

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: P672332

Luminaire Tested: **CCP-SA-1B-850-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672332
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-850-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

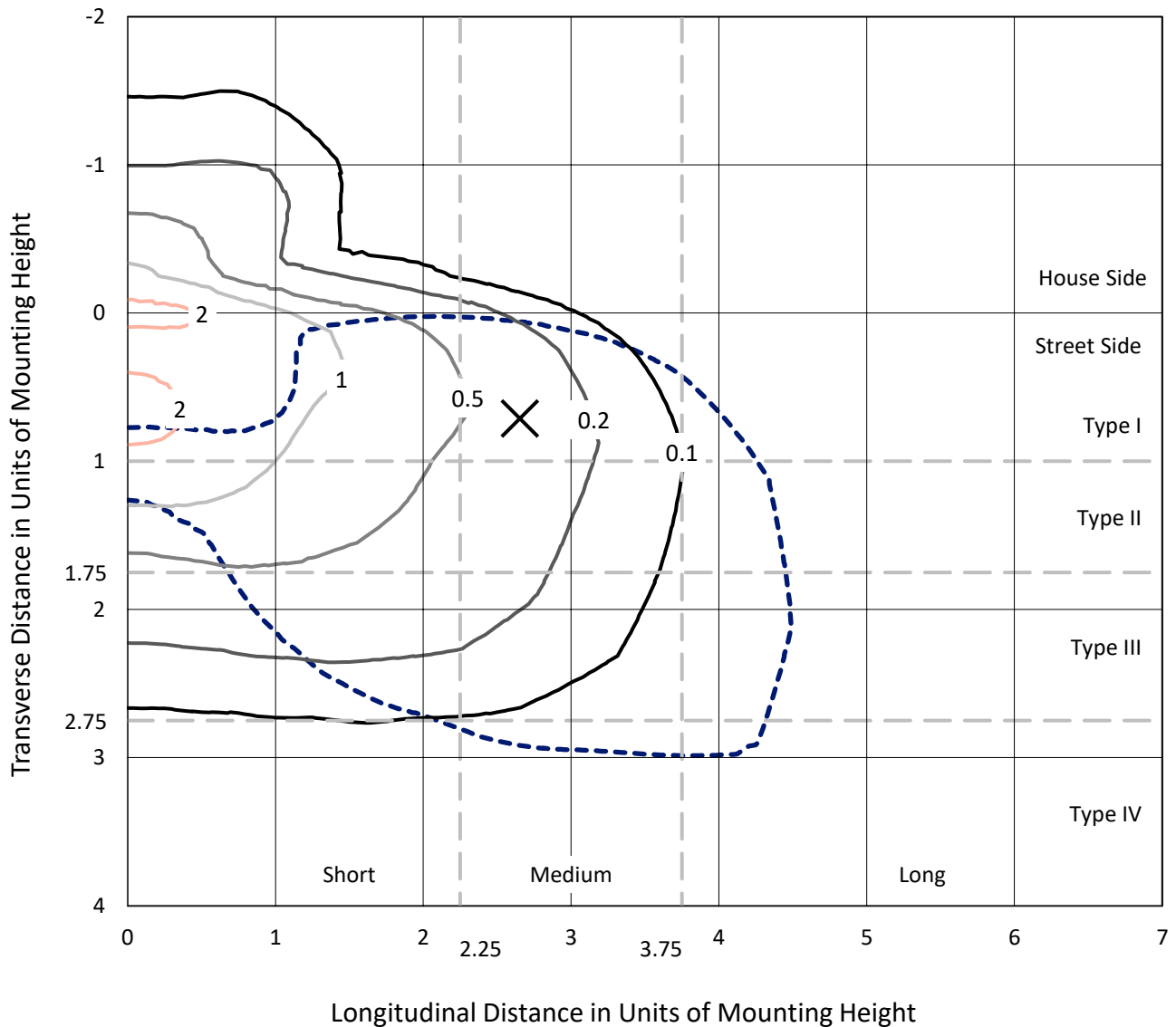
Lumens per Lamp: N/A
Luminaire Lumens: 3063 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (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

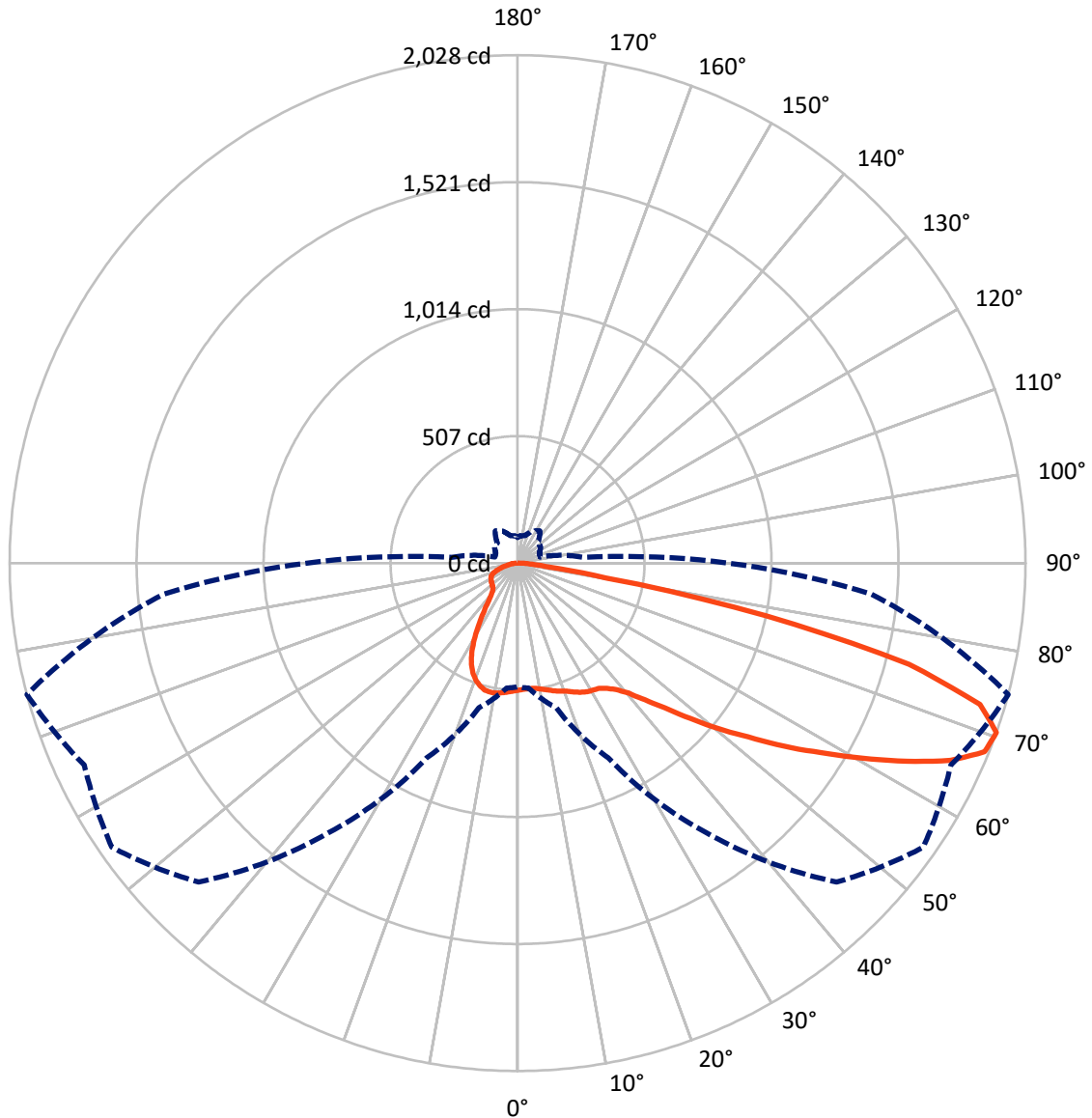
✕ Max cd
 - - - 1/2 Max cd



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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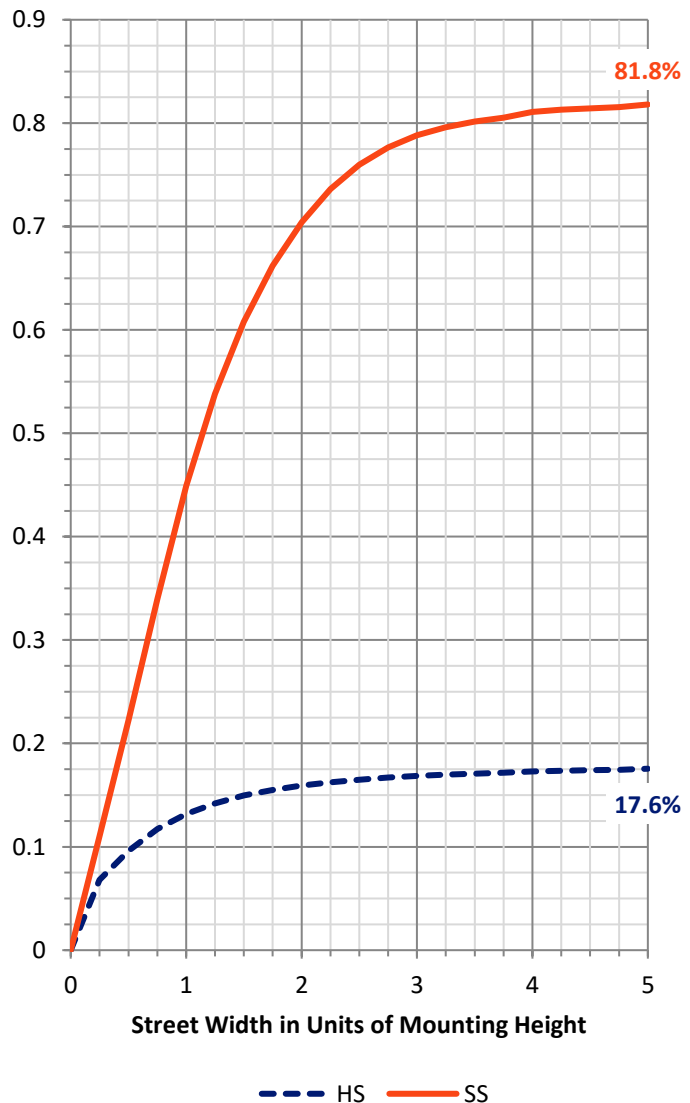
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.9	0.0	544.9
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2518.0	0.0	2518.0
	% Fixture	82.2	0.0	82.2
Total	Lumens	3063.0	0.0	3063.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.5
10°-20°	121.6	4.0
20°-30°	204.9	6.7
30°-40°	311.3	10.2
40°-50°	445.9	14.6
50°-60°	591.2	19.3
60°-70°	739.9	24.2
70°-80°	540.3	17.6
80°-90°	62.3	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°	3063.0	100.0
0°-180°	3063.0	100.0



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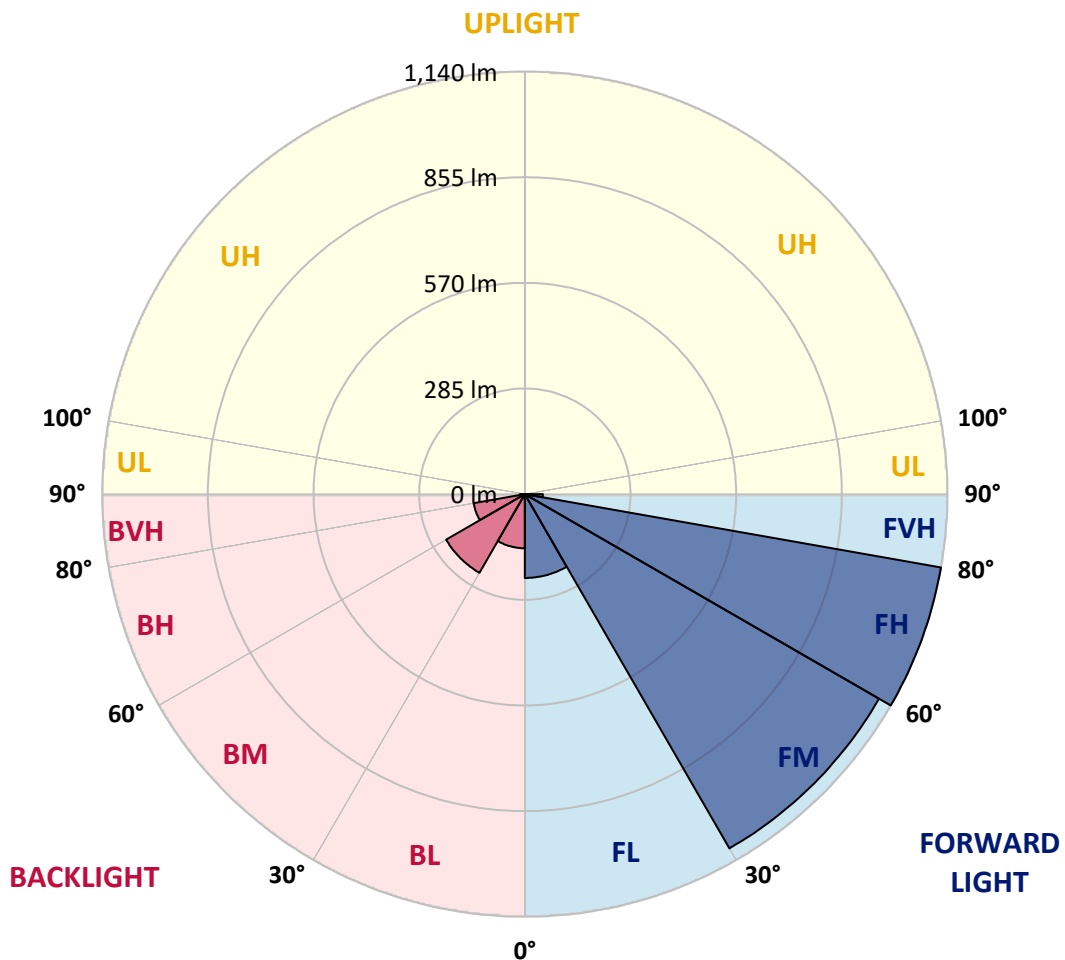
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.1	7.4			
FM (30°-60°)	1103.4	36.0			
FH (60°-80°)	1140.0	37.2			G1/1800
FVH (80°-90°)	48.6	1.6			G1/100
BL (0°-30°)	146.1	4.8	B1/500		
BM (30°-60°)	245.0	8.0	B1/1000		
BH (60°-80°)	140.2	4.6	B1/500		G1/500
BVH (80°-90°)	13.7	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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	479.6	482.2	484.7	487.1	489.1	494.4	495.5	501.2	502.7	504.1	505.8
5°	452.7	454.7	457.1	461.1	465.3	474.7	481.4	493.9	501.0	503.2	509.3
7.5°	438.2	438.8	442.1	445.4	450.3	459.5	468.6	488.2	502.3	504.7	517.9
10°	427.6	428.5	431.5	436.2	441.0	449.6	460.9	484.2	507.1	510.9	529.6
12.5°	423.8	423.4	426.9	430.0	436.8	447.6	459.3	484.4	513.8	519.0	546.6
15°	438.8	436.0	438.2	437.1	439.3	449.8	463.7	489.3	521.9	528.5	564.2
17.5°	471.9	469.5	467.9	458.4	452.3	458.2	471.4	496.1	530.5	537.6	580.1
20°	521.3	514.4	508.7	492.8	475.6	473.6	482.9	503.0	538.7	545.5	596.8
22.5°	577.5	571.9	562.7	534.9	508.2	495.0	497.4	515.5	550.6	558.1	616.0
25°	648.4	648.2	629.2	591.8	551.4	524.8	519.7	535.6	564.0	571.3	631.9
27.5°	729.3	723.8	701.3	653.1	602.4	561.6	549.7	556.1	574.8	582.3	644.7
30°	798.5	799.2	776.3	723.6	656.6	597.5	575.0	570.8	581.9	589.4	656.6
32.5°	872.6	868.8	847.9	793.7	715.2	636.1	591.3	581.4	589.1	596.2	673.1
35°	942.2	938.0	920.0	861.6	779.8	678.6	613.4	597.9	606.3	614.0	693.4
37.5°	1008.6	1009.2	988.7	933.0	842.4	728.9	646.0	622.9	631.9	640.5	724.2
40°	1066.5	1063.2	1047.3	997.1	907.4	780.0	682.8	656.8	674.4	682.4	763.3
42.5°	1085.0	1084.8	1091.0	1060.1	975.7	840.8	728.6	709.7	734.6	746.5	811.1
45°	1068.9	1073.8	1109.5	1108.6	1044.0	910.7	791.2	774.1	810.0	823.4	869.5
47.5°	1053.1	1060.4	1108.8	1136.4	1105.3	987.6	868.2	855.4	907.0	926.3	930.1
50°	1029.9	1036.8	1094.5	1140.4	1142.8	1065.4	967.8	951.7	1018.0	1037.9	996.0
52.5°	1004.2	1009.4	1069.2	1137.5	1160.6	1126.3	1065.4	1060.8	1137.1	1153.1	1063.0
55°	861.8	884.3	1031.9	1131.3	1173.0	1172.8	1160.4	1175.6	1266.9	1290.9	1137.7
57.5°	780.0	791.9	927.0	1127.8	1196.1	1215.7	1258.5	1291.1	1405.5	1427.1	1220.1
60°	753.3	763.9	874.3	1123.6	1242.2	1283.0	1354.4	1407.3	1554.5	1580.9	1312.3
62.5°	729.1	741.9	853.0	1090.3	1297.9	1389.4	1468.8	1532.9	1711.6	1742.9	1404.0
65°	679.7	688.8	813.7	1062.3	1350.8	1541.3	1633.8	1671.3	1863.9	1899.2	1464.8
67.5°	594.4	603.0	725.3	998.0	1385.2	1699.3	1814.3	1814.6	1981.6	2010.5	1477.6
70°	494.1	500.8	597.9	857.8	1313.6	1800.7	1977.2	1908.2	2014.9	2027.5	1416.7
72.5°	353.3	359.0	437.9	634.1	1077.1	1718.5	2014.3	1904.3	1934.2	1930.3	1243.7
75°	217.8	228.8	268.2	387.0	669.4	1352.2	1812.8	1725.5	1624.1	1613.1	936.5
77.5°	141.9	147.7	181.4	228.3	295.3	776.3	1376.8	1293.8	1025.5	1012.7	503.4
80°	85.3	94.8	118.8	143.5	133.8	296.9	786.2	642.7	362.3	358.4	154.7
82.5°	45.8	54.4	83.8	88.8	75.2	104.9	284.8	208.9	115.9	114.6	58.0
85°	36.4	40.6	60.2	56.2	42.5	53.1	111.1	87.1	59.5	58.2	21.8
87.5°	22.0	27.8	45.6	37.9	21.2	19.2	50.9	41.2	28.0	26.0	8.6
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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	509.1	510.2	511.3	509.1	510.0	508.9	508.9	508.9	506.0	505.2	507.8
5°	514.0	515.5	516.4	509.6	505.4	499.2	494.1	486.4	482.0	479.2	479.2
7.5°	523.9	525.7	521.7	506.5	491.7	475.2	458.2	444.1	434.0	429.6	430.9
10°	538.4	539.1	525.9	497.9	466.4	435.7	411.7	393.0	380.4	374.0	373.1
12.5°	555.4	552.5	526.8	478.9	432.2	391.0	361.7	337.4	321.3	315.2	312.1
15°	572.2	565.3	523.5	456.2	393.4	343.8	306.4	283.4	273.5	270.7	269.6
17.5°	587.2	574.4	512.4	423.6	348.5	288.7	261.2	253.0	254.1	256.8	257.9
20°	600.8	581.2	496.6	384.8	292.3	245.7	238.9	246.4	252.6	256.5	257.2
22.5°	615.8	587.8	474.5	337.7	246.2	225.9	234.1	242.7	248.8	252.8	253.5
25°	627.3	587.6	443.4	281.7	217.1	220.6	230.3	238.0	242.7	245.5	245.3
27.5°	634.5	582.3	402.7	235.6	205.6	216.9	226.1	231.2	233.8	236.1	235.8
30°	636.7	572.2	351.3	201.7	200.3	213.3	220.4	223.5	225.5	227.7	227.7
32.5°	641.1	556.5	294.7	182.7	196.4	209.8	214.0	216.4	214.9	209.4	208.3
35°	646.0	539.1	241.1	173.9	192.6	207.4	211.4	205.0	188.2	186.0	185.1
37.5°	655.5	523.0	195.7	167.7	191.7	208.7	212.0	186.5	172.4	165.5	164.4
40°	671.6	506.9	165.3	163.3	192.9	214.5	203.2	177.6	154.3	141.3	139.1
42.5°	692.7	487.3	148.1	161.1	195.9	223.7	200.1	165.1	139.5	130.7	129.4
45°	717.2	461.3	140.0	160.7	199.7	228.3	201.0	154.9	132.9	126.1	125.6
47.5°	742.5	435.7	136.4	160.2	204.3	226.4	188.9	151.9	130.3	128.3	129.6
50°	769.9	406.6	133.6	159.1	208.1	226.4	182.3	151.2	131.1	135.5	140.0
52.5°	795.4	382.2	130.3	155.8	209.6	222.4	180.3	153.6	132.5	131.4	132.7
55°	826.5	369.6	128.5	151.2	206.7	210.3	177.9	160.2	133.6	124.5	124.5
57.5°	862.0	367.0	125.8	145.0	197.5	193.5	177.6	164.2	130.7	122.3	120.8
60°	904.7	372.7	122.5	137.3	186.2	180.5	176.1	164.2	126.1	118.6	119.2
62.5°	939.4	372.0	120.6	130.5	171.3	167.1	173.2	162.0	124.3	118.1	117.9
65°	947.5	357.9	114.8	121.7	152.7	150.8	170.2	156.5	121.9	115.7	113.9
67.5°	920.0	326.0	106.2	110.0	133.1	133.3	164.6	149.2	118.6	114.4	111.5
70°	841.7	263.6	93.5	95.9	112.0	114.8	156.5	140.6	113.1	108.7	101.8
72.5°	704.4	189.5	78.7	79.3	89.0	96.5	142.4	128.9	104.9	94.6	87.3
75°	521.5	125.8	64.1	63.3	66.8	78.5	121.7	115.9	94.3	78.5	74.7
77.5°	275.7	74.5	49.4	49.6	47.4	60.2	96.5	100.7	83.8	66.1	62.4
80°	94.3	44.7	35.5	37.0	33.5	43.0	71.6	83.8	71.6	55.1	48.7
82.5°	43.2	27.3	25.3	26.4	24.0	29.1	49.1	63.5	57.1	40.1	32.4
85°	21.8	16.3	16.3	17.9	15.9	15.0	27.1	42.1	41.9	27.6	23.8
87.5°	9.0	7.9	7.5	8.6	7.5	5.7	7.7	15.2	22.0	16.5	10.6
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)