

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: P673396

Luminaire Tested: **CCP-SA-1B-735-U-T4FT-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673396  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-735-U-T4FT-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T4FT distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

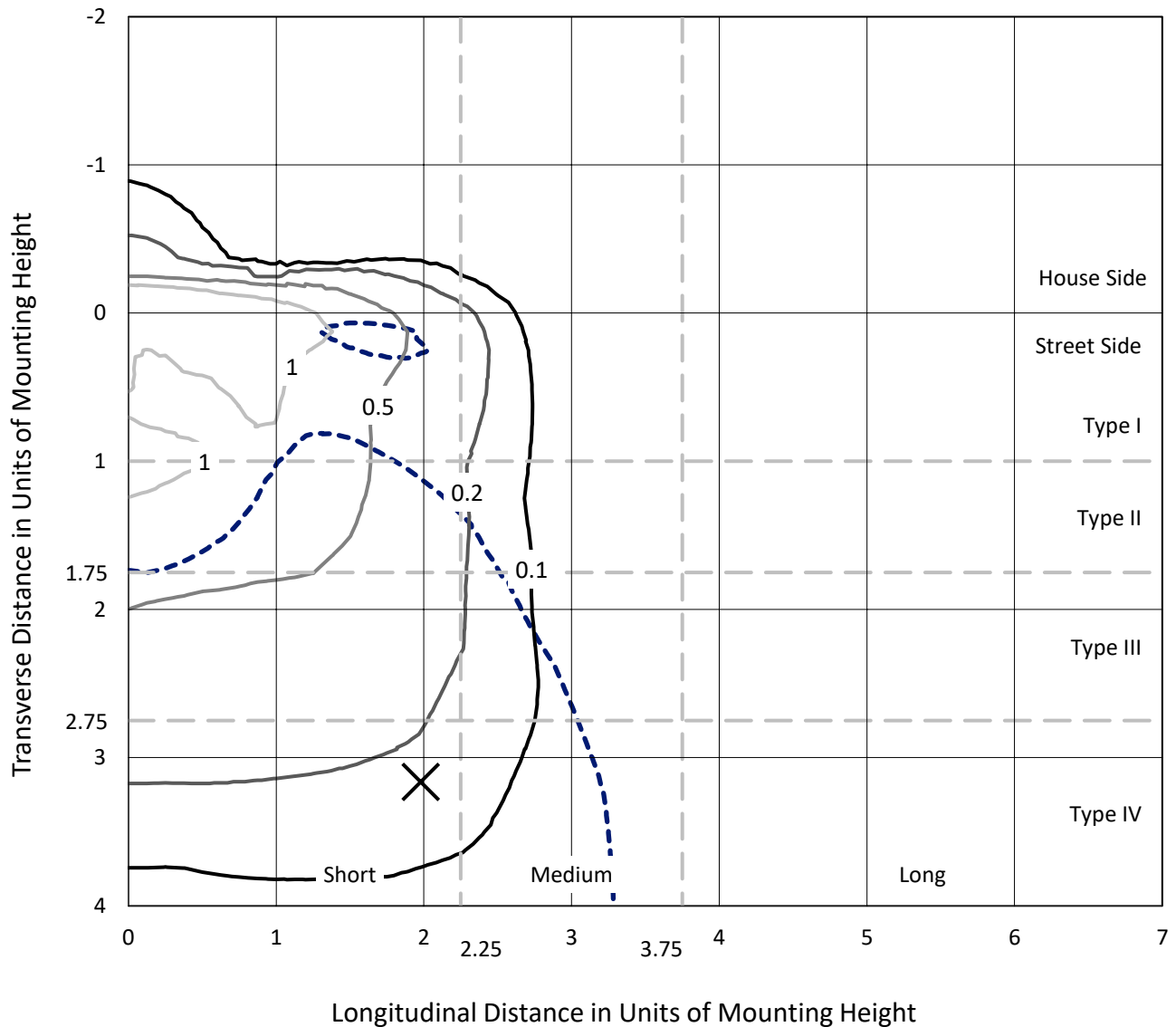
Lumens per Lamp: N/A  
Luminaire Lumens: 2445.9 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

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

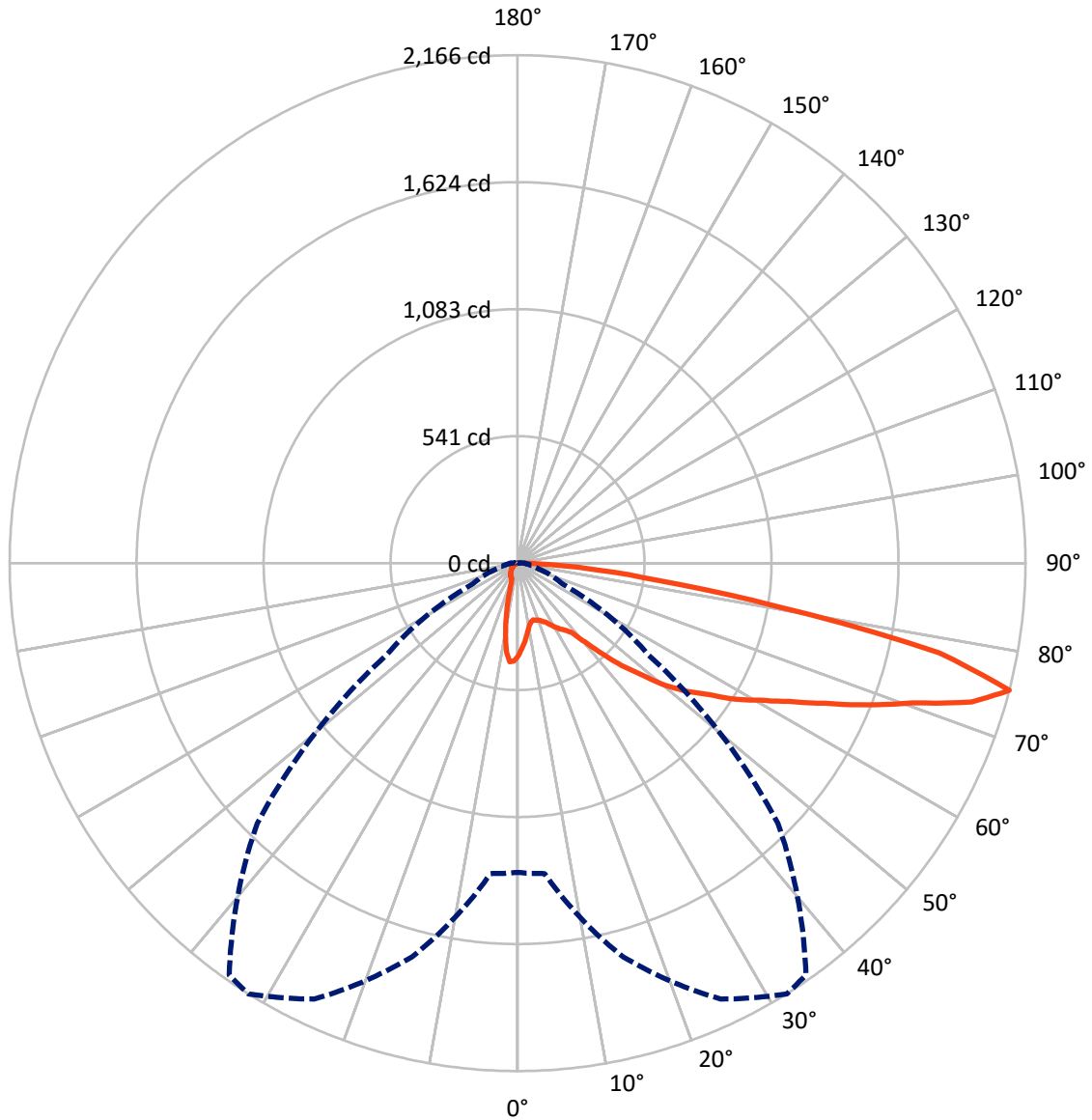
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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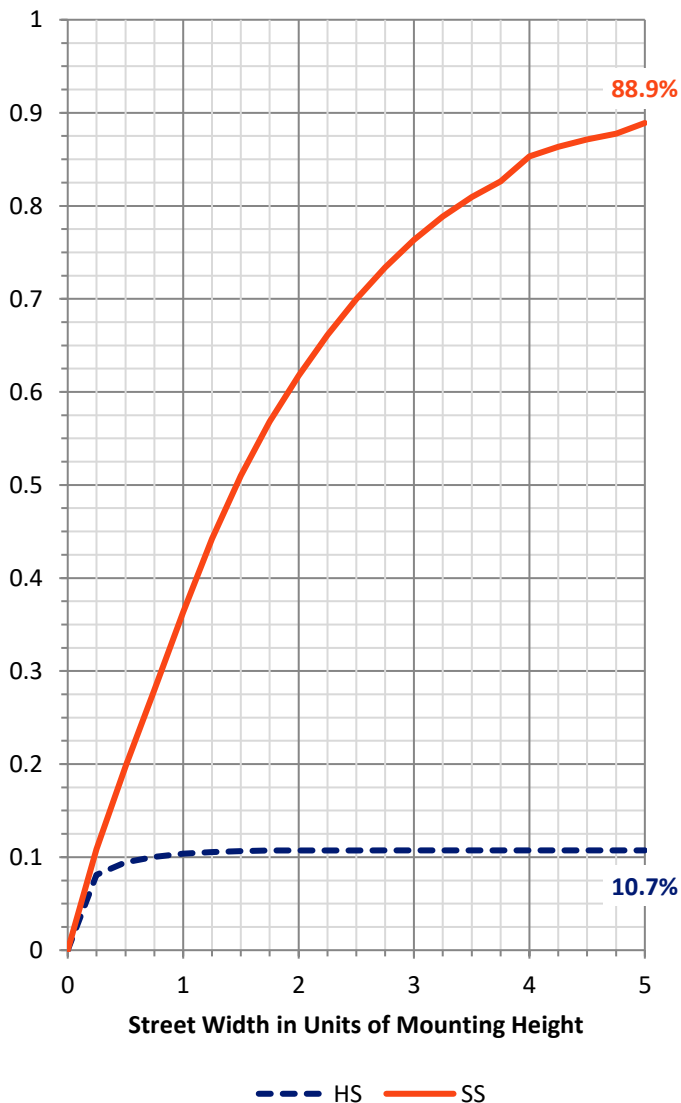
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	264.2	0.0	264.2
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	2181.6	0.0	2181.6
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	2445.9	0.0	2445.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	1.4
10°-20°	78.8	3.2
20°-30°	118.0	4.8
30°-40°	181.1	7.4
40°-50°	316.7	12.9
50°-60°	495.0	20.2
60°-70°	640.0	26.2
70°-80°	521.3	21.3
80°-90°	60.3	2.5
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°	2445.9	100.0
0°-180°	2445.9	100.0



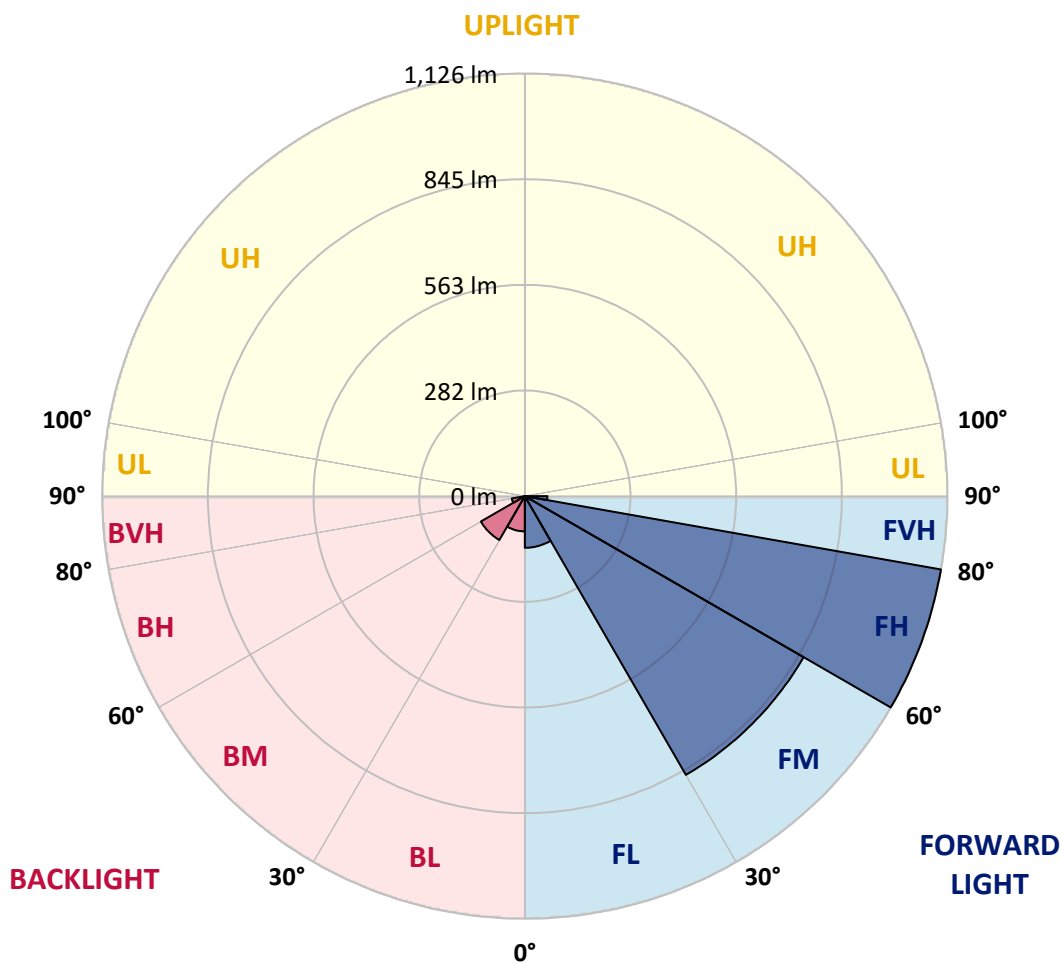
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.6	5.6			
FM (30°-60°)	857.6	35.1			
FH (60°-80°)	1126.1	46.0			G1/1800
FVH (80°-90°)	60.3	2.5			G1/100
BL (0°-30°)	93.9	3.8	B0/110		
BM (30°-60°)	135.2	5.5	B0/220		
BH (60°-80°)	35.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	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-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9
2.5°	354.2	359.2	358.6	361.7	362.3	364.2	368.6	368.6	381.1	389.9	395.6
5°	322.2	319.1	320.3	324.1	333.5	332.9	343.5	349.2	364.2	376.8	389.9
7.5°	282.7	282.1	284.6	293.4	300.3	305.9	317.2	331.6	351.7	370.5	393.7
10°	257.6	256.4	261.4	263.9	272.1	275.8	293.4	315.9	339.8	366.7	393.7
12.5°	252.0	247.6	250.1	249.5	257.0	258.9	275.8	303.4	332.2	365.5	398.7
15°	255.1	252.0	249.5	249.5	251.4	252.6	270.8	295.3	327.9	367.4	410.0
17.5°	265.2	263.3	255.8	248.2	256.4	256.4	267.7	293.4	328.5	373.0	423.8
20°	277.1	275.2	262.0	253.3	258.9	265.2	277.1	297.8	330.4	377.4	445.1
22.5°	290.2	290.2	272.1	262.0	269.6	270.2	291.5	311.6	337.9	388.7	458.9
25°	306.5	305.3	287.7	276.5	279.0	285.9	305.3	326.6	351.7	404.3	484.6
27.5°	327.9	326.0	305.3	294.0	297.1	304.7	326.6	347.9	364.2	410.6	506.5
30°	345.4	343.5	326.6	309.7	316.6	323.5	349.2	368.0	379.9	422.5	531.6
32.5°	349.2	346.0	334.8	327.2	334.8	347.9	368.0	387.4	405.6	452.6	579.2
35°	392.4	381.1	351.7	339.8	351.1	355.4	388.7	423.1	440.7	476.4	632.5
37.5°	475.2	464.5	425.7	392.4	376.8	381.8	425.0	467.7	484.6	520.9	690.8
40°	576.7	559.2	517.8	473.3	441.3	435.1	463.3	526.0	542.2	576.7	767.3
42.5°	692.7	675.8	611.8	559.2	526.6	518.4	522.8	593.7	607.4	628.1	817.4
45°	776.1	767.3	695.2	648.2	622.5	613.7	603.1	667.6	685.2	692.1	890.2
47.5°	824.3	818.1	778.0	746.0	711.5	702.1	709.0	770.4	758.5	764.2	959.8
50°	888.9	872.6	818.1	828.1	821.2	818.7	830.6	857.6	840.0	823.7	1035.6
52.5°	940.9	912.1	873.9	898.3	909.0	918.4	960.4	980.4	902.1	877.0	1084.5
55°	972.9	945.3	955.4	977.9	989.2	1032.5	1082.0	1066.9	942.8	919.6	1149.7
57.5°	1001.8	1003.6	1030.6	1037.5	1095.2	1102.7	1198.0	1149.1	971.7	958.5	1175.4
60°	1071.3	1064.4	1086.4	1130.9	1186.1	1228.1	1319.0	1204.2	986.1	978.6	1168.5
62.5°	1196.7	1154.1	1161.6	1218.0	1298.9	1344.7	1388.5	1229.3	982.3	981.7	1147.8
65°	1355.9	1307.0	1284.5	1337.1	1441.8	1506.4	1466.9	1257.5	957.2	974.8	1070.7
67.5°	1488.2	1488.8	1446.8	1476.3	1613.0	1626.7	1540.9	1251.9	915.2	920.3	882.6
70°	1640.5	1661.2	1624.2	1716.4	1784.7	1793.5	1625.5	1205.5	825.0	694.0	507.1
72.5°	1679.4	1690.1	1805.4	1947.1	2024.2	2026.7	1708.9	1050.6	542.9	306.5	157.3
75°	1319.0	1329.0	1737.7	2051.1	2165.9	2143.9	1569.7	682.0	211.3	89.6	37.6
77.5°	736.0	739.1	1078.9	1658.1	1837.4	1749.0	1099.5	265.8	85.3	51.4	17.6
80°	201.2	236.3	399.9	817.4	1122.1	1101.4	523.4	86.5	55.2	40.1	8.1
82.5°	48.3	52.0	128.5	361.7	593.0	618.7	156.1	43.9	38.2	33.2	4.4
85°	17.6	19.4	39.5	176.2	304.7	279.6	47.0	21.9	28.2	25.7	1.9
87.5°	6.3	6.3	12.5	57.7	89.0	67.1	15.7	7.5	14.4	15.7	0.6
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°	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9
2.5°	396.2	396.2	405.0	412.5	415.0	418.1	415.0	421.9	421.3	418.1	419.4
5°	396.8	408.1	415.6	420.6	423.1	422.5	423.8	416.2	411.9	408.7	405.6
7.5°	399.9	410.6	424.4	423.1	416.2	401.8	390.5	370.5	351.1	350.4	347.3
10°	410.6	420.0	428.2	423.1	398.1	354.2	318.5	291.5	267.1	255.8	257.0
12.5°	418.1	435.7	431.9	406.2	354.2	296.5	243.9	204.4	182.4	161.7	161.7
15°	433.8	440.1	438.8	381.8	300.3	231.3	167.4	127.3	104.1	94.7	93.4
17.5°	448.8	455.7	434.4	344.8	247.0	155.5	101.6	79.0	75.9	74.6	75.2
20°	467.7	468.3	430.7	307.8	185.6	98.4	72.7	70.8	71.5	70.8	70.8
22.5°	487.7	492.1	417.5	255.8	123.5	71.5	67.7	68.3	68.3	68.3	70.2
25°	514.0	507.1	396.8	206.2	80.9	65.8	65.8	66.4	66.4	66.4	67.1
27.5°	531.6	522.2	370.5	148.6	63.3	62.1	63.3	63.3	64.6	64.6	64.6
30°	568.0	543.5	337.3	95.9	57.0	58.9	60.2	61.4	62.1	63.3	63.9
32.5°	596.2	562.3	295.9	63.9	52.0	53.3	56.4	58.9	61.4	60.8	60.8
35°	647.6	593.0	257.6	50.8	47.6	47.6	50.8	55.2	58.9	60.2	60.2
37.5°	706.5	618.1	204.4	46.4	43.9	43.9	45.8	50.8	55.8	58.3	57.0
40°	755.4	646.9	151.1	43.3	40.7	40.7	42.0	45.8	51.4	55.8	56.4
42.5°	789.9	668.3	102.2	40.1	38.2	37.6	39.5	41.4	45.8	52.0	53.3
45°	821.2	679.5	63.3	37.0	35.7	35.7	35.7	37.6	40.7	46.4	47.6
47.5°	877.0	692.1	45.8	34.5	32.6	33.2	33.9	34.5	37.0	38.2	38.9
50°	924.0	701.5	37.6	32.0	30.7	31.3	31.3	31.3	32.6	30.7	30.7
52.5°	959.8	692.1	32.0	29.5	28.2	28.8	28.2	28.2	27.0	24.4	24.4
55°	986.1	675.1	25.7	27.0	27.0	27.0	25.7	23.8	21.3	19.4	19.4
57.5°	993.0	646.3	20.1	22.6	24.4	24.4	21.9	19.4	16.3	14.4	13.8
60°	982.3	583.6	15.0	16.3	18.8	19.4	17.6	14.4	11.3	9.4	9.4
62.5°	944.1	534.1	11.9	10.7	13.8	14.4	12.5	9.4	6.3	4.4	3.8
65°	871.4	457.6	8.8	7.5	9.4	10.0	8.1	4.4	1.9	0.6	0.0
67.5°	699.0	344.8	5.6	5.0	6.3	6.3	3.8	1.3	0.0	0.0	0.0
70°	386.8	193.7	3.8	2.5	3.1	1.9	0.6	0.0	0.0	0.0	0.0
72.5°	111.6	55.2	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	30.1	13.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.2	5.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	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)