

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: P674469

Luminaire Tested: **CCP-SA-1A-835-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674469
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

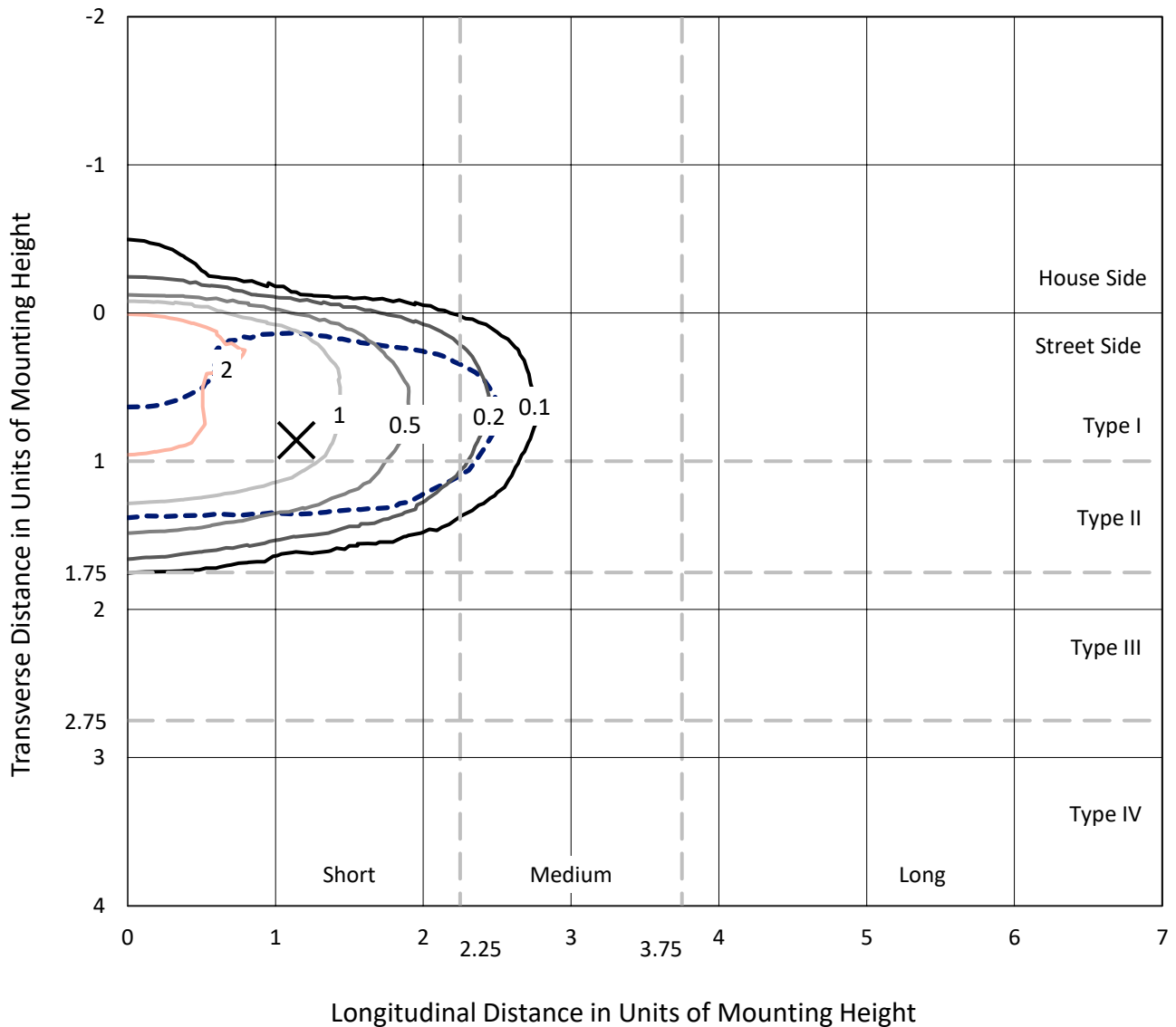
Lumens per Lamp: N/A
Luminaire Lumens: 1869.4 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 18
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: P674469
 CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

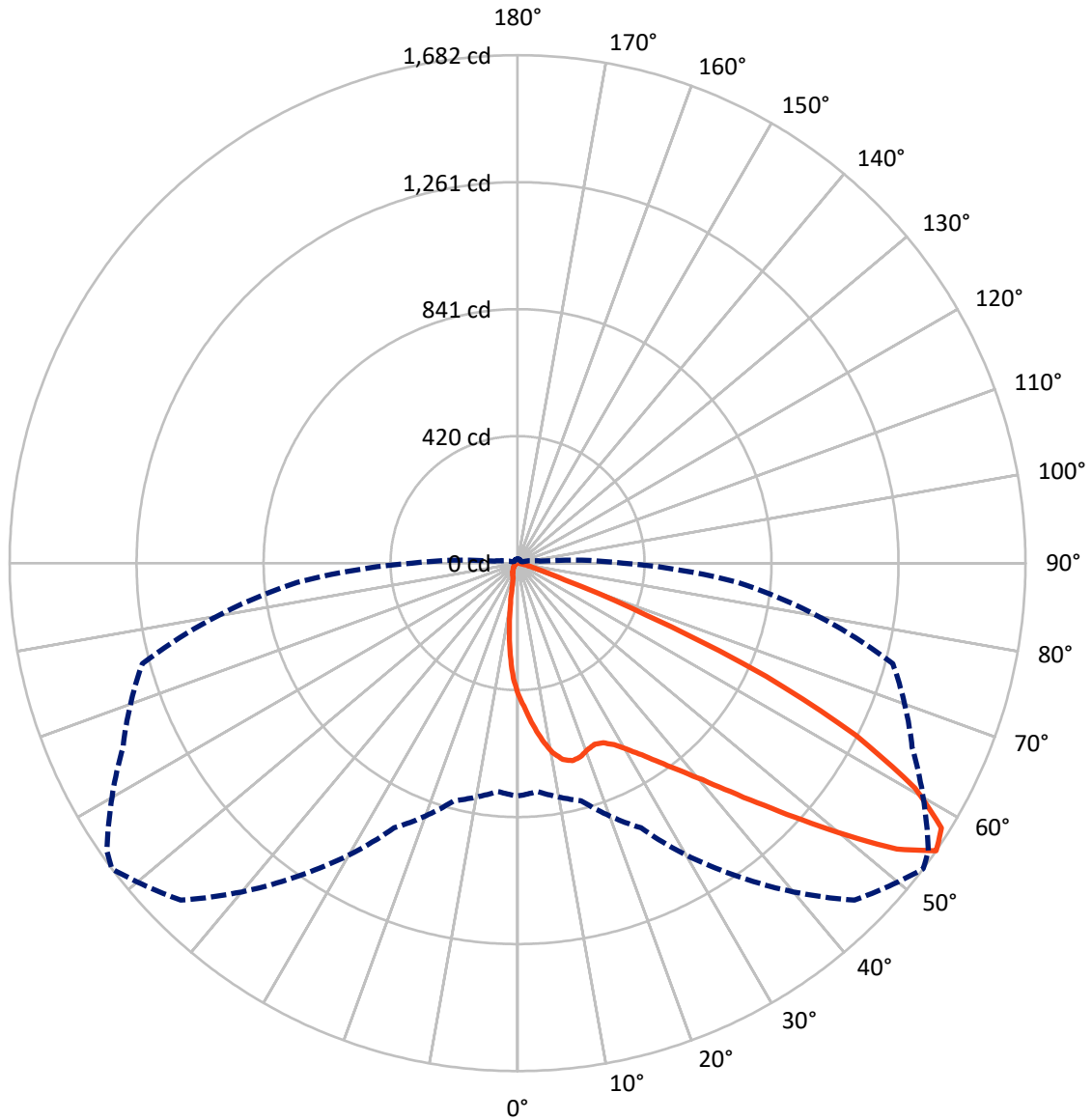
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

REPORT NUMBER: P674469
CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P674469
 CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

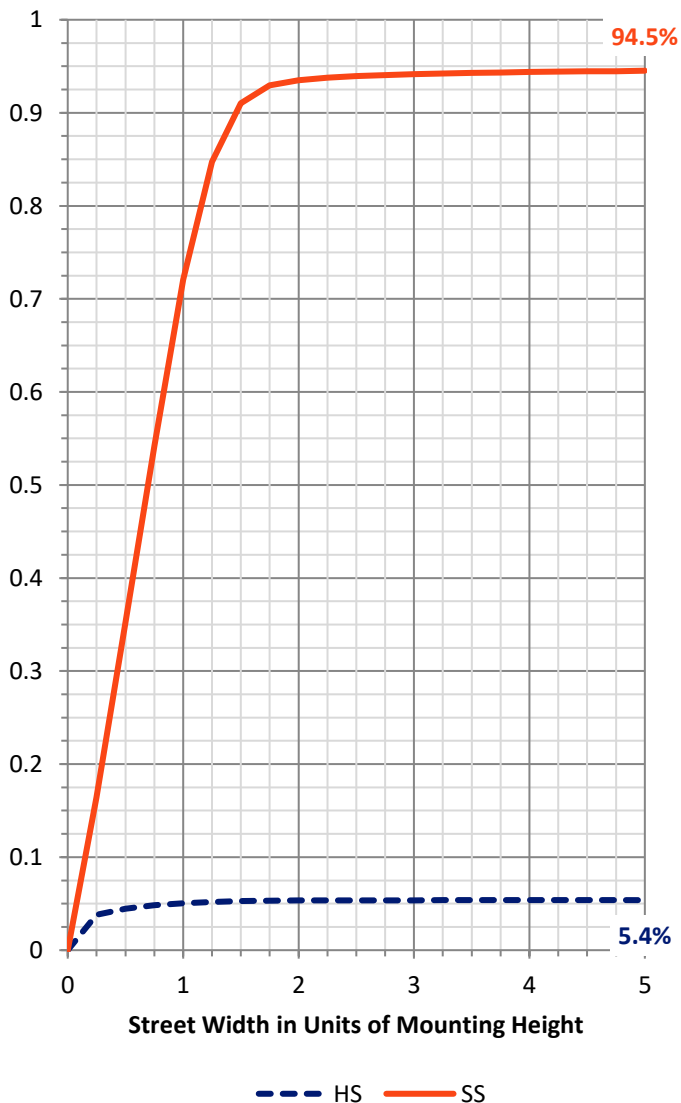
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	101.1	0.0	101.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	1768.4	0.0	1768.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	1869.4	0.0	1869.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	2.1
10°-20°	102.2	5.5
20°-30°	171.1	9.2
30°-40°	279.9	15.0
40°-50°	449.9	24.1
50°-60°	507.9	27.2
60°-70°	270.9	14.5
70°-80°	44.5	2.4
80°-90°	4.0	0.2
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°	1869.4	100.0
0°-180°	1869.4	100.0



REPORT NUMBER: P674469

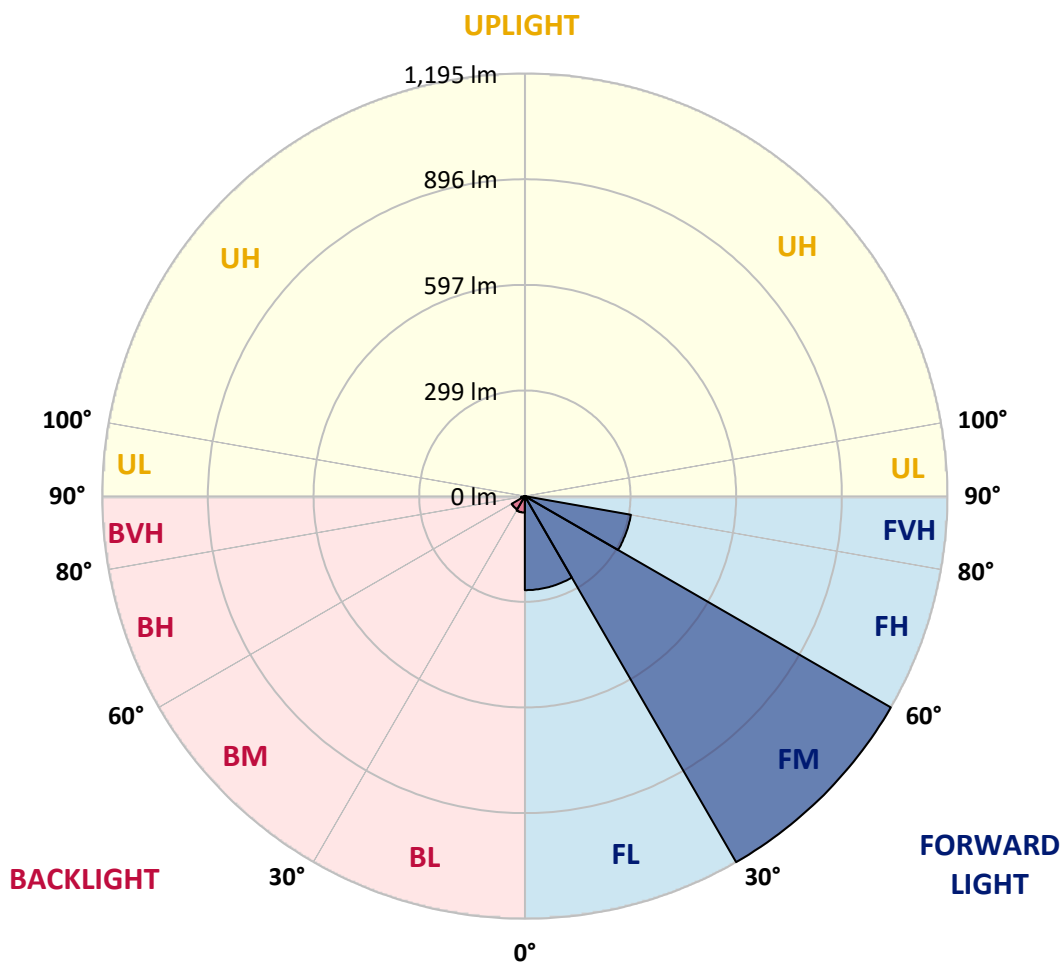
CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.7	14.2			
FM (30°-60°)	1194.6	63.9			
FH (60°-80°)	304.4	16.3			G0/660
FVH (80°-90°)	3.7	0.2			G0/10
BL (0°-30°)	46.6	2.5	B0/110		
BM (30°-60°)	43.1	2.3	B0/220		
BH (60°-80°)	11.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short





REPORT NUMBER: P674469
 CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5
2.5°	524.6	521.5	523.3	518.6	509.9	499.1	482.9	483.7	470.9	459.8	444.4
5°	611.3	608.0	607.0	594.9	582.8	563.3	539.2	535.3	511.8	483.5	451.2
7.5°	657.0	654.2	656.3	651.9	639.9	622.2	591.8	588.8	552.6	509.7	462.2
10°	636.0	635.0	644.0	654.5	664.2	662.0	637.6	633.1	592.4	538.5	473.5
12.5°	579.7	582.8	594.2	613.6	643.4	671.4	667.4	668.3	633.1	569.8	486.0
15°	546.6	550.3	556.9	566.9	603.6	653.4	678.7	686.9	672.0	604.7	500.7
17.5°	543.8	546.9	547.9	551.6	573.1	624.4	674.2	689.7	706.8	637.6	517.3
20°	565.2	566.6	565.7	562.9	570.6	608.6	659.7	682.0	735.4	672.7	531.8
22.5°	605.7	603.7	601.3	591.0	590.5	613.1	651.9	675.1	752.5	701.7	541.5
25°	655.8	651.7	648.3	633.7	626.8	636.2	658.9	677.6	767.8	729.9	548.4
27.5°	710.5	711.8	703.3	683.7	672.9	670.9	680.7	694.6	782.8	755.1	552.1
30°	769.0	769.7	758.5	738.2	728.4	715.8	715.1	723.5	798.8	784.1	555.7
32.5°	835.7	837.5	819.3	798.2	781.0	764.6	756.5	763.6	827.6	821.9	563.1
35°	932.0	924.1	899.5	867.6	843.2	821.7	809.5	814.0	866.0	867.3	577.9
37.5°	1031.2	1030.4	1003.2	957.2	917.2	890.5	869.6	877.1	919.8	928.0	601.4
40°	1123.8	1125.9	1102.3	1062.2	1010.8	964.9	942.5	947.5	991.4	1001.7	630.1
42.5°	1184.2	1183.1	1184.9	1173.4	1121.8	1067.8	1034.0	1036.8	1074.6	1080.0	666.0
45°	1212.0	1207.6	1223.0	1259.4	1238.9	1182.1	1143.6	1140.1	1160.9	1159.5	698.6
47.5°	1188.0	1179.8	1215.2	1302.8	1342.4	1325.2	1270.2	1264.0	1246.3	1234.5	732.5
50°	1068.2	1064.6	1140.3	1282.2	1407.5	1457.6	1417.1	1394.0	1322.4	1289.9	750.3
52.5°	954.4	944.4	995.5	1176.8	1378.5	1564.0	1572.4	1531.3	1385.7	1305.7	744.3
55°	771.0	758.7	814.4	966.9	1263.6	1577.6	1681.5	1660.0	1441.0	1286.1	732.0
57.5°	468.3	456.2	538.1	692.5	1010.6	1464.6	1654.6	1676.4	1483.6	1264.5	724.0
60°	196.9	189.2	221.3	330.5	645.3	1203.7	1512.1	1566.5	1491.6	1234.8	727.2
62.5°	102.4	98.9	100.7	132.3	260.9	792.6	1258.6	1353.2	1410.7	1221.7	730.5
65°	76.8	74.2	68.5	72.7	101.4	342.6	904.5	1031.2	1235.3	1188.5	708.4
67.5°	63.1	60.6	56.5	55.2	59.8	118.9	461.7	626.5	968.0	1046.8	629.1
70°	50.3	49.5	48.2	45.7	44.9	57.7	165.6	255.3	640.1	738.2	456.0
72.5°	41.9	42.1	40.6	38.5	35.5	37.2	66.0	87.3	309.7	354.0	191.0
75°	35.1	35.1	35.5	32.6	29.6	25.6	36.7	42.6	99.4	81.7	40.8
77.5°	27.5	27.8	30.0	27.5	23.7	16.1	20.0	22.8	29.5	23.6	14.9
80°	21.9	21.6	20.8	24.7	21.3	11.3	9.5	10.5	13.8	11.3	7.4
82.5°	15.4	15.2	14.6	16.7	16.5	8.4	6.2	6.4	8.4	7.2	4.6
85°	3.8	4.4	9.3	7.9	6.9	4.9	3.8	4.1	5.4	4.7	2.5
87.5°	1.6	1.6	4.3	5.1	3.3	2.1	1.6	1.8	2.8	2.8	1.5
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: P674469
 CATALOG NUMBER: CCP-SA-1A-835-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5
2.5°	439.0	428.3	414.9	400.6	386.1	368.5	357.4	348.2	341.0	335.4	333.5
5°	440.6	420.1	389.7	351.8	313.3	277.3	249.5	228.8	211.8	202.4	198.4
7.5°	440.4	413.2	358.2	294.8	232.3	180.3	143.5	120.7	105.5	99.3	95.5
10°	440.3	404.2	322.3	231.6	155.3	104.5	77.0	64.2	58.6	56.5	56.2
12.5°	445.0	393.9	282.2	170.5	97.5	65.0	53.6	50.6	49.3	48.6	48.5
15°	447.6	384.4	240.0	120.4	65.7	51.4	47.8	46.5	46.0	45.7	45.5
17.5°	450.4	369.7	199.8	87.1	52.6	46.7	44.6	43.7	43.4	43.4	43.4
20°	450.9	353.8	160.0	64.2	46.7	43.6	41.4	40.6	40.1	39.8	39.8
22.5°	447.3	335.0	125.8	52.1	43.2	40.6	38.3	37.0	36.2	36.0	36.0
25°	438.3	308.3	96.5	45.7	40.5	37.7	34.9	33.4	32.8	32.8	32.8
27.5°	425.4	276.8	74.5	40.6	36.9	34.1	31.6	30.3	30.1	30.0	30.1
30°	410.6	246.5	57.0	36.0	32.6	30.3	28.3	27.7	28.0	28.0	28.2
32.5°	395.9	216.2	44.6	32.4	28.8	26.9	25.9	25.9	26.4	26.4	26.4
35°	383.3	186.6	37.3	29.5	26.2	24.6	24.1	24.6	24.9	25.1	25.1
37.5°	376.2	161.0	32.9	26.9	24.1	22.8	22.6	23.1	23.7	24.2	24.4
40°	373.6	141.4	30.3	24.9	22.1	21.3	21.1	21.8	22.9	23.7	23.9
42.5°	373.8	124.0	28.0	22.9	20.8	19.7	19.7	20.6	21.8	22.6	22.6
45°	374.9	109.1	25.7	21.0	19.7	17.7	17.9	19.2	20.0	20.8	20.8
47.5°	375.9	97.1	23.3	18.8	17.0	16.1	16.4	17.4	18.5	19.8	19.8
50°	370.2	88.6	20.8	16.5	14.9	14.6	15.2	16.1	17.7	19.0	19.2
52.5°	356.4	80.9	18.7	14.7	13.4	13.6	14.4	14.9	16.2	16.4	16.5
55°	350.3	77.0	17.0	13.4	12.3	12.8	13.3	13.4	13.1	12.3	12.3
57.5°	349.0	74.4	15.4	12.1	11.3	12.0	11.8	10.8	9.8	8.8	8.7
60°	350.3	70.8	14.1	10.5	10.3	10.5	10.0	8.2	6.9	6.2	5.9
62.5°	342.8	65.5	12.9	9.0	9.0	8.8	7.5	5.6	4.4	3.9	3.8
65°	317.9	55.2	11.8	7.5	7.4	7.0	5.1	3.8	2.9	2.5	2.3
67.5°	268.9	42.7	10.6	6.2	5.9	4.9	3.3	2.5	1.6	1.5	1.3
70°	183.4	26.5	9.0	4.9	4.4	3.1	2.0	1.5	1.0	0.8	0.7
72.5°	66.5	15.4	7.5	3.8	2.9	2.0	1.1	0.7	0.5	0.5	0.3
75°	15.7	10.8	5.7	2.8	2.0	1.1	0.7	0.5	0.3	0.3	0.2
77.5°	7.2	8.4	3.8	1.6	1.3	0.8	0.5	0.3	0.2	0.2	0.0
80°	4.1	5.9	1.8	1.1	1.0	0.7	0.3	0.2	0.2	0.0	0.0
82.5°	2.1	3.3	1.3	1.0	0.8	0.5	0.3	0.0	0.0	0.0	0.0
85°	1.5	1.6	1.0	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.0	0.8	0.7	0.5	0.2	0.0	0.0	0.0	0.0
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)