

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: P672277

Luminaire Tested: **CCP-SA-1B-760-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672277
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-760-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

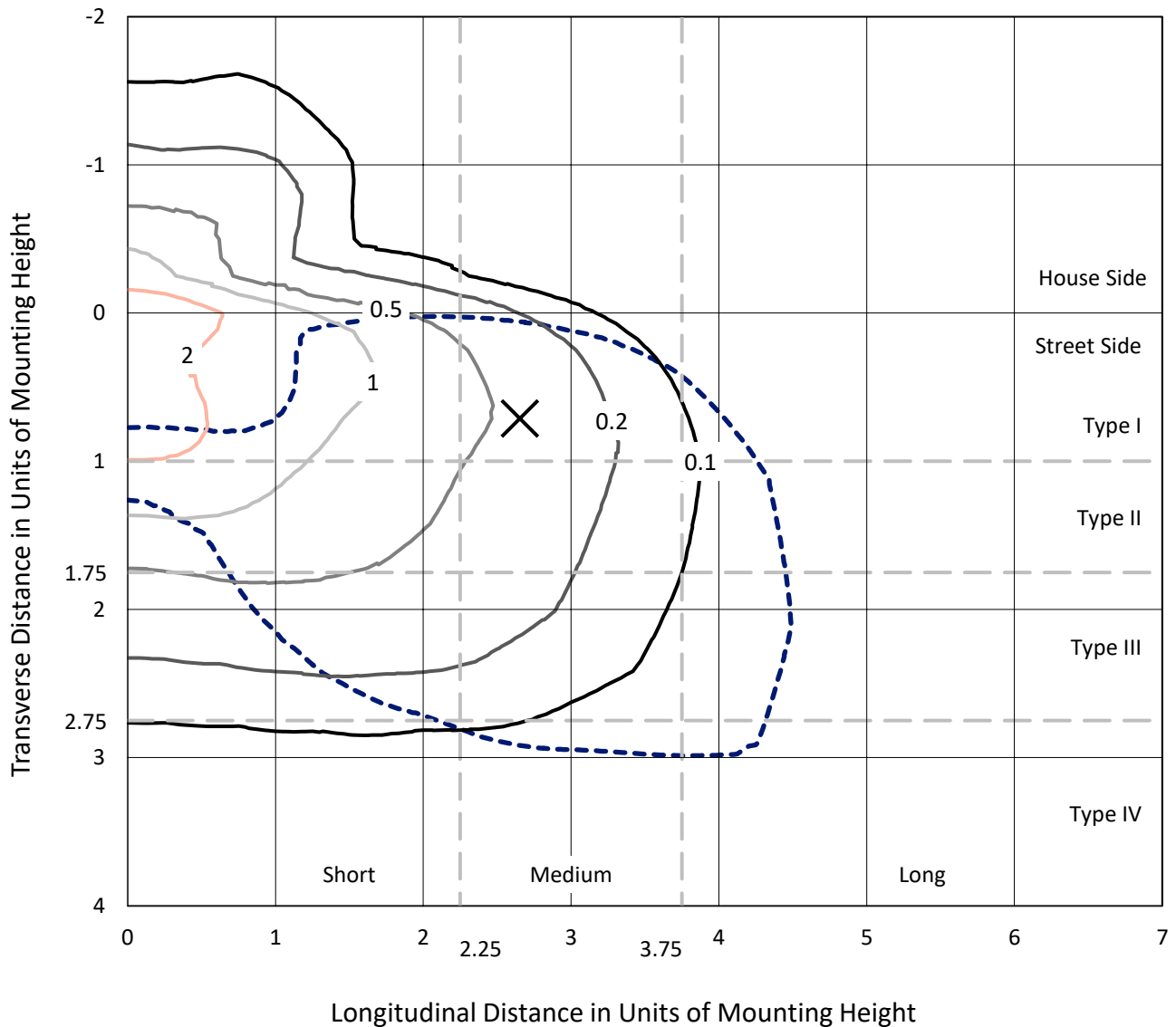
Lumens per Lamp: N/A
Luminaire Lumens: 3590.5 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): 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

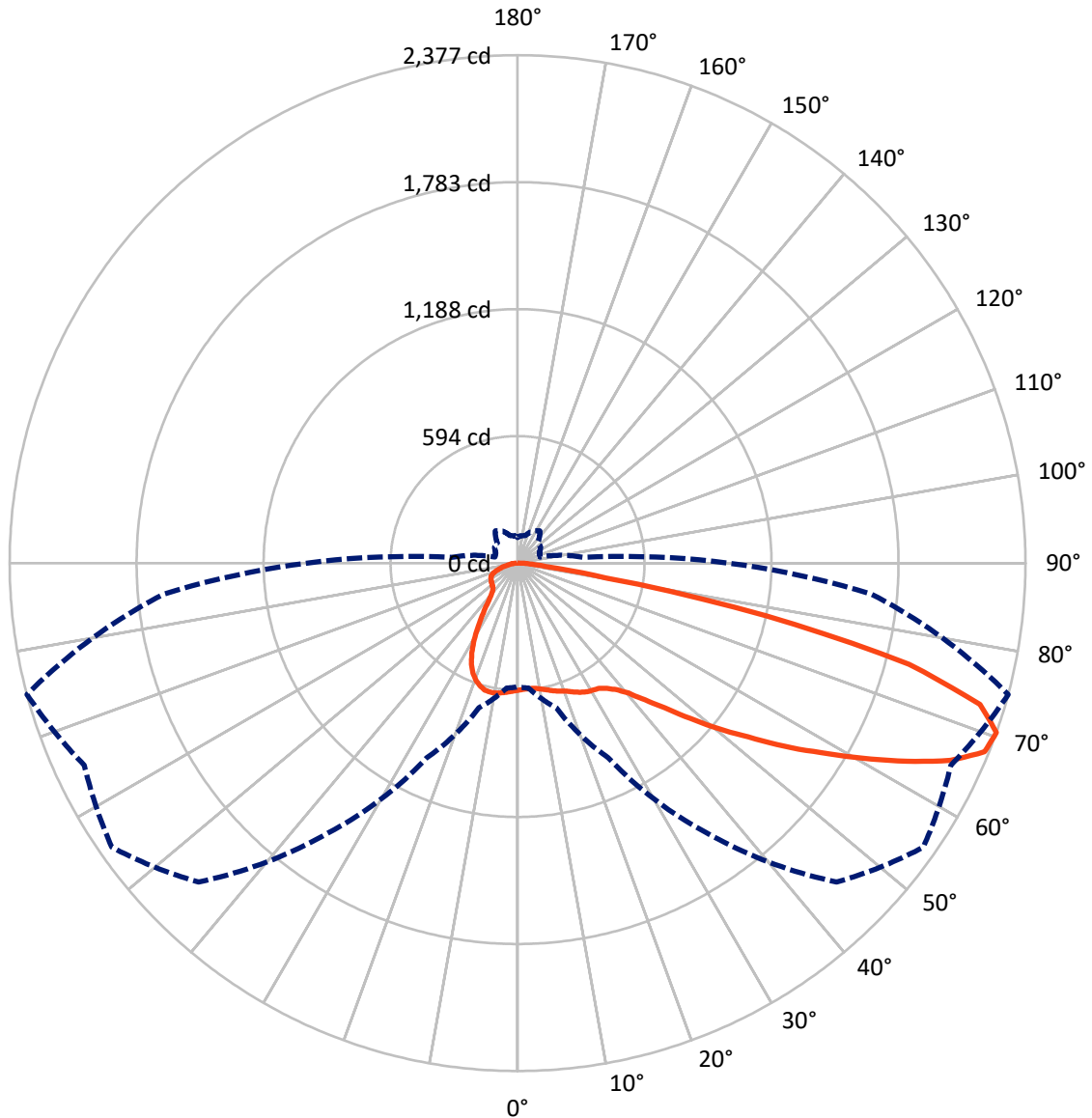
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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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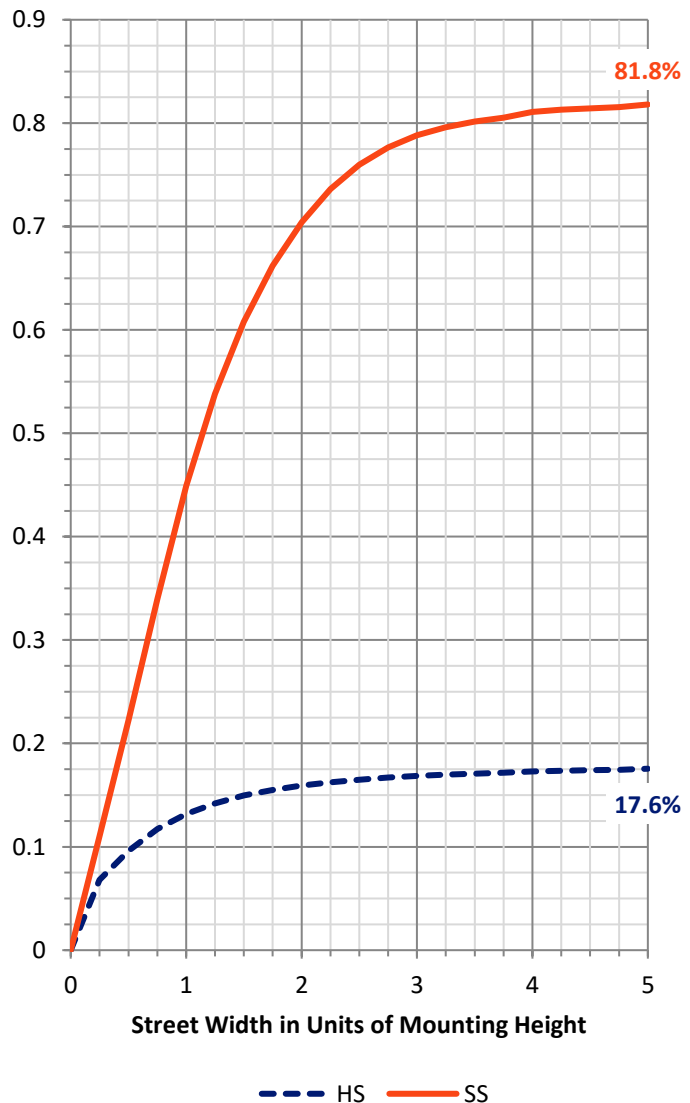
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.8	0.0	638.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2951.7	0.0	2951.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	3590.5	0.0	3590.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.5
10°-20°	142.6	4.0
20°-30°	240.2	6.7
30°-40°	364.9	10.2
40°-50°	522.7	14.6
50°-60°	693.0	19.3
60°-70°	867.3	24.2
70°-80°	633.3	17.6
80°-90°	73.0	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°	3590.5	100.0
0°-180°	3590.5	100.0



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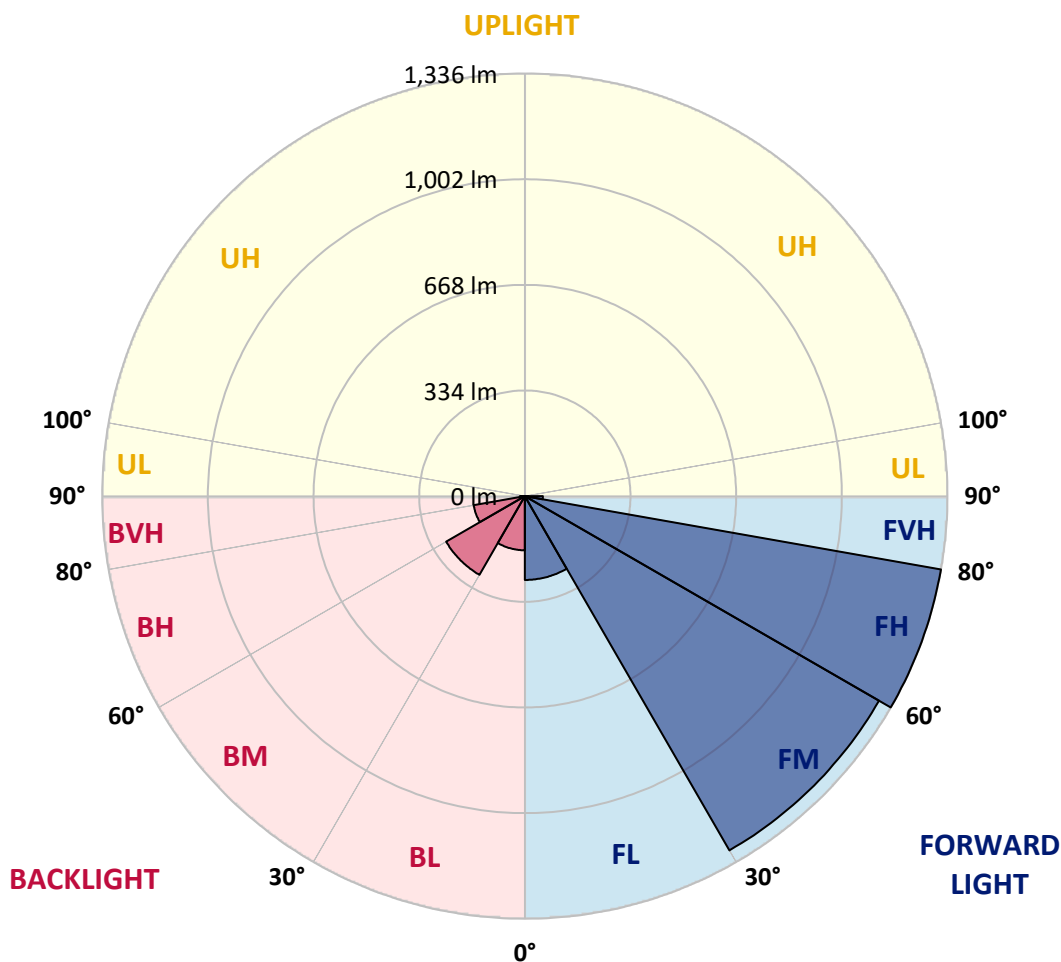
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.0	7.4			
FM (30°-60°)	1293.4	36.0			
FH (60°-80°)	1336.3	37.2			G1/1800
FVH (80°-90°)	57.0	1.6			G1/100
BL (0°-30°)	171.2	4.8	B1/500		
BM (30°-60°)	287.2	8.0	B1/1000		
BH (60°-80°)	164.3	4.6	B1/500		G1/500
BVH (80°-90°)	16.0	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°	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8
2.5°	562.2	565.3	568.1	571.0	573.3	579.5	580.8	587.5	589.3	590.9	592.9
5°	530.7	533.0	535.8	540.5	545.4	556.5	564.3	579.0	587.3	589.8	597.1
7.5°	513.6	514.4	518.3	522.2	527.8	538.7	549.3	572.3	588.8	591.7	607.2
10°	501.2	502.3	505.9	511.3	517.0	527.1	540.2	567.6	594.5	598.9	620.8
12.5°	496.8	496.3	500.5	504.1	512.1	524.7	538.4	567.9	602.2	608.4	640.7
15°	514.4	511.0	513.6	512.3	514.9	527.3	543.6	573.6	611.8	619.6	661.4
17.5°	553.2	550.3	548.5	537.4	530.2	537.1	552.6	581.6	621.9	630.2	680.0
20°	611.0	603.0	596.3	577.7	557.6	555.2	566.1	589.6	631.4	639.5	699.7
22.5°	676.9	670.5	659.6	627.1	595.8	580.3	583.1	604.3	645.4	654.2	722.1
25°	760.1	759.9	737.6	693.7	646.4	615.2	609.2	627.8	661.2	669.7	740.7
27.5°	854.9	848.5	822.1	765.5	706.1	658.3	644.4	651.9	673.8	682.6	755.7
30°	936.1	936.8	910.0	848.2	769.7	700.4	674.1	669.2	682.1	690.9	769.7
32.5°	1022.9	1018.5	993.9	930.4	838.4	745.6	693.2	681.6	690.6	698.9	789.0
35°	1104.5	1099.6	1078.4	1009.9	914.1	795.5	719.0	700.9	710.8	719.8	812.8
37.5°	1182.3	1183.1	1159.0	1093.7	987.5	854.4	757.3	730.1	740.7	750.8	849.0
40°	1250.2	1246.4	1227.7	1168.8	1063.7	914.4	800.4	769.9	790.6	799.9	894.7
42.5°	1271.9	1271.7	1278.9	1242.7	1143.8	985.7	854.2	831.9	861.1	875.1	950.8
45°	1253.1	1258.8	1300.6	1299.6	1223.9	1067.6	927.5	907.4	949.5	965.2	1019.2
47.5°	1234.5	1243.0	1299.8	1332.1	1295.7	1157.7	1017.7	1002.7	1063.2	1085.9	1090.3
50°	1207.3	1215.3	1283.0	1336.8	1339.6	1248.9	1134.5	1115.6	1193.4	1216.6	1167.5
52.5°	1177.1	1183.3	1253.3	1333.4	1360.5	1320.2	1248.9	1243.5	1332.9	1351.8	1246.1
55°	1010.2	1036.6	1209.7	1326.2	1375.0	1374.8	1360.3	1378.1	1485.1	1513.2	1333.7
57.5°	914.4	928.3	1086.7	1322.1	1402.1	1425.1	1475.3	1513.5	1647.6	1672.9	1430.3
60°	883.1	895.5	1024.9	1317.1	1456.1	1503.9	1587.7	1649.7	1822.2	1853.2	1538.3
62.5°	854.7	869.7	999.9	1278.1	1521.5	1628.7	1721.7	1796.9	2006.5	2043.1	1645.8
65°	796.8	807.4	953.9	1245.3	1583.5	1806.7	1915.3	1959.2	2185.0	2226.3	1717.1
67.5°	696.8	706.9	850.3	1169.9	1623.8	1992.0	2126.9	2127.1	2323.0	2356.8	1732.1
70°	579.3	587.0	700.9	1005.6	1539.9	2110.8	2317.8	2236.9	2362.0	2376.7	1660.8
72.5°	414.2	420.9	513.4	743.3	1262.6	2014.5	2361.2	2232.3	2267.4	2262.8	1458.0
75°	255.3	268.2	314.4	453.7	784.7	1585.1	2125.0	2022.7	1903.9	1891.0	1097.8
77.5°	166.4	173.1	212.6	267.7	346.2	910.0	1614.0	1516.6	1202.2	1187.2	590.1
80°	100.0	111.1	139.3	168.2	156.8	348.0	921.6	753.4	424.8	420.1	181.4
82.5°	53.7	63.8	98.2	104.1	88.1	123.0	333.8	244.9	135.9	134.3	67.9
85°	42.6	47.5	70.5	65.9	49.9	62.3	130.2	102.1	69.8	68.2	25.6
87.5°	25.8	32.6	53.5	44.4	24.8	22.5	59.7	48.3	32.8	30.5	10.1
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°	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8
2.5°	596.8	598.1	599.4	596.8	597.9	596.6	596.6	596.6	593.2	592.2	595.3
5°	602.5	604.3	605.3	597.3	592.4	585.2	579.3	570.2	565.0	561.7	561.7
7.5°	614.1	616.2	611.5	593.7	576.4	557.0	537.1	520.6	508.7	503.6	505.1
10°	631.2	632.0	616.5	583.6	546.7	510.8	482.6	460.7	445.9	438.4	437.4
12.5°	651.1	647.7	617.5	561.4	506.7	458.3	424.0	395.6	376.7	369.5	365.8
15°	670.7	662.7	613.6	534.8	461.2	403.0	359.1	332.3	320.6	317.3	316.0
17.5°	688.3	673.3	600.7	496.6	408.5	338.5	306.2	296.6	297.9	301.0	302.3
20°	704.3	681.3	582.1	451.1	342.6	288.1	280.1	288.9	296.1	300.7	301.5
22.5°	721.9	689.1	556.3	395.8	288.6	264.8	274.4	284.5	291.7	296.3	297.1
25°	735.3	688.8	519.8	330.2	254.5	258.6	270.0	279.0	284.5	287.8	287.6
27.5°	743.8	682.6	472.0	276.2	241.1	254.2	265.1	271.0	274.1	276.7	276.5
30°	746.4	670.7	411.8	236.4	234.9	250.1	258.4	262.0	264.3	266.9	266.9
32.5°	751.6	652.4	345.4	214.2	230.2	246.0	250.9	253.7	251.9	245.4	244.2
35°	757.3	632.0	282.7	203.8	225.8	243.1	247.8	240.3	220.6	218.1	217.0
37.5°	768.4	613.1	229.4	196.6	224.8	244.7	248.5	218.6	202.0	194.0	192.7
40°	787.2	594.2	193.8	191.4	226.1	251.4	238.2	208.2	180.9	165.6	163.0
42.5°	812.0	571.2	173.6	188.9	229.7	262.2	234.6	193.5	163.5	153.2	151.7
45°	840.7	540.8	164.1	188.3	234.1	267.7	235.6	181.6	155.8	147.8	147.3
47.5°	870.4	510.8	159.9	187.8	239.5	265.3	221.4	178.0	152.7	150.4	151.9
50°	902.5	476.7	156.6	186.5	243.9	265.3	213.7	177.2	153.7	158.9	164.1
52.5°	932.4	448.0	152.7	182.7	245.7	260.7	211.3	180.1	155.3	154.0	155.5
55°	968.9	433.3	150.6	177.2	242.3	246.5	208.5	187.8	156.6	146.0	146.0
57.5°	1010.5	430.2	147.5	170.0	231.5	226.8	208.2	192.5	153.2	143.4	141.6
60°	1060.6	436.9	143.7	161.0	218.3	211.6	206.4	192.5	147.8	139.0	139.8
62.5°	1101.1	436.1	141.3	153.0	200.7	195.8	203.1	189.9	145.7	138.5	138.2
65°	1110.7	419.6	134.6	142.6	179.0	176.7	199.5	183.4	142.9	135.6	133.6
67.5°	1078.4	382.1	124.5	128.9	156.1	156.3	193.0	174.9	139.0	134.1	130.7
70°	986.7	309.0	109.5	112.4	131.2	134.6	183.4	164.8	132.5	127.4	119.4
72.5°	825.7	222.2	92.2	93.0	104.4	113.2	166.9	151.1	123.0	110.8	102.3
75°	611.3	147.5	75.2	74.2	78.3	92.0	142.6	135.9	110.6	92.0	87.6
77.5°	323.2	87.3	57.9	58.1	55.5	70.5	113.2	118.1	98.2	77.5	73.1
80°	110.6	52.4	41.6	43.4	39.3	50.4	84.0	98.2	84.0	64.6	57.1
82.5°	50.6	32.0	29.7	31.0	28.2	34.1	57.6	74.4	66.9	47.0	38.0
85°	25.6	19.1	19.1	20.9	18.6	17.6	31.8	49.3	49.1	32.3	27.9
87.5°	10.6	9.3	8.8	10.1	8.8	6.7	9.0	17.8	25.8	19.4	12.4
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)