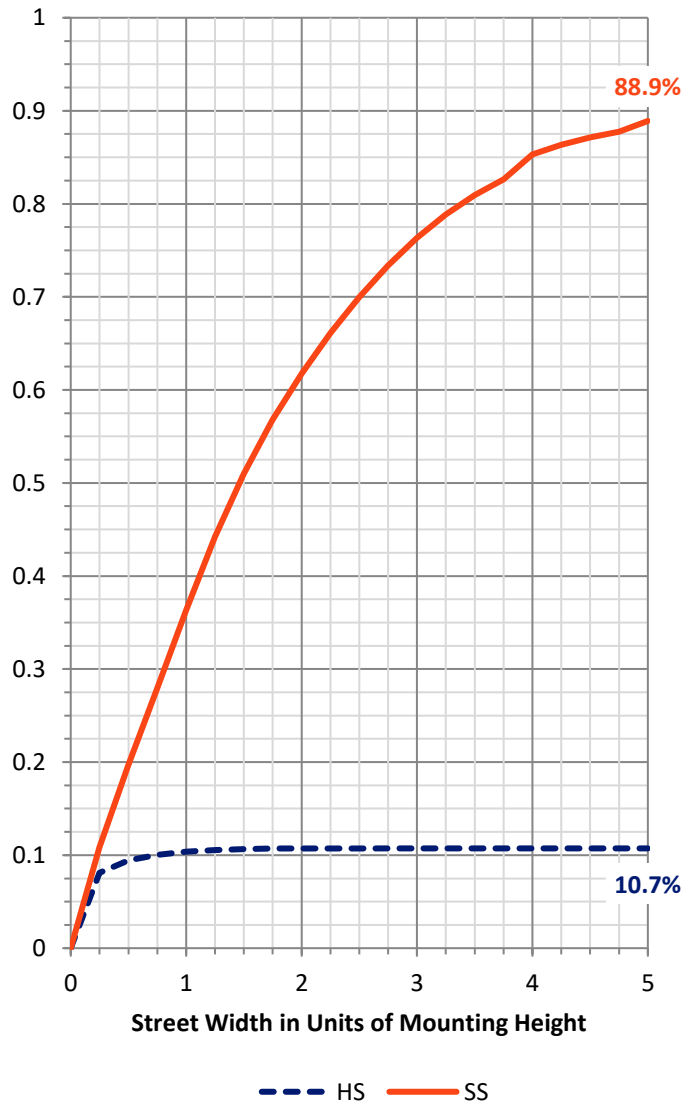
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	212.2	0.0	212.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1752.2	0.0	1752.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	1964.4	0.0	1964.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	1.4
10°-20°	63.3	3.2
20°-30°	94.8	4.8
30°-40°	145.4	7.4
40°-50°	254.4	12.9
50°-60°	397.6	20.2
60°-70°	514.0	26.2
70°-80°	418.7	21.3
80°-90°	48.5	2.5
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°	1964.4	100.0
0°-180°	1964.4	100.0



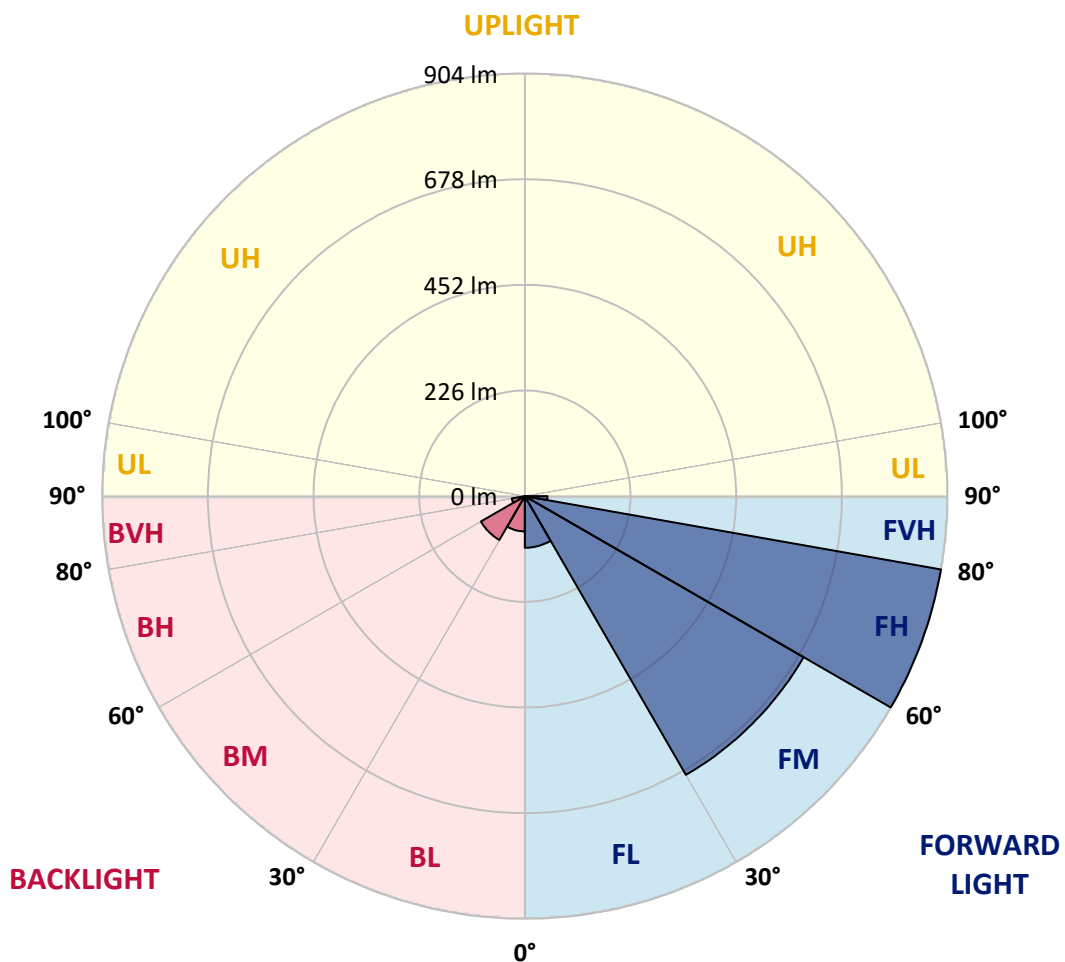
REPORT NUMBER: P673406
 CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.5	5.6			
FM (30°-60°)	688.8	35.1			
FH (60°-80°)	904.4	46.0			G1/1800
FVH (80°-90°)	48.4	2.5			G1/100
BL (0°-30°)	75.4	3.8	B0/110		
BM (30°-60°)	108.6	5.5	B0/220		
BH (60°-80°)	28.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	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 IV Short





REPORT NUMBER: P673406

CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2
2.5°	284.5	288.5	288.0	290.5	291.0	292.5	296.1	296.1	306.1	313.2	317.7
5°	258.8	256.3	257.3	260.3	267.9	267.4	275.9	280.4	292.5	302.6	313.2
7.5°	227.1	226.6	228.6	235.6	241.2	245.7	254.8	266.3	282.5	297.6	316.2
10°	206.9	205.9	210.0	212.0	218.5	221.5	235.6	253.8	272.9	294.5	316.2
12.5°	202.4	198.9	200.9	200.4	206.4	207.9	221.5	243.7	266.8	293.5	320.2
15°	204.9	202.4	200.4	200.4	201.9	202.9	217.5	237.1	263.3	295.0	329.3
17.5°	213.0	211.5	205.4	199.4	205.9	205.9	215.0	235.6	263.8	299.6	340.4
20°	222.5	221.0	210.5	203.4	207.9	213.0	222.5	239.2	265.3	303.1	357.5
22.5°	233.1	233.1	218.5	210.5	216.5	217.0	234.1	250.2	271.4	312.2	368.6
25°	246.2	245.2	231.1	222.0	224.1	229.6	245.2	262.3	282.5	324.7	389.2
27.5°	263.3	261.8	245.2	236.1	238.7	244.7	262.3	279.4	292.5	329.8	406.8
30°	277.4	275.9	262.3	248.7	254.3	259.8	280.4	295.5	305.1	339.4	427.0
32.5°	280.4	277.9	268.9	262.8	268.9	279.4	295.5	311.2	325.8	363.5	465.2
35°	315.2	306.1	282.5	272.9	282.0	285.5	312.2	339.9	354.0	382.7	508.0
37.5°	381.6	373.1	341.9	315.2	302.6	306.6	341.4	375.6	389.2	418.4	554.8
40°	463.2	449.1	415.9	380.1	354.5	349.4	372.1	422.4	435.5	463.2	616.3
42.5°	556.4	542.8	491.4	449.1	422.9	416.4	419.9	476.8	487.9	504.5	656.5
45°	623.3	616.3	558.4	520.6	500.0	492.9	484.4	536.2	550.3	555.8	715.0
47.5°	662.1	657.1	624.8	599.1	571.5	563.9	569.4	618.8	609.2	613.8	770.8
50°	713.9	700.9	657.1	665.1	659.6	657.6	667.1	688.8	674.7	661.6	831.8
52.5°	755.7	732.6	701.9	721.5	730.1	737.6	771.3	787.5	724.5	704.4	871.0
55°	781.4	759.3	767.3	785.4	794.5	829.2	869.0	856.9	757.2	738.6	923.4
57.5°	804.6	806.1	827.7	833.3	879.6	885.6	962.2	922.9	780.4	769.8	944.0
60°	860.5	854.9	872.5	908.3	952.6	986.3	1059.3	967.2	792.0	785.9	938.5
62.5°	961.2	926.9	933.0	978.3	1043.2	1080.0	1115.2	987.3	789.0	788.5	921.9
65°	1089.0	1049.8	1031.6	1073.9	1158.0	1209.9	1178.2	1010.0	768.8	782.9	860.0
67.5°	1195.3	1195.8	1162.0	1185.7	1295.5	1306.5	1237.6	1005.5	735.1	739.1	708.9
70°	1317.6	1334.2	1304.5	1378.5	1433.4	1440.5	1305.5	968.2	662.6	557.4	407.3
72.5°	1348.8	1357.4	1450.0	1563.8	1625.8	1627.8	1372.5	843.8	436.0	246.2	126.4
75°	1059.3	1067.4	1395.7	1647.4	1739.5	1721.9	1260.7	547.8	169.7	72.0	30.2
77.5°	591.1	593.6	866.5	1331.7	1475.7	1404.7	883.1	213.5	68.5	41.3	14.1
80°	161.6	189.8	321.2	656.5	901.2	884.6	420.4	69.5	44.3	32.2	6.5
82.5°	38.8	41.8	103.2	290.5	476.3	496.9	125.4	35.2	30.7	26.7	3.5
85°	14.1	15.6	31.7	141.5	244.7	224.6	37.8	17.6	22.7	20.6	1.5
87.5°	5.0	5.0	10.1	46.3	71.5	53.9	12.6	6.0	11.6	12.6	0.5
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: P673406

CATALOG NUMBER: CCP-SA-1A-740-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2
2.5°	318.2	318.2	325.3	331.3	333.3	335.8	333.3	338.8	338.3	335.8	336.8
5°	318.7	327.8	333.8	337.8	339.9	339.4	340.4	334.3	330.8	328.3	325.8
7.5°	321.2	329.8	340.9	339.9	334.3	322.7	313.7	297.6	282.0	281.4	278.9
10°	329.8	337.3	343.9	339.9	319.7	284.5	255.8	234.1	214.5	205.4	206.4
12.5°	335.8	349.9	346.9	326.3	284.5	238.1	195.9	164.1	146.5	129.9	129.9
15°	348.4	353.4	352.4	306.6	241.2	185.8	134.4	102.2	83.6	76.0	75.0
17.5°	360.5	366.0	348.9	276.9	198.4	124.9	81.6	63.4	60.9	59.9	60.4
20°	375.6	376.1	345.9	247.2	149.0	79.0	58.4	56.9	57.4	56.9	56.9
22.5°	391.7	395.2	335.3	205.4	99.2	57.4	54.4	54.9	54.9	54.9	56.4
25°	412.9	407.3	318.7	165.6	64.9	52.9	52.9	53.4	53.4	53.4	53.9
27.5°	427.0	419.4	297.6	119.3	50.9	49.8	50.9	50.9	51.9	51.9	51.9
30°	456.2	436.5	270.9	77.0	45.8	47.3	48.3	49.3	49.8	50.9	51.4
32.5°	478.8	451.6	237.6	51.4	41.8	42.8	45.3	47.3	49.3	48.8	48.8
35°	520.1	476.3	206.9	40.8	38.3	38.3	40.8	44.3	47.3	48.3	48.3
37.5°	567.4	496.4	164.1	37.3	35.2	35.2	36.8	40.8	44.8	46.8	45.8
40°	606.7	519.6	121.3	34.7	32.7	32.7	33.7	36.8	41.3	44.8	45.3
42.5°	634.4	536.7	82.1	32.2	30.7	30.2	31.7	33.2	36.8	41.8	42.8
45°	659.6	545.8	50.9	29.7	28.7	28.7	28.7	30.2	32.7	37.3	38.3
47.5°	704.4	555.8	36.8	27.7	26.2	26.7	27.2	27.7	29.7	30.7	31.2
50°	742.1	563.4	30.2	25.7	24.7	25.2	25.2	25.2	26.2	24.7	24.7
52.5°	770.8	555.8	25.7	23.7	22.7	23.2	22.7	22.7	21.6	19.6	19.6
55°	792.0	542.3	20.6	21.6	21.6	21.6	20.6	19.1	17.1	15.6	15.6
57.5°	797.5	519.1	16.1	18.1	19.6	19.6	17.6	15.6	13.1	11.6	11.1
60°	789.0	468.7	12.1	13.1	15.1	15.6	14.1	11.6	9.1	7.6	7.6
62.5°	758.3	429.0	9.6	8.6	11.1	11.6	10.1	7.6	5.0	3.5	3.0
65°	699.8	367.5	7.0	6.0	7.6	8.1	6.5	3.5	1.5	0.5	0.0
67.5°	561.4	276.9	4.5	4.0	5.0	5.0	3.0	1.0	0.0	0.0	0.0
70°	310.7	155.6	3.0	2.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	89.6	44.3	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.2	10.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.6	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	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)