

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: P672244

Luminaire Tested: **CCP-SA-1B-735-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672244
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

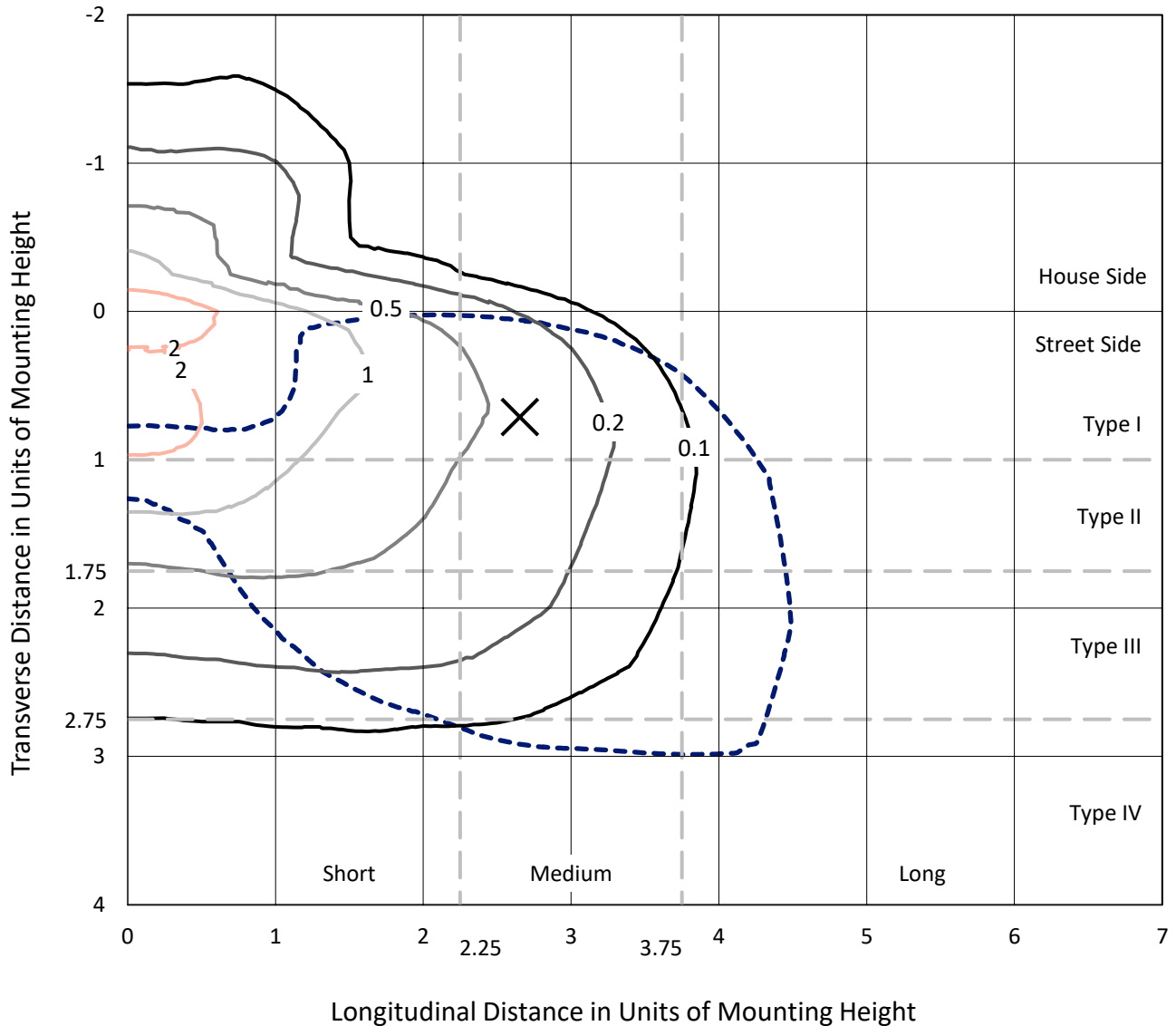
Lumens per Lamp: N/A
Luminaire Lumens: 3462.1 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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: P672244
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

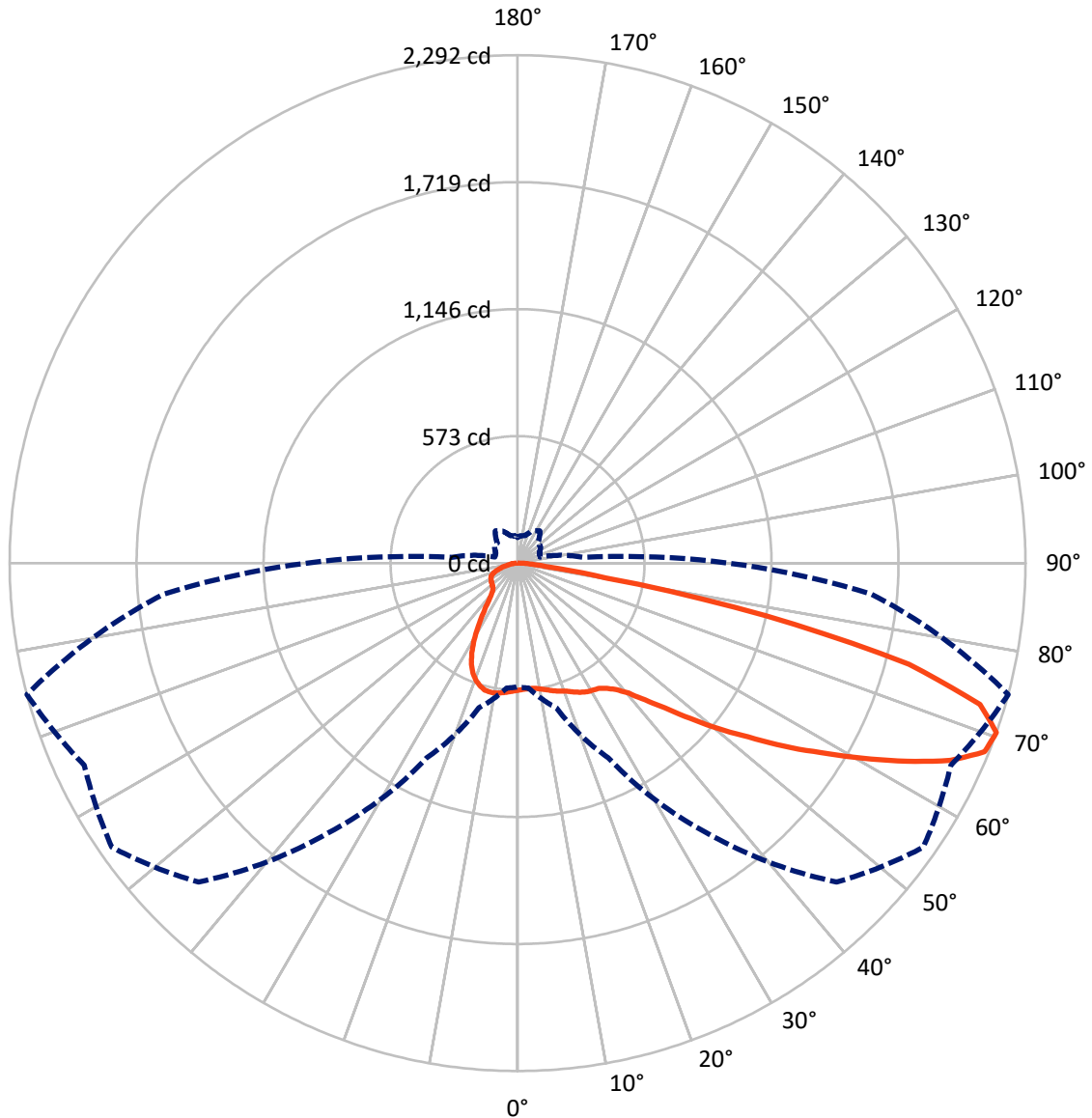
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P672244
CATALOG NUMBER: CCP-SA-1B-735-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P672244

CATALOG NUMBER: CCP-SA-1B-735-U-T3R

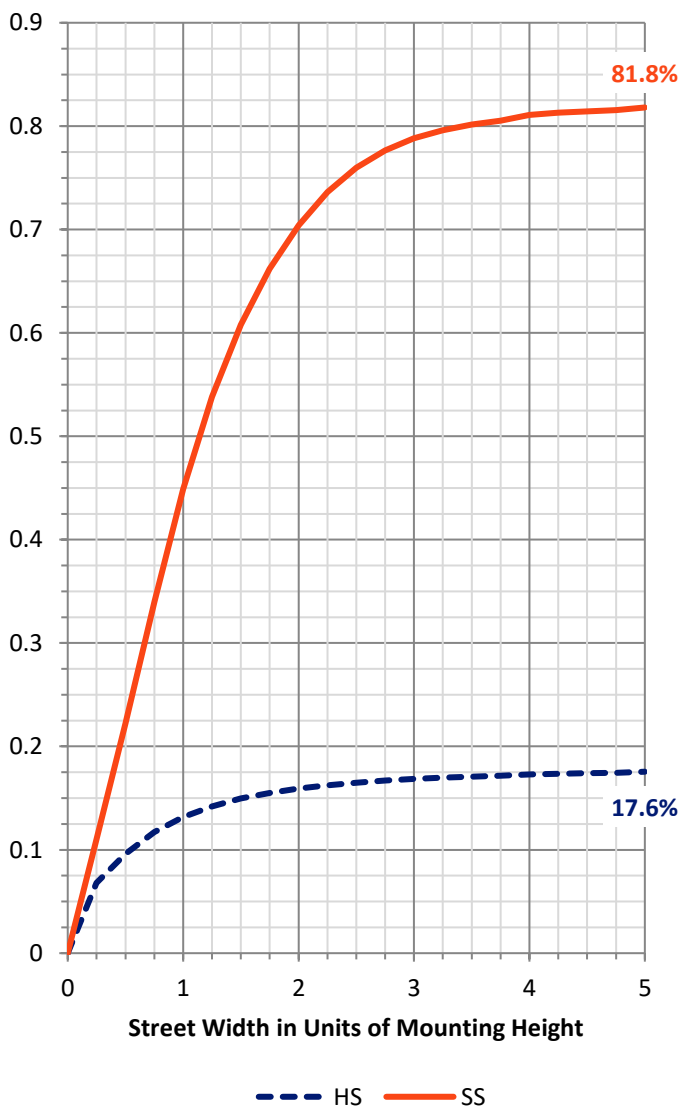
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.9	0.0	615.9
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2846.1	0.0	2846.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	3462.1	0.0	3462.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.5
10°-20°	137.5	4.0
20°-30°	231.6	6.7
30°-40°	351.8	10.2
40°-50°	504.0	14.6
50°-60°	668.2	19.3
60°-70°	836.3	24.2
70°-80°	610.7	17.6
80°-90°	70.4	2.0
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°	3462.1	100.0
0°-180°	3462.1	100.0



REPORT NUMBER: P672244

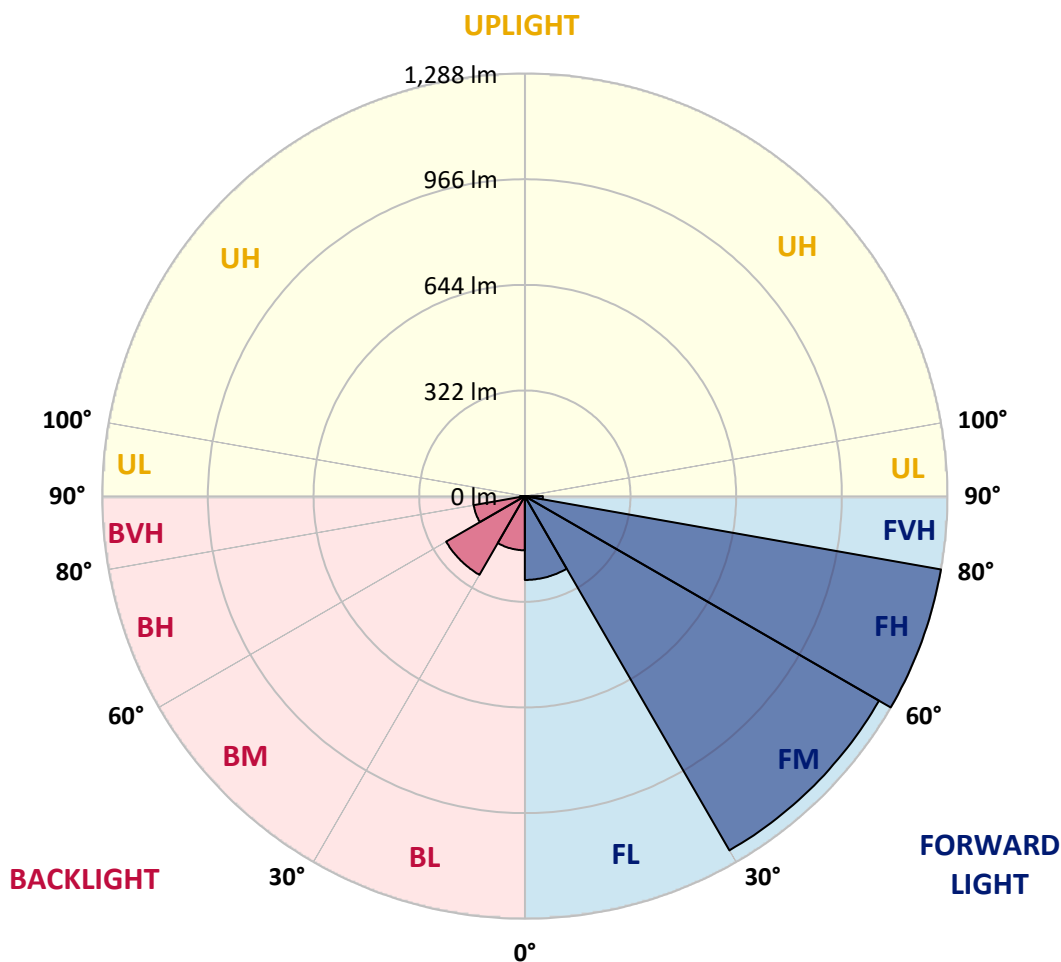
CATALOG NUMBER: CCP-SA-1B-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.5	7.4			
FM (30°-60°)	1247.2	36.0			
FH (60°-80°)	1288.5	37.2			G1/1800
FVH (80°-90°)	54.9	1.6			G1/100
BL (0°-30°)	165.1	4.8	B1/500		
BM (30°-60°)	276.9	8.0	B1/1000		
BH (60°-80°)	158.4	4.6	B1/500		G1/500
BVH (80°-90°)	15.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





REPORT NUMBER: P672244
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	542.1	545.1	547.8	550.6	552.8	558.8	560.0	566.5	568.2	569.7	571.7
5°	511.7	513.9	516.7	521.2	525.9	536.6	544.1	558.3	566.2	568.7	575.7
7.5°	495.3	496.0	499.7	503.5	509.0	519.4	529.6	551.8	567.7	570.5	585.4
10°	483.3	484.3	487.8	493.0	498.5	508.2	520.9	547.3	573.2	577.5	598.6
12.5°	479.1	478.6	482.5	486.0	493.8	506.0	519.2	547.6	580.7	586.7	617.8
15°	496.0	492.8	495.3	494.0	496.5	508.5	524.1	553.0	589.9	597.4	637.7
17.5°	533.4	530.6	528.9	518.2	511.2	517.9	532.9	560.8	599.6	607.6	655.7
20°	589.2	581.4	575.0	557.0	537.6	535.4	545.8	568.5	608.8	616.6	674.6
22.5°	652.7	646.5	636.0	604.6	574.5	559.5	562.3	582.7	622.3	630.8	696.3
25°	732.9	732.7	711.2	668.9	623.3	593.2	587.4	605.4	637.5	645.7	714.2
27.5°	824.3	818.1	792.7	738.1	680.8	634.8	621.3	628.5	649.7	658.2	728.7
30°	902.6	903.3	877.4	817.9	742.1	675.4	650.0	645.2	657.7	666.1	742.1
32.5°	986.3	982.0	958.4	897.1	808.4	719.0	668.4	657.2	665.9	673.9	760.8
35°	1065.0	1060.3	1039.8	973.8	881.4	767.0	693.3	675.9	685.3	694.0	783.7
37.5°	1140.0	1140.7	1117.6	1054.5	952.1	823.8	730.2	704.0	714.2	723.9	818.6
40°	1205.5	1201.8	1183.8	1127.0	1025.6	881.6	771.8	742.4	762.3	771.3	862.7
42.5°	1226.4	1226.2	1233.1	1198.3	1102.9	950.4	823.6	802.2	830.3	843.8	916.8
45°	1208.2	1213.7	1254.1	1253.1	1180.1	1029.4	894.3	874.9	915.5	930.7	982.8
47.5°	1190.3	1198.5	1253.3	1284.5	1249.3	1116.3	981.3	966.8	1025.1	1047.1	1051.3
50°	1164.1	1171.9	1237.1	1288.9	1291.7	1204.2	1093.9	1075.7	1150.7	1173.1	1125.8
52.5°	1135.0	1141.0	1208.5	1285.7	1311.9	1273.0	1204.2	1199.0	1285.2	1303.4	1201.5
55°	974.1	999.5	1166.4	1278.7	1325.8	1325.6	1311.6	1328.8	1431.9	1459.1	1286.0
57.5°	881.6	895.1	1047.8	1274.7	1352.0	1374.1	1422.5	1459.3	1588.6	1613.1	1379.1
60°	851.5	863.5	988.3	1270.0	1404.0	1450.1	1530.8	1590.6	1757.0	1786.9	1483.3
62.5°	824.1	838.5	964.1	1232.4	1467.1	1570.5	1660.1	1732.6	1934.7	1970.0	1586.9
65°	768.3	778.5	919.8	1200.8	1526.9	1742.1	1846.7	1889.1	2106.8	2146.7	1655.7
67.5°	671.9	681.6	819.9	1128.0	1565.7	1920.7	2050.8	2051.0	2239.8	2272.5	1670.1
70°	558.5	566.0	675.9	969.6	1484.8	2035.3	2234.9	2156.9	2277.5	2291.7	1601.3
72.5°	399.3	405.8	495.0	716.7	1217.4	1942.4	2276.7	2152.4	2186.3	2181.8	1405.8
75°	246.1	258.6	303.2	437.5	756.6	1528.4	2049.0	1950.4	1835.8	1823.3	1058.5
77.5°	160.4	166.9	205.0	258.1	333.8	877.4	1556.3	1462.3	1159.2	1144.7	569.0
80°	96.4	107.1	134.3	162.2	151.2	335.6	888.6	726.4	409.6	405.1	174.9
82.5°	51.8	61.5	94.7	100.4	84.9	118.6	321.9	236.2	131.0	129.5	65.5
85°	41.1	45.8	68.0	63.5	48.1	60.0	125.6	98.4	67.3	65.8	24.7
87.5°	24.9	31.4	51.6	42.8	23.9	21.7	57.5	46.6	31.6	29.4	9.7
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: P672244
 CATALOG NUMBER: CCP-SA-1B-735-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	575.5	576.7	578.0	575.5	576.5	575.2	575.2	575.2	572.0	571.0	574.0
5°	580.9	582.7	583.7	576.0	571.2	564.3	558.5	549.8	544.8	541.6	541.6
7.5°	592.2	594.2	589.7	572.5	555.8	537.1	517.9	502.0	490.5	485.5	487.0
10°	608.6	609.3	594.4	562.8	527.1	492.5	465.4	444.2	430.0	422.8	421.8
12.5°	627.8	624.5	595.4	541.3	488.5	441.9	408.8	381.4	363.2	356.2	352.8
15°	646.7	639.0	591.7	515.7	444.7	388.6	346.3	320.4	309.2	305.9	304.7
17.5°	663.7	649.2	579.2	478.8	393.9	326.3	295.2	286.0	287.2	290.2	291.5
20°	679.1	656.9	561.3	435.0	330.3	277.8	270.0	278.5	285.5	290.0	290.7
22.5°	696.0	664.4	536.4	381.7	278.3	255.3	264.6	274.3	281.3	285.7	286.5
25°	709.0	664.2	501.2	318.4	245.4	249.4	260.3	269.0	274.3	277.5	277.3
27.5°	717.2	658.2	455.1	266.3	232.4	245.1	255.6	261.3	264.3	266.8	266.6
30°	719.7	646.7	397.1	227.9	226.5	241.1	249.1	252.6	254.8	257.3	257.3
32.5°	724.7	629.0	333.1	206.5	222.0	237.2	241.9	244.6	242.9	236.7	235.4
35°	730.2	609.3	272.5	196.6	217.7	234.4	238.9	231.7	212.7	210.3	209.3
37.5°	740.9	591.2	221.2	189.6	216.7	235.9	239.7	210.8	194.8	187.1	185.8
40°	759.1	573.0	186.8	184.6	218.0	242.4	229.7	200.8	174.4	159.7	157.2
42.5°	783.0	550.8	167.4	182.1	221.5	252.9	226.2	186.6	157.7	147.7	146.2
45°	810.6	521.4	158.2	181.6	225.7	258.1	227.2	175.1	150.2	142.5	142.0
47.5°	839.3	492.5	154.2	181.1	230.9	255.8	213.5	171.6	147.2	145.0	146.5
50°	870.2	459.6	151.0	179.9	235.2	255.8	206.0	170.9	148.2	153.2	158.2
52.5°	899.1	432.0	147.2	176.1	236.9	251.4	203.8	173.6	149.7	148.5	150.0
55°	934.2	417.8	145.2	170.9	233.7	237.7	201.0	181.1	151.0	140.8	140.8
57.5°	974.3	414.8	142.2	163.9	223.2	218.7	200.8	185.6	147.7	138.3	136.5
60°	1022.6	421.3	138.5	155.2	210.5	204.0	199.0	185.6	142.5	134.0	134.8
62.5°	1061.7	420.5	136.3	147.5	193.6	188.8	195.8	183.1	140.5	133.5	133.3
65°	1071.0	404.6	129.8	137.5	172.6	170.4	192.3	176.9	137.8	130.8	128.8
67.5°	1039.8	368.4	120.1	124.3	150.5	150.7	186.1	168.7	134.0	129.3	126.1
70°	951.4	297.9	105.6	108.4	126.6	129.8	176.9	158.9	127.8	122.8	115.1
72.5°	796.2	214.2	88.9	89.7	100.6	109.1	160.9	145.7	118.6	106.9	98.7
75°	589.4	142.2	72.5	71.5	75.5	88.7	137.5	131.0	106.6	88.7	84.5
77.5°	311.6	84.2	55.8	56.1	53.6	68.0	109.1	113.8	94.7	74.7	70.5
80°	106.6	50.6	40.1	41.9	37.9	48.6	81.0	94.7	81.0	62.3	55.1
82.5°	48.8	30.9	28.6	29.9	27.2	32.9	55.6	71.7	64.5	45.3	36.6
85°	24.7	18.4	18.4	20.2	17.9	16.9	30.6	47.6	47.3	31.1	26.9
87.5°	10.2	9.0	8.5	9.7	8.5	6.5	8.7	17.2	24.9	18.7	12.0
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)