

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: P672321

Luminaire Tested: **CCP-SA-1B-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672321
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

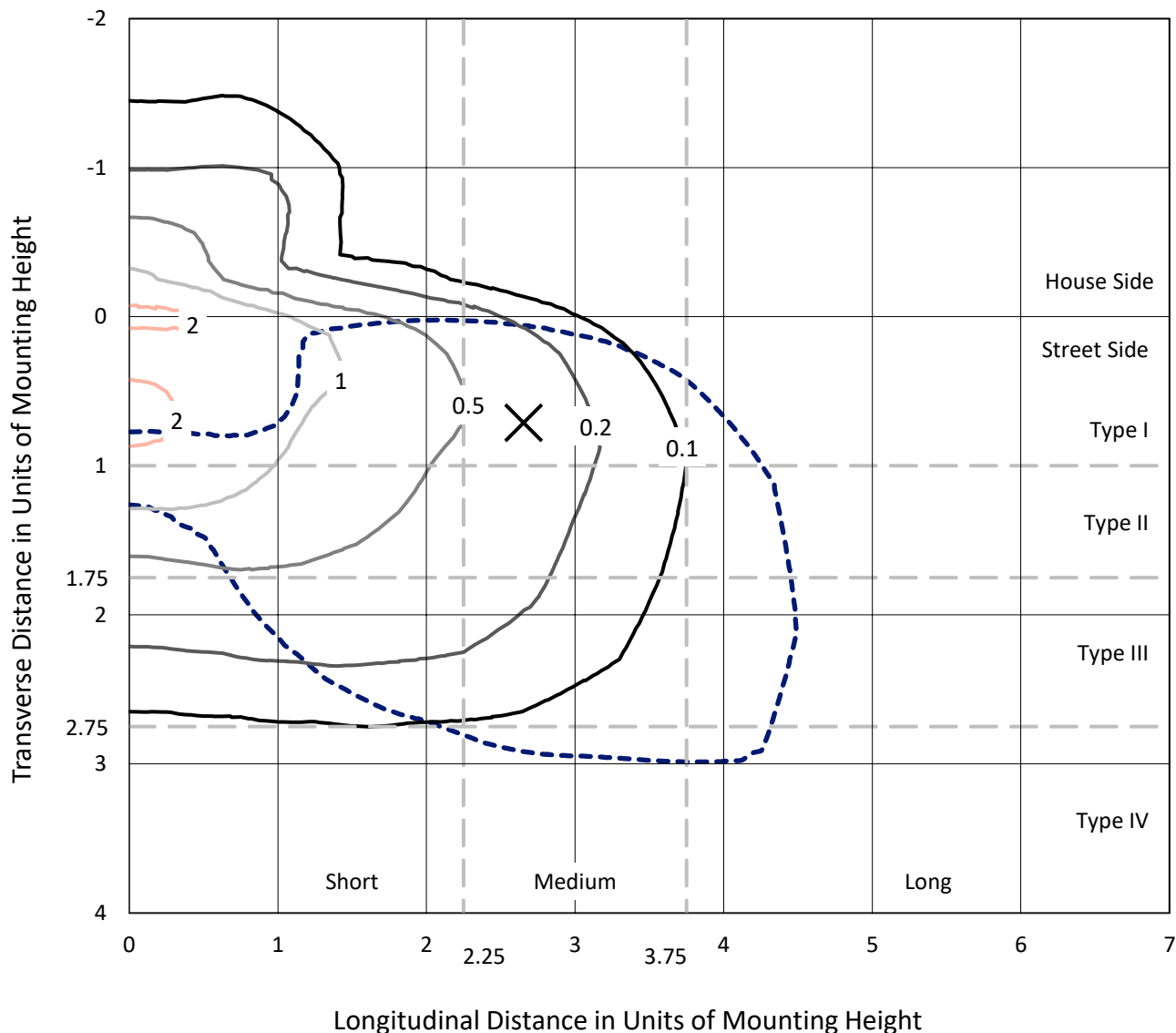
Lumens per Lamp: N/A
Luminaire Lumens: 2992.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

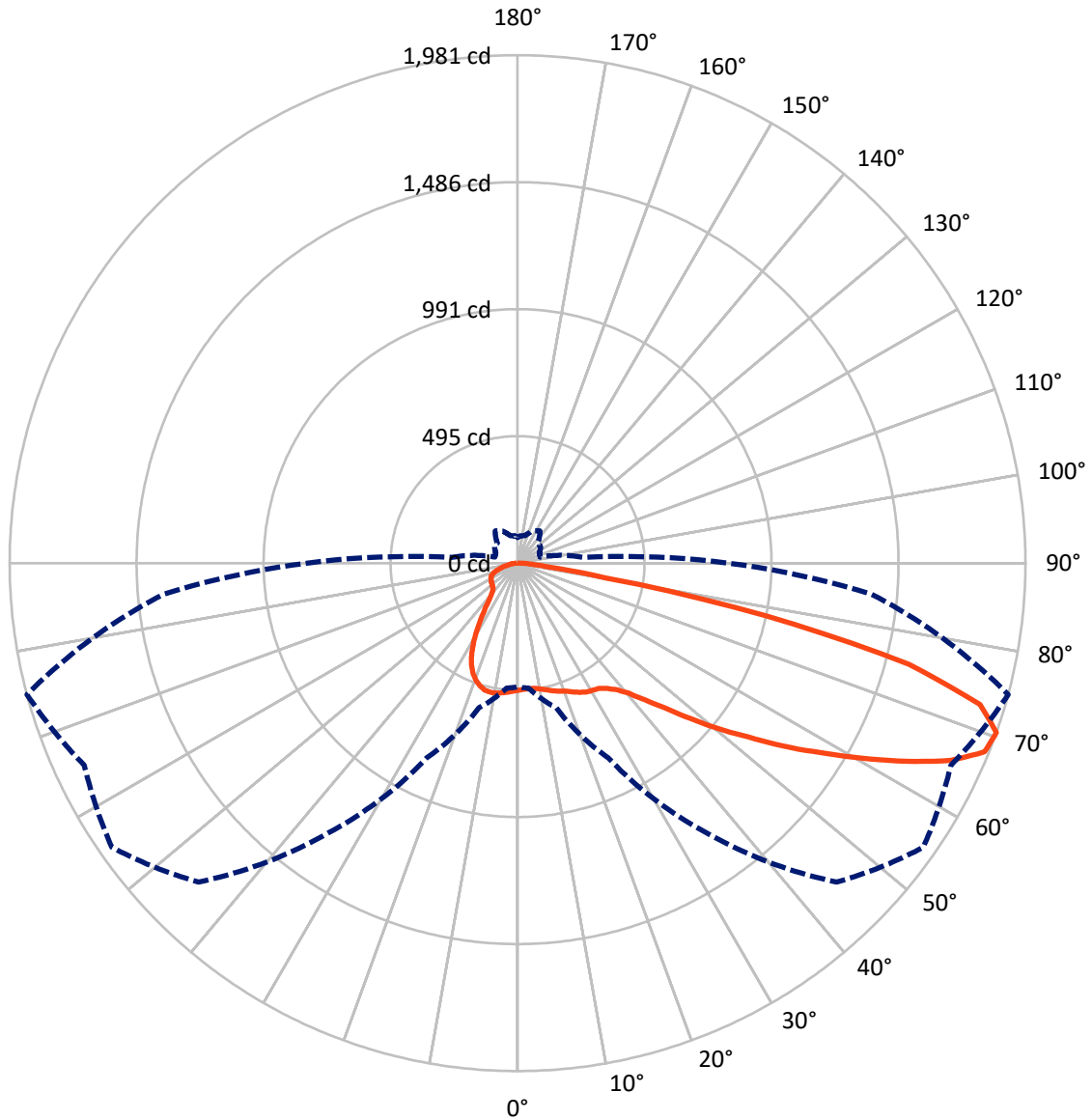
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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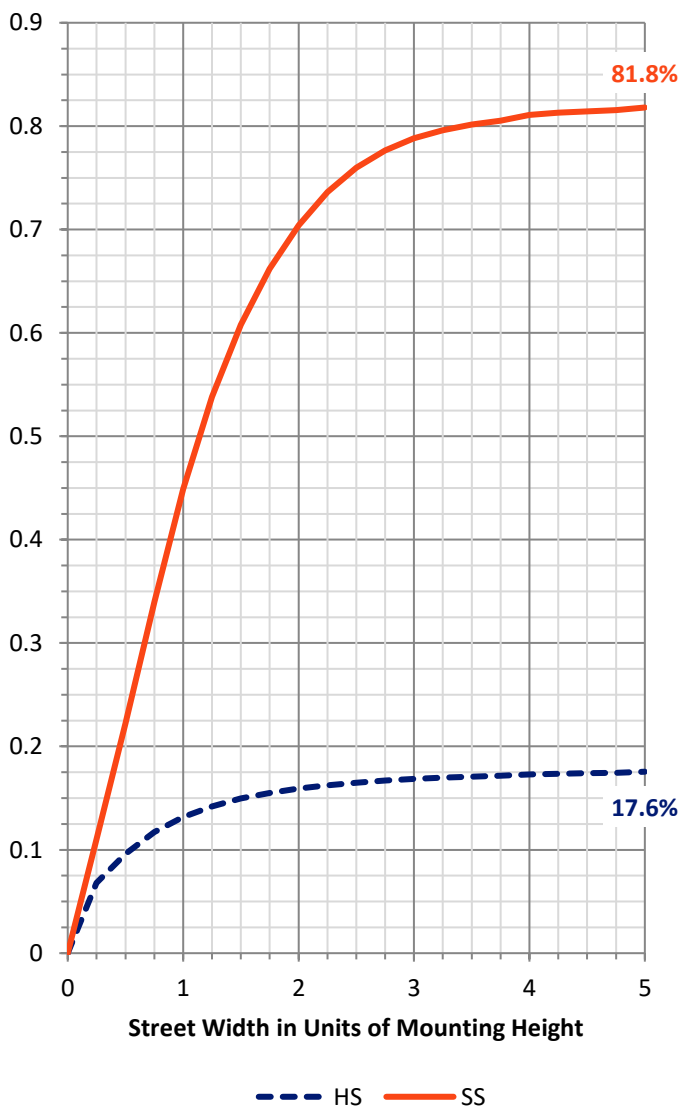
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.4	0.0	532.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2460.3	0.0	2460.3
	% Fixture	82.2	0.0	82.2
Total	Lumens	2992.8	0.0	2992.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.5
10°-20°	118.8	4.0
20°-30°	200.2	6.7
30°-40°	304.1	10.2
40°-50°	435.7	14.6
50°-60°	577.7	19.3
60°-70°	722.9	24.2
70°-80°	527.9	17.6
80°-90°	60.9	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°	2992.8	100.0
0°-180°	2992.8	100.0



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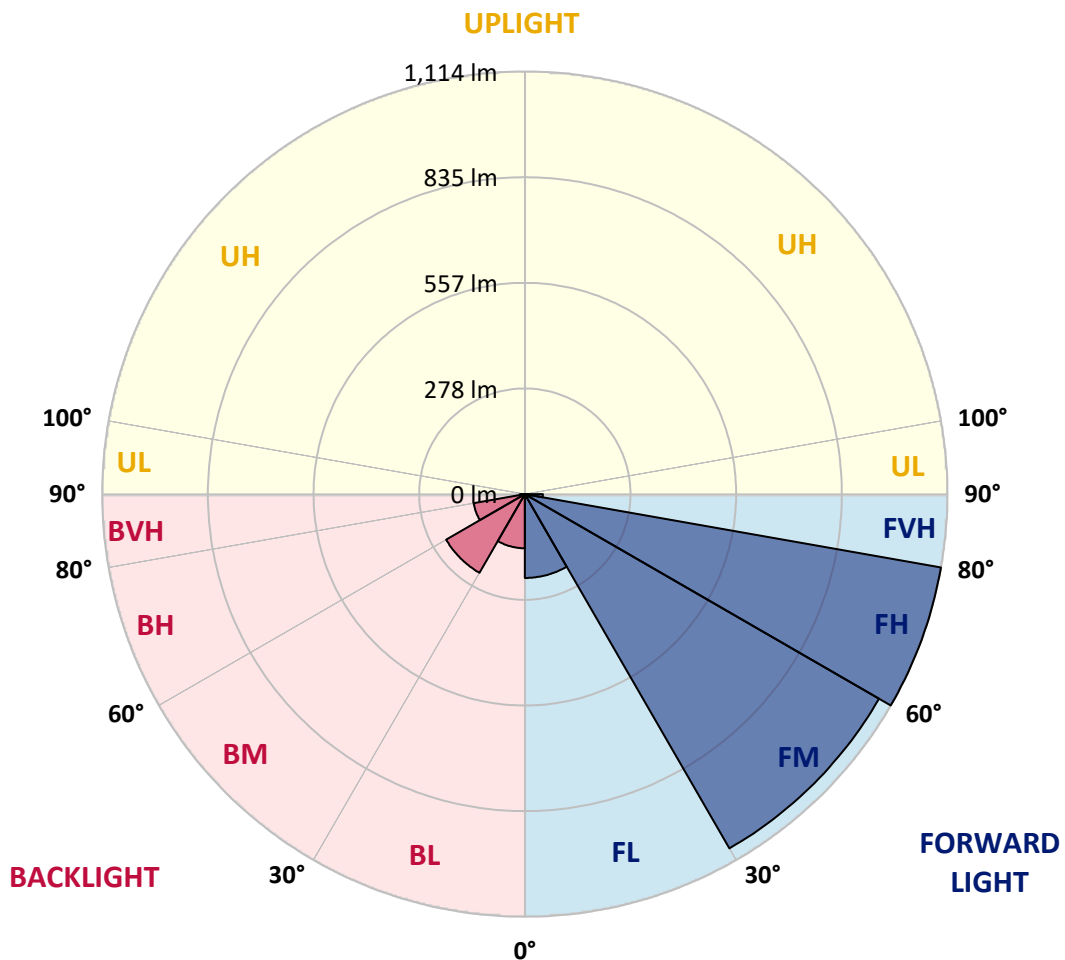
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.9	7.4			
FM (30°-60°)	1078.1	36.0			
FH (60°-80°)	1113.8	37.2			G1/1800
FVH (80°-90°)	47.5	1.6			G1/100
BL (0°-30°)	142.7	4.8	B1/500		
BM (30°-60°)	239.4	8.0	B1/1000		
BH (60°-80°)	137.0	4.6	B1/500		G1/500
BVH (80°-90°)	13.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	468.6	471.2	473.6	475.9	477.9	483.0	484.1	489.7	491.2	492.5	494.2
5°	442.3	444.3	446.6	450.5	454.6	463.9	470.3	482.6	489.5	491.6	497.7
7.5°	428.1	428.8	432.0	435.2	440.0	449.0	457.8	477.0	490.8	493.2	506.1
10°	417.8	418.6	421.7	426.2	430.9	439.3	450.3	473.1	495.5	499.2	517.5
12.5°	414.1	413.7	417.1	420.1	426.8	437.4	448.8	473.3	502.0	507.1	534.1
15°	428.8	426.0	428.1	427.0	429.2	439.5	453.1	478.1	509.9	516.4	551.3
17.5°	461.1	458.7	457.2	447.9	441.9	447.7	460.6	484.8	518.3	525.2	566.8
20°	509.3	502.6	497.0	481.5	464.7	462.8	471.8	491.4	526.3	533.0	583.2
22.5°	564.2	558.8	549.8	522.7	496.6	483.7	486.0	503.7	537.9	545.3	601.9
25°	633.6	633.3	614.8	578.2	538.8	512.7	507.8	523.3	551.1	558.2	617.4
27.5°	712.6	707.2	685.2	638.1	588.6	548.7	537.1	543.3	561.6	569.0	629.9
30°	780.2	780.9	758.5	707.0	641.5	583.8	561.8	557.8	568.5	575.8	641.5
32.5°	852.6	848.9	828.5	775.5	698.8	621.5	577.8	568.1	575.6	582.5	657.7
35°	920.6	916.5	898.9	841.8	761.9	663.1	599.3	584.2	592.4	600.0	677.5
37.5°	985.4	986.1	966.1	911.6	823.1	712.2	631.2	608.6	617.4	625.8	707.6
40°	1042.1	1038.8	1023.3	974.2	886.6	762.1	667.2	641.7	659.0	666.7	745.8
42.5°	1060.2	1060.0	1066.0	1035.8	953.4	821.6	711.9	693.4	717.8	729.4	792.5
45°	1044.4	1049.2	1084.1	1083.2	1020.1	889.8	773.1	756.3	791.4	804.5	849.6
47.5°	1028.9	1036.0	1083.4	1110.3	1080.0	965.0	848.3	835.8	886.2	905.1	908.8
50°	1006.3	1013.0	1069.4	1114.2	1116.6	1041.0	945.6	929.9	994.7	1014.1	973.2
52.5°	981.1	986.3	1044.7	1111.4	1134.0	1100.4	1041.0	1036.5	1111.0	1126.7	1038.6
55°	842.0	864.0	1008.3	1105.4	1146.1	1145.9	1133.8	1148.7	1237.8	1261.3	1111.6
57.5°	762.1	773.8	905.8	1101.9	1168.7	1187.9	1229.6	1261.5	1373.3	1394.4	1192.2
60°	736.1	746.4	854.3	1097.9	1213.7	1253.6	1323.3	1375.0	1518.9	1544.7	1282.2
62.5°	712.4	724.9	833.4	1065.3	1268.2	1357.6	1435.1	1497.8	1672.4	1703.0	1371.8
65°	664.1	673.0	795.1	1038.0	1319.9	1505.9	1596.4	1633.0	1821.2	1855.7	1431.2
67.5°	580.8	589.2	708.7	975.1	1353.5	1660.3	1772.8	1773.0	1936.2	1964.4	1443.7
70°	482.8	489.3	584.2	838.1	1283.5	1759.4	1931.9	1864.5	1968.7	1981.0	1384.3
72.5°	345.2	350.8	427.9	619.6	1052.4	1679.1	1968.1	1860.6	1889.9	1886.0	1215.2
75°	212.8	223.5	262.1	378.2	654.0	1321.2	1771.3	1686.0	1586.9	1576.1	915.0
77.5°	138.7	144.3	177.2	223.1	288.6	758.5	1345.3	1264.1	1002.0	989.5	491.9
80°	83.3	92.6	116.1	140.2	130.7	290.1	768.2	628.0	354.0	350.2	151.2
82.5°	44.8	53.2	81.8	86.8	73.4	102.5	278.2	204.2	113.3	112.0	56.6
85°	35.5	39.6	58.8	54.9	41.6	51.9	108.5	85.1	58.1	56.9	21.3
87.5°	21.5	27.1	44.6	37.0	20.7	18.7	49.7	40.3	27.3	25.4	8.4
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°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	497.5	498.5	499.6	497.5	498.3	497.2	497.2	497.2	494.4	493.6	496.2
5°	502.2	503.7	504.6	497.9	493.8	487.8	482.8	475.3	471.0	468.2	468.2
7.5°	511.9	513.6	509.7	494.9	480.4	464.3	447.7	433.9	424.0	419.7	421.0
10°	526.1	526.7	513.8	486.5	455.7	425.7	402.3	384.0	371.7	365.4	364.6
12.5°	542.7	539.9	514.7	468.0	422.3	382.0	353.4	329.7	314.0	308.0	304.9
15°	559.0	552.4	511.5	445.8	384.4	335.9	299.3	276.9	267.2	264.4	263.4
17.5°	573.7	561.2	500.7	413.9	340.5	282.1	255.2	247.2	248.3	250.9	252.0
20°	587.0	567.9	485.2	376.0	285.6	240.1	233.4	240.8	246.8	250.7	251.3
22.5°	601.7	574.3	463.6	329.9	240.5	220.7	228.7	237.1	243.1	247.0	247.7
25°	612.9	574.1	433.3	275.2	212.1	215.6	225.0	232.6	237.1	239.9	239.7
27.5°	620.0	569.0	393.4	230.2	200.9	211.9	220.9	225.9	228.5	230.6	230.4
30°	622.1	559.0	343.3	197.0	195.8	208.5	215.4	218.4	220.3	222.5	222.5
32.5°	626.5	543.8	287.9	178.5	191.9	205.0	209.1	211.5	210.0	204.6	203.5
35°	631.2	526.7	235.6	169.9	188.2	202.6	206.5	200.3	183.9	181.8	180.9
37.5°	640.5	511.0	191.2	163.9	187.4	203.9	207.2	182.2	168.4	161.7	160.7
40°	656.2	495.3	161.5	159.6	188.4	209.5	198.6	173.6	150.7	138.0	135.9
42.5°	676.8	476.1	144.7	157.4	191.4	218.6	195.5	161.3	136.3	127.7	126.4
45°	700.7	450.7	136.7	157.0	195.1	223.1	196.4	151.4	129.9	123.2	122.7
47.5°	725.5	425.7	133.3	156.6	199.6	221.2	184.6	148.4	127.3	125.3	126.6
50°	752.2	397.3	130.5	155.5	203.3	221.2	178.1	147.7	128.1	132.4	136.7
52.5°	777.2	373.4	127.3	152.3	204.8	217.3	176.2	150.1	129.4	128.3	129.6
55°	807.6	361.1	125.5	147.7	202.0	205.4	173.8	156.6	130.5	121.7	121.7
57.5°	842.2	358.6	123.0	141.7	193.0	189.1	173.6	160.4	127.7	119.5	118.0
60°	884.0	364.2	119.7	134.2	182.0	176.4	172.1	160.4	123.2	115.9	116.5
62.5°	917.8	363.5	117.8	127.5	167.3	163.2	169.3	158.3	121.5	115.4	115.2
65°	925.8	349.7	112.2	118.9	149.2	147.3	166.3	152.9	119.1	113.1	111.3
67.5°	898.9	318.5	103.8	107.5	130.1	130.3	160.9	145.8	115.9	111.8	109.0
70°	822.4	257.6	91.3	93.7	109.4	112.2	152.9	137.4	110.5	106.2	99.5
72.5°	688.3	185.2	76.9	77.5	87.0	94.3	139.1	126.0	102.5	92.4	85.3
75°	509.5	123.0	62.7	61.8	65.3	76.7	118.9	113.3	92.2	76.7	73.0
77.5°	269.4	72.8	48.2	48.5	46.3	58.8	94.3	98.4	81.8	64.6	60.9
80°	92.2	43.7	34.7	36.2	32.7	42.0	70.0	81.8	70.0	53.8	47.6
82.5°	42.2	26.7	24.8	25.8	23.5	28.4	48.0	62.0	55.8	39.2	31.7
85°	21.3	15.9	15.9	17.4	15.5	14.6	26.5	41.1	40.9	26.9	23.3
87.5°	8.8	7.8	7.3	8.4	7.3	5.6	7.5	14.9	21.5	16.2	10.3
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)