

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: P672233

Luminaire Tested: **CCP-SA-1B-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672233
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

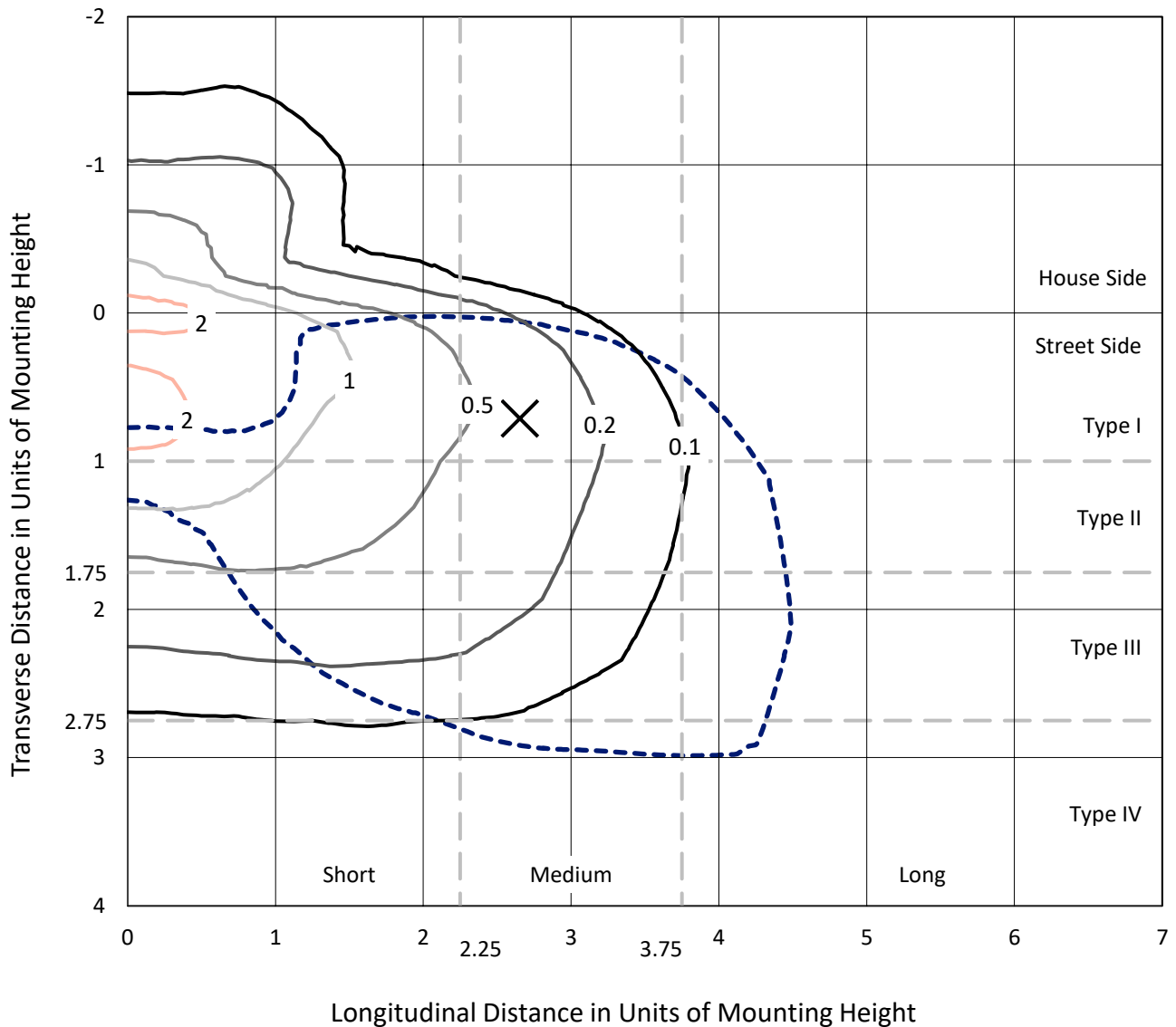
Lumens per Lamp: N/A
Luminaire Lumens: 3196.3 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

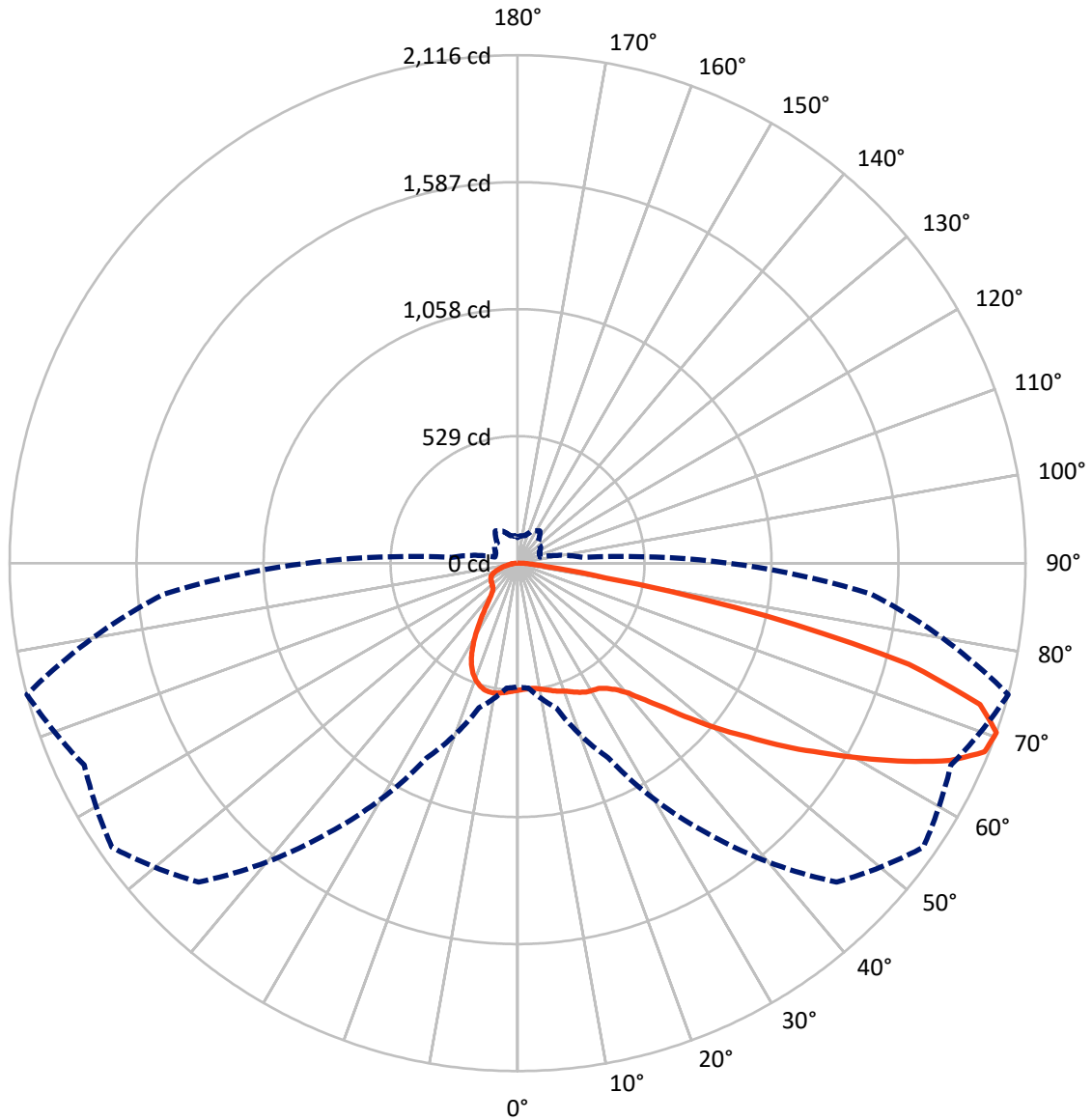
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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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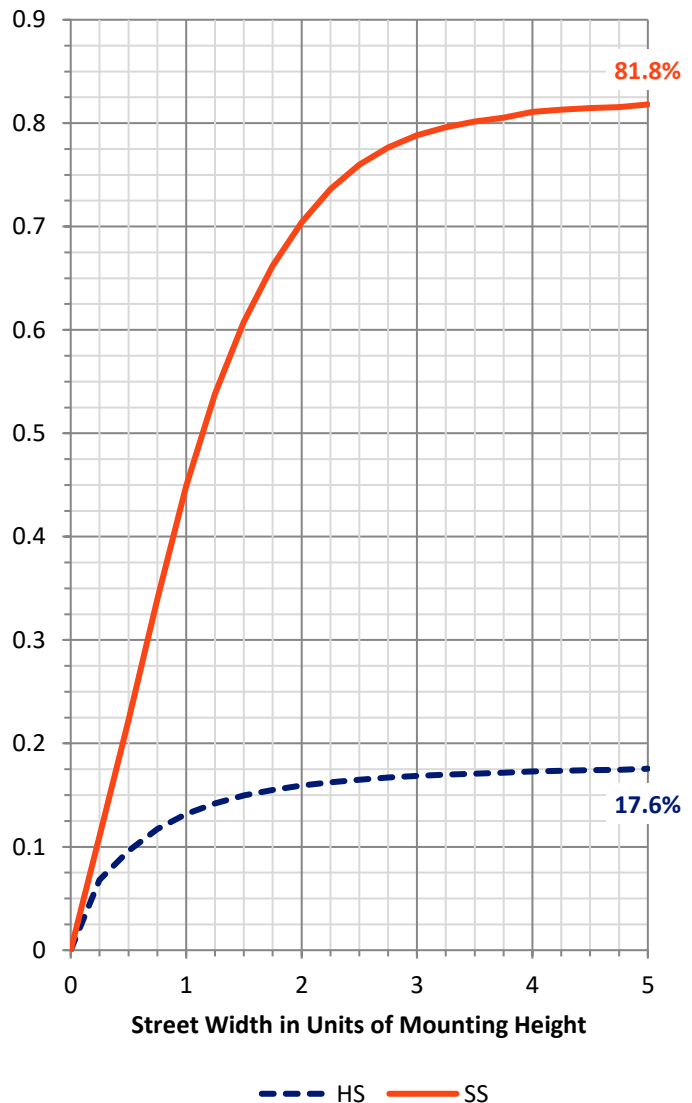
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	568.6	0.0	568.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2627.7	0.0	2627.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	3196.3	0.0	3196.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.5
10°-20°	126.9	4.0
20°-30°	213.9	6.7
30°-40°	324.8	10.2
40°-50°	465.3	14.6
50°-60°	616.9	19.3
60°-70°	772.1	24.2
70°-80°	563.8	17.6
80°-90°	65.0	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°	3196.3	100.0
0°-180°	3196.3	100.0



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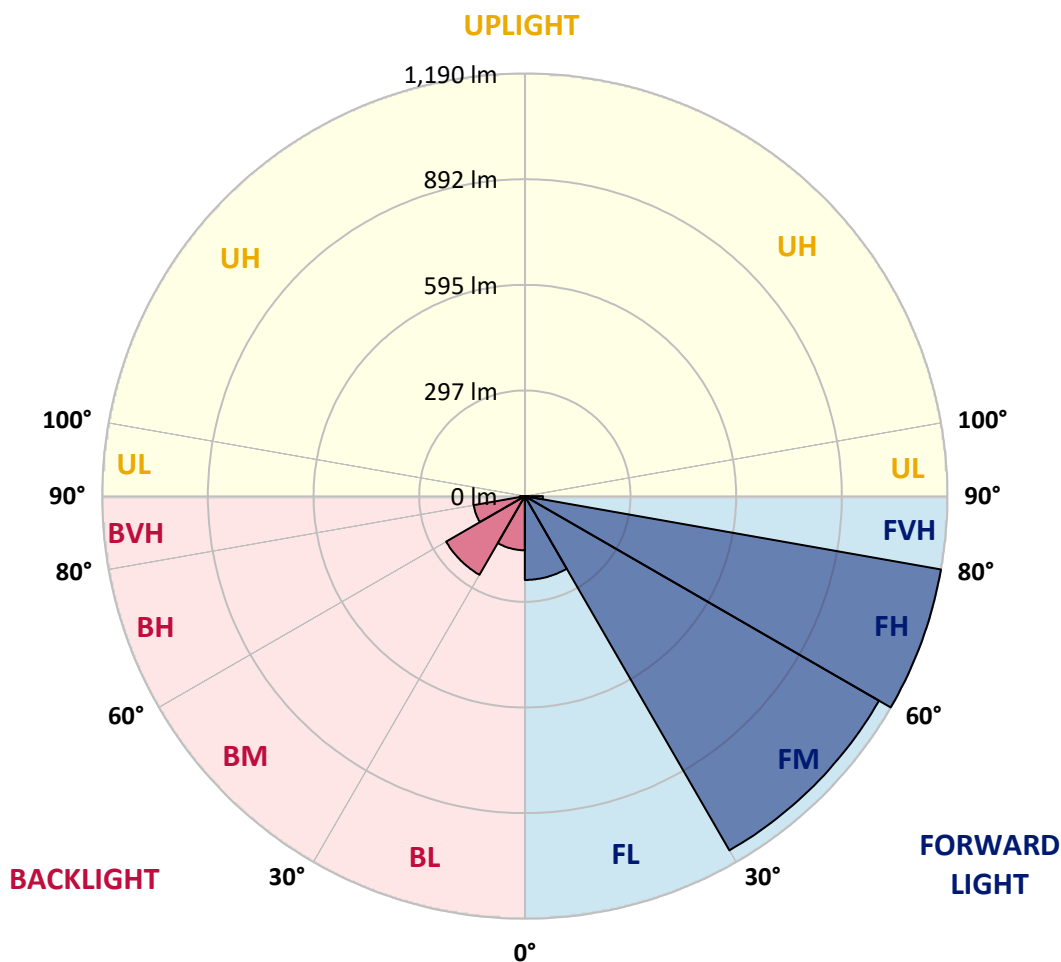
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.9	7.4			
FM (30°-60°)	1151.4	36.0			
FH (60°-80°)	1189.6	37.2			G1/1800
FVH (80°-90°)	50.7	1.6			G1/100
BL (0°-30°)	152.4	4.8	B1/500		
BM (30°-60°)	255.7	8.0	B1/1000		
BH (60°-80°)	146.3	4.6	B1/500		G1/500
BVH (80°-90°)	14.3	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°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	500.5	503.2	505.8	508.3	510.4	515.9	517.0	523.0	524.6	526.0	527.8
5°	472.4	474.5	477.0	481.2	485.5	495.4	502.3	515.4	522.8	525.1	531.5
7.5°	457.2	457.9	461.4	464.8	469.9	479.5	489.0	509.4	524.2	526.7	540.5
10°	446.2	447.1	450.3	455.2	460.2	469.2	480.9	505.3	529.2	533.1	552.7
12.5°	442.3	441.8	445.5	448.7	455.9	467.1	479.3	505.5	536.1	541.6	570.4
15°	457.9	454.9	457.2	456.1	458.4	469.4	483.9	510.6	544.6	551.5	588.8
17.5°	492.4	489.9	488.3	478.4	472.0	478.2	492.0	517.7	553.6	561.0	605.4
20°	543.9	536.8	530.8	514.3	496.3	494.3	503.9	524.9	562.1	569.2	622.8
22.5°	602.6	596.8	587.2	558.2	530.4	516.6	519.1	538.0	574.5	582.4	642.8
25°	676.7	676.4	656.6	617.5	575.5	547.6	542.3	558.9	588.6	596.2	659.4
27.5°	761.1	755.3	731.9	681.5	628.6	586.0	573.6	580.3	599.8	607.7	672.7
30°	833.3	834.0	810.1	755.1	685.2	623.5	600.1	595.7	607.2	615.0	685.2
32.5°	910.6	906.7	884.8	828.2	746.3	663.8	617.1	606.7	614.8	622.1	702.4
35°	983.2	978.9	960.0	899.1	813.7	708.2	640.1	624.0	632.7	640.8	723.6
37.5°	1052.5	1053.2	1031.8	973.6	879.1	760.6	674.1	650.0	659.4	668.4	755.8
40°	1113.0	1109.5	1093.0	1040.5	946.9	814.0	712.5	685.4	703.8	712.1	796.5
42.5°	1132.3	1132.1	1138.5	1106.3	1018.2	877.4	760.4	740.6	766.6	779.0	846.4
45°	1115.5	1120.6	1157.8	1156.9	1089.5	950.4	825.7	807.8	845.2	859.3	907.3
47.5°	1098.9	1106.5	1157.1	1185.9	1153.4	1030.6	906.0	892.6	946.4	966.7	970.6
50°	1074.8	1081.9	1142.2	1190.0	1192.5	1111.8	1009.9	993.1	1062.4	1083.1	1039.4
52.5°	1047.9	1053.4	1115.7	1187.0	1211.2	1175.3	1111.8	1107.0	1186.6	1203.4	1109.3
55°	899.3	922.8	1076.9	1180.6	1224.1	1223.8	1210.9	1226.8	1322.0	1347.1	1187.3
57.5°	814.0	826.4	967.4	1176.9	1248.2	1268.7	1313.3	1347.3	1466.7	1489.2	1273.3
60°	786.1	797.2	912.4	1172.5	1296.3	1338.8	1413.3	1468.5	1622.2	1649.8	1369.4
62.5°	760.8	774.2	890.1	1137.8	1354.5	1449.9	1532.7	1599.6	1786.2	1818.8	1465.1
65°	709.3	718.7	849.2	1108.6	1409.7	1608.4	1705.0	1744.1	1945.1	1981.9	1528.6
67.5°	620.3	629.3	756.9	1041.4	1445.5	1773.3	1893.4	1893.6	2067.9	2098.1	1541.9
70°	515.7	522.6	624.0	895.2	1370.8	1879.1	2063.3	1991.3	2102.7	2115.8	1478.4
72.5°	368.7	374.7	457.0	661.7	1124.0	1793.3	2102.0	1987.2	2018.5	2014.3	1297.9
75°	227.2	238.7	279.9	403.9	698.5	1411.0	1891.7	1800.7	1694.9	1683.4	977.3
77.5°	148.1	154.1	189.3	238.3	308.2	810.1	1436.8	1350.1	1070.2	1056.8	525.3
80°	89.0	98.9	124.0	149.7	139.6	309.8	820.4	670.7	378.1	374.0	161.5
82.5°	47.8	56.8	87.4	92.7	78.4	109.5	297.2	218.0	121.0	119.6	60.5
85°	37.9	42.3	62.8	58.6	44.4	55.4	115.9	90.8	62.1	60.7	22.8
87.5°	23.0	29.0	47.6	39.6	22.1	20.0	53.1	43.0	29.2	27.1	9.0
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°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	531.3	532.4	533.6	531.3	532.2	531.1	531.1	531.1	528.1	527.2	529.9
5°	536.4	538.0	538.9	531.8	527.4	520.9	515.7	507.6	503.0	500.0	500.0
7.5°	546.7	548.5	544.4	528.5	513.1	495.9	478.2	463.4	452.9	448.3	449.6
10°	561.9	562.6	548.8	519.6	486.7	454.7	429.6	410.1	397.0	390.3	389.4
12.5°	579.6	576.6	549.7	499.8	451.0	408.0	377.4	352.1	335.3	328.9	325.7
15°	597.1	589.9	546.2	476.1	410.5	358.8	319.7	295.8	285.4	282.4	281.3
17.5°	612.7	599.4	534.7	442.1	363.6	301.3	272.5	264.0	265.2	267.9	269.1
20°	627.0	606.5	518.2	401.6	305.0	256.4	249.3	257.1	263.6	267.7	268.4
22.5°	642.6	613.4	495.2	352.4	256.9	235.7	244.3	253.2	259.7	263.8	264.5
25°	654.6	613.2	462.8	293.9	226.5	230.2	240.3	248.4	253.2	256.2	256.0
27.5°	662.2	607.7	420.2	245.9	214.6	226.3	236.0	241.3	244.0	246.3	246.1
30°	664.5	597.1	366.6	210.4	209.1	222.6	230.0	233.2	235.3	237.6	237.6
32.5°	669.1	580.7	307.5	190.7	204.9	219.0	223.3	225.9	224.2	218.5	217.3
35°	674.1	562.6	251.6	181.5	201.0	216.4	220.6	213.9	196.4	194.1	193.2
37.5°	684.0	545.8	204.2	175.0	200.1	217.8	221.3	194.6	179.9	172.7	171.6
40°	700.8	529.0	172.5	170.4	201.2	223.8	212.1	185.4	161.0	147.4	145.1
42.5°	722.9	508.5	154.6	168.1	204.5	233.4	208.8	172.3	145.6	136.4	135.0
45°	748.4	481.4	146.0	167.7	208.4	238.3	209.8	161.7	138.7	131.6	131.1
47.5°	774.9	454.7	142.4	167.2	213.2	236.2	197.1	158.5	135.9	133.9	135.2
50°	803.4	424.3	139.4	166.1	217.1	236.2	190.2	157.8	136.8	141.4	146.0
52.5°	830.1	398.8	135.9	162.6	218.7	232.1	188.1	160.3	138.2	137.1	138.5
55°	862.5	385.7	134.1	157.8	215.7	219.4	185.6	167.2	139.4	129.9	129.9
57.5°	899.5	382.9	131.3	151.3	206.1	201.9	185.4	171.3	136.4	127.6	126.0
60°	944.1	388.9	127.9	143.3	194.3	188.4	183.8	171.3	131.6	123.7	124.4
62.5°	980.3	388.2	125.8	136.2	178.7	174.3	180.8	169.0	129.7	123.3	123.0
65°	988.8	373.5	119.8	127.0	159.4	157.3	177.6	163.3	127.2	120.7	118.9
67.5°	960.0	340.2	110.9	114.8	138.9	139.1	171.8	155.7	123.7	119.4	116.4
70°	878.4	275.1	97.5	100.0	116.8	119.8	163.3	146.7	118.0	113.4	106.3
72.5°	735.1	197.8	82.1	82.8	92.9	100.7	148.6	134.5	109.5	98.7	91.1
75°	544.2	131.3	66.9	66.0	69.7	81.9	127.0	121.0	98.4	81.9	78.0
77.5°	287.7	77.7	51.5	51.7	49.4	62.8	100.7	105.1	87.4	69.0	65.1
80°	98.4	46.7	37.0	38.6	35.0	44.8	74.7	87.4	74.7	57.5	50.8
82.5°	45.1	28.5	26.4	27.6	25.1	30.4	51.3	66.2	59.6	41.9	33.8
85°	22.8	17.0	17.0	18.6	16.6	15.6	28.3	43.9	43.7	28.7	24.8
87.5°	9.4	8.3	7.8	9.0	7.8	6.0	8.0	15.9	23.0	17.2	11.0
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)