

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: P676418

Luminaire Tested: **CCW-SA-1A-740-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676418  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-740-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

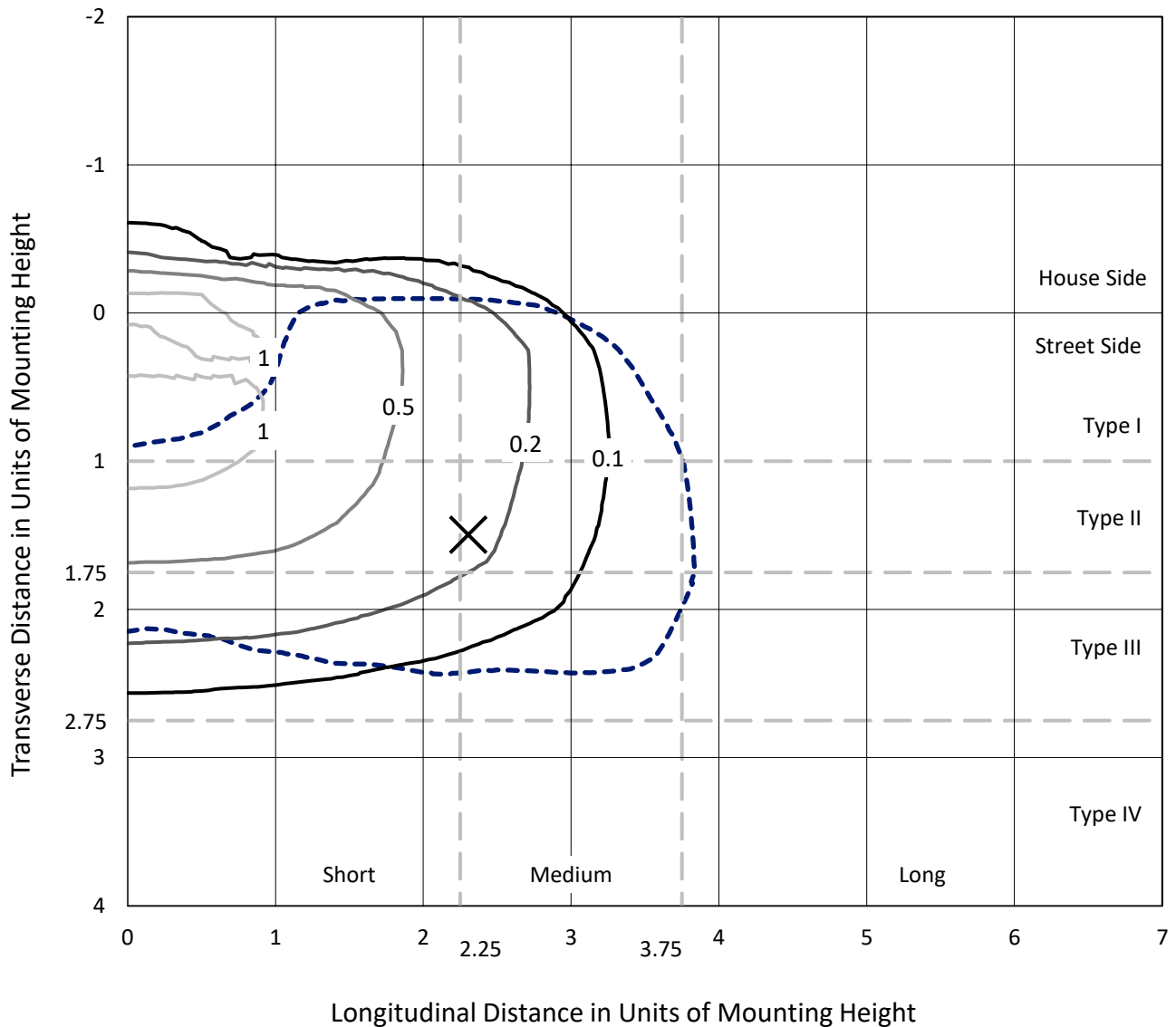
Lumens per Lamp: N/A  
Luminaire Lumens: 1970.9 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

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### Iso-Footcandle Lines of Horizontal Illumination

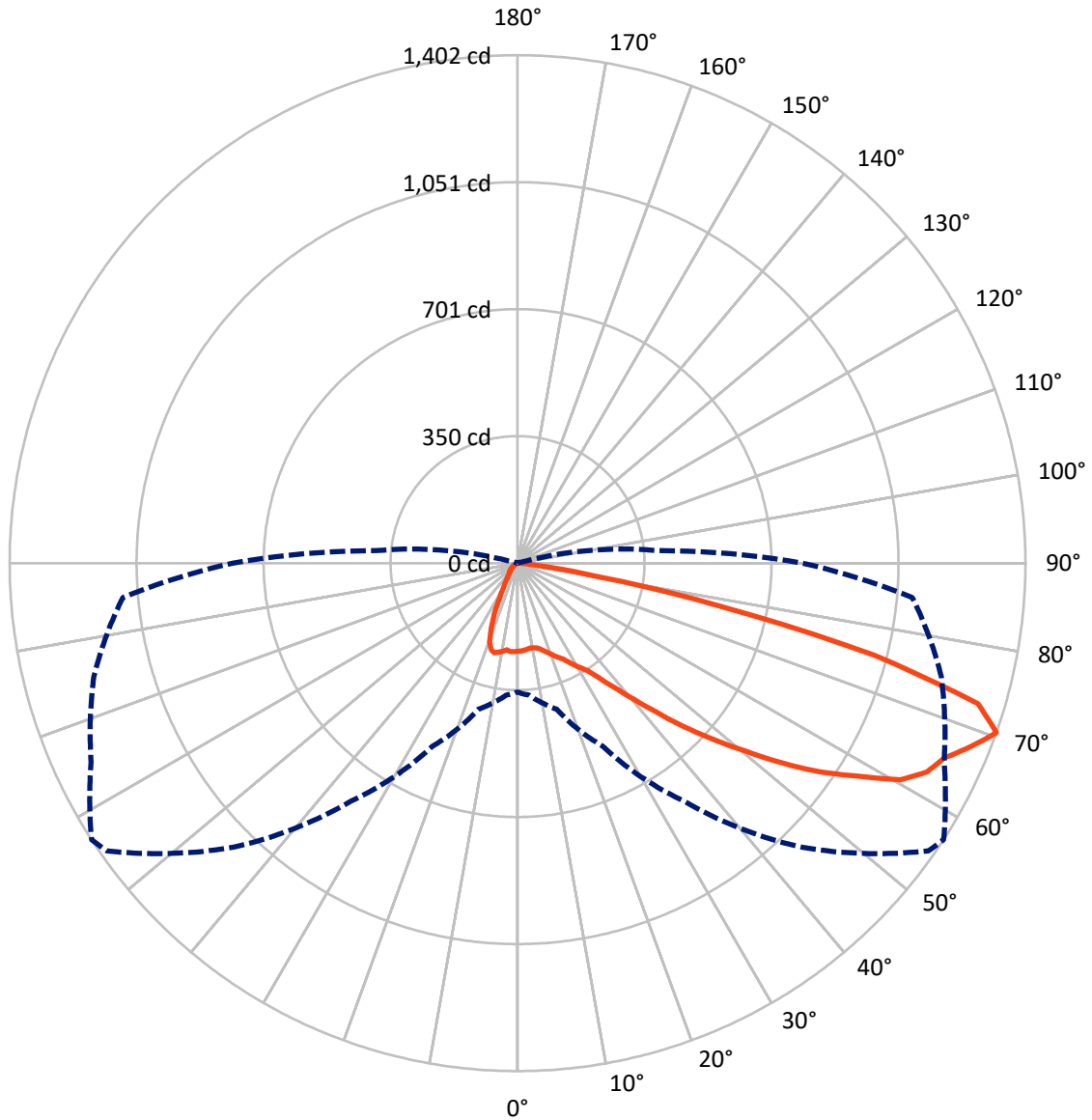
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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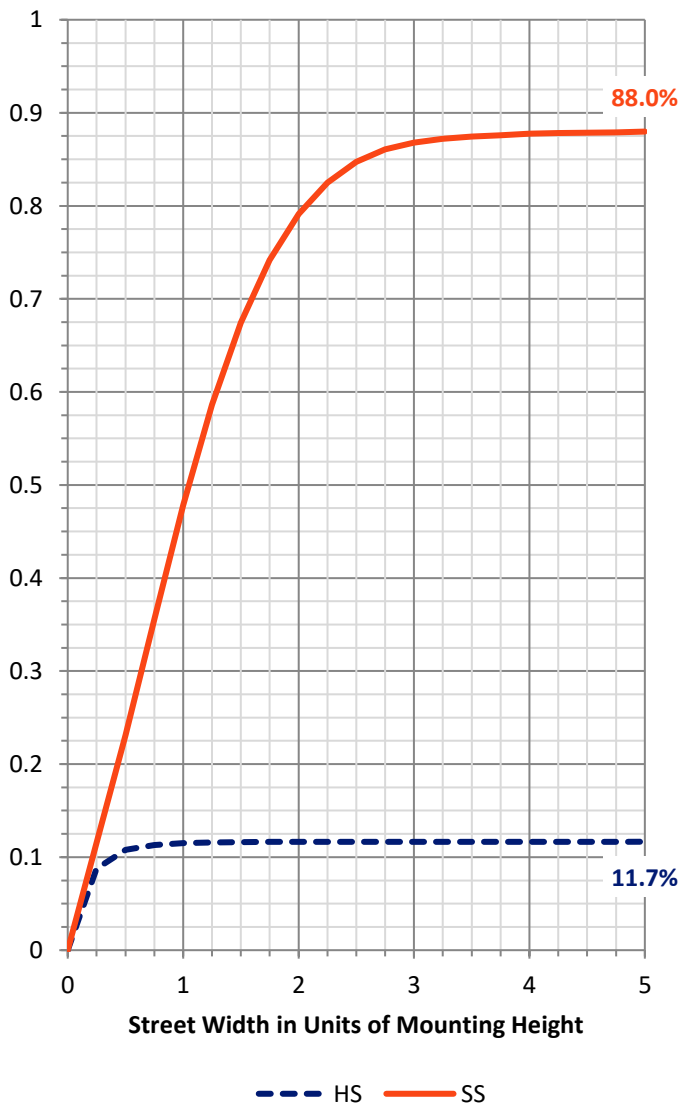
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	232.3	0.0	232.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1738.6	0.0	1738.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	1970.9	0.0	1970.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.7	1.2
10°-20°	63.5	3.2
20°-30°	107.0	5.4
30°-40°	183.2	9.3
40°-50°	307.6	15.6
50°-60°	472.1	24.0
60°-70°	545.1	27.7
70°-80°	257.5	13.1
80°-90°	12.2	0.6
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°	1970.9	100.0
0°-180°	1970.9	100.0

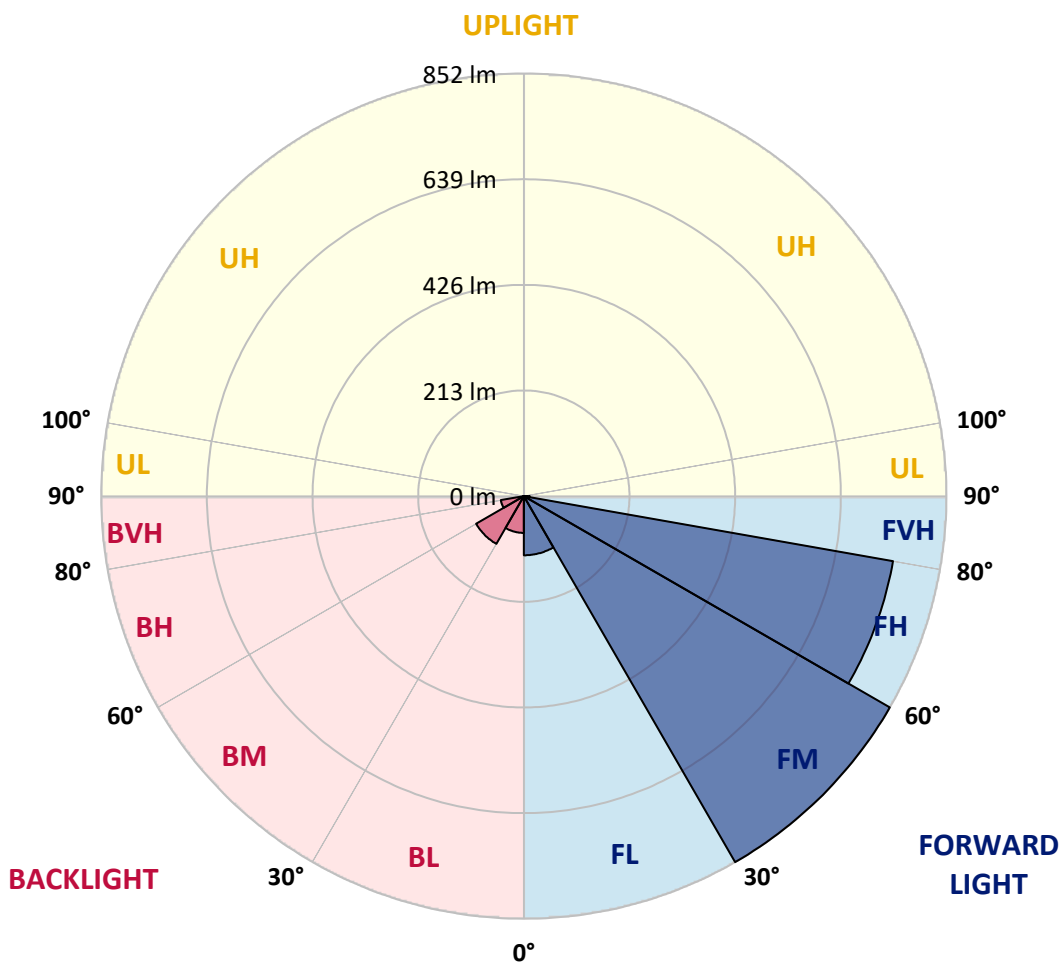


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.2	6.0			
FM (30°-60°)	851.8	43.2			
FH (60°-80°)	755.6	38.3			G1/1800
FVH (80°-90°)	12.0	0.6			G1/100
BL (0°-30°)	74.1	3.8	B0/110		
BM (30°-60°)	111.0	5.6	B0/220		
BH (60°-80°)	47.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2
2.5°	239.7	238.1	239.7	241.7	239.7	241.2	240.7	242.2	240.2	240.2	241.7
5°	224.1	226.6	227.6	230.1	232.6	237.1	240.2	240.2	243.2	244.7	246.7
7.5°	218.5	214.5	218.5	220.5	223.0	230.6	235.1	237.1	241.2	246.7	249.7
10°	210.5	213.5	213.5	220.0	223.5	228.1	236.1	237.6	246.7	252.2	255.3
12.5°	210.0	210.0	212.5	217.0	224.1	232.6	242.7	239.7	249.2	259.3	264.3
15°	211.5	215.0	215.0	221.0	226.6	238.7	247.2	247.7	261.3	271.4	275.9
17.5°	218.0	216.5	218.5	222.0	230.6	242.2	256.3	257.8	273.4	287.0	293.5
20°	231.6	234.1	231.1	229.1	232.6	247.7	265.8	268.9	286.5	299.6	306.1
22.5°	282.5	280.4	268.4	254.3	248.2	255.3	274.9	282.0	302.6	318.2	323.7
25°	339.9	336.3	322.2	301.1	273.4	270.4	293.0	293.0	322.7	339.9	338.3
27.5°	394.2	393.2	376.6	354.5	315.2	293.5	307.6	313.2	345.4	359.5	352.9
30°	449.6	450.6	435.5	408.8	367.5	330.8	328.3	332.8	362.5	384.7	371.1
32.5°	514.1	505.0	494.4	457.7	419.9	378.6	355.0	352.9	381.6	401.8	383.7
35°	571.5	565.9	554.3	521.1	477.8	428.5	395.2	390.2	405.8	432.5	412.9
37.5°	621.8	616.3	601.2	579.0	545.3	490.4	443.6	436.0	442.6	470.8	447.1
40°	665.1	666.6	662.6	640.9	609.7	559.9	506.0	493.9	488.4	513.6	486.9
42.5°	696.3	710.9	711.9	685.2	660.1	632.9	572.5	562.9	549.8	571.0	552.3
45°	761.8	753.7	758.8	749.2	721.5	717.5	649.0	643.5	625.3	632.4	612.7
47.5°	813.1	811.6	821.2	805.6	798.0	798.5	736.1	726.5	700.9	713.9	691.8
50°	842.8	834.8	869.5	881.6	880.1	886.1	824.2	816.2	791.5	810.6	763.3
52.5°	849.9	864.5	897.2	941.0	959.6	972.2	920.4	917.4	890.7	902.8	837.3
55°	867.5	881.6	900.7	972.7	1041.7	1044.7	1015.0	1018.1	994.4	991.4	907.8
57.5°	867.0	864.0	916.9	1000.4	1096.1	1139.4	1123.3	1108.7	1083.0	1053.3	953.1
60°	835.3	833.8	888.7	1004.0	1125.8	1225.0	1231.5	1214.4	1150.0	1106.2	1006.5
62.5°	772.4	778.4	833.8	973.7	1154.0	1255.7	1279.9	1268.3	1188.2	1141.4	1069.4
65°	700.4	687.8	752.2	898.2	1090.6	1246.6	1299.0	1295.0	1233.5	1179.7	1127.3
67.5°	561.9	567.4	616.8	772.9	982.3	1213.4	1343.8	1349.9	1269.8	1213.4	1144.9
70°	356.0	366.0	417.4	558.4	802.1	1108.7	1384.1	1401.7	1298.5	1210.4	1093.6
72.5°	103.7	107.7	177.7	278.4	511.0	889.2	1319.6	1328.7	1242.6	1098.6	845.9
75°	34.2	36.3	52.4	90.6	200.4	459.7	974.8	1017.5	988.9	796.5	483.9
77.5°	22.7	23.7	28.7	43.3	76.0	144.0	522.6	568.4	557.4	373.1	156.1
80°	16.6	17.1	21.1	29.2	46.3	51.9	192.8	223.0	215.5	85.6	31.2
82.5°	10.6	10.6	15.6	20.6	29.2	25.7	55.9	61.9	60.4	32.7	12.1
85°	7.0	7.6	11.6	16.1	16.1	12.1	16.1	18.6	20.1	17.6	5.5
87.5°	2.0	2.5	6.5	11.1	6.5	6.0	5.5	6.0	7.0	9.6	3.0
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°	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2	243.2
2.5°	243.2	245.2	244.7	245.7	244.2	242.7	244.2	244.2	244.2	242.7	241.7
5°	245.2	244.2	245.2	243.2	245.2	243.2	242.2	239.2	238.7	238.7	240.7
7.5°	248.2	249.2	244.7	244.7	240.2	241.2	238.7	239.2	238.1	236.6	235.6
10°	252.8	256.8	252.2	250.7	245.7	241.7	235.6	232.6	232.6	230.6	232.6
12.5°	265.3	263.8	261.3	256.3	250.2	242.2	227.6	213.0	200.9	191.8	196.4
15°	275.4	274.9	271.4	261.8	253.8	229.1	192.3	154.6	134.4	125.4	123.9
17.5°	291.0	289.5	283.5	270.9	244.2	189.8	131.9	100.2	80.6	76.0	74.5
20°	305.6	305.1	292.0	275.9	220.0	138.5	86.1	66.0	60.4	60.9	59.9
22.5°	321.2	318.7	303.1	269.9	175.2	92.1	61.4	58.9	56.9	56.4	57.4
25°	338.8	329.8	314.2	256.3	128.9	63.4	57.9	55.9	53.9	53.4	53.4
27.5°	345.9	339.9	319.2	223.5	81.6	55.4	54.4	51.9	49.3	47.8	47.3
30°	362.0	351.9	324.2	175.7	57.9	50.9	49.3	46.3	42.8	40.3	40.3
32.5°	378.1	366.0	324.7	122.9	48.3	45.8	43.3	39.3	34.7	32.2	32.7
35°	398.3	381.6	319.2	79.6	43.3	40.3	35.2	30.7	26.7	24.7	24.7
37.5°	432.5	416.9	296.6	52.4	39.3	34.2	29.2	24.2	20.6	19.1	19.1
40°	475.8	455.7	265.3	41.3	34.7	29.2	23.2	18.6	16.6	15.1	15.1
42.5°	527.7	502.5	219.0	36.8	30.7	24.2	18.1	14.6	12.6	12.6	12.1
45°	579.5	538.2	171.7	33.7	27.2	20.1	14.1	11.6	10.6	10.1	10.1
47.5°	653.5	581.5	122.9	30.7	23.7	15.6	11.6	9.6	8.6	8.1	8.6
50°	724.5	622.3	87.1	27.7	19.6	12.6	9.6	8.6	7.6	7.0	7.0
52.5°	787.0	650.5	60.9	24.2	16.6	10.6	8.6	7.6	7.0	6.5	6.5
55°	821.2	640.9	41.8	20.6	13.6	9.1	7.6	6.5	6.0	5.5	5.5
57.5°	856.4	614.3	31.7	17.1	11.1	8.6	7.0	6.0	5.5	5.0	5.0
60°	886.1	594.6	24.7	13.6	9.1	7.0	6.0	5.0	4.5	4.0	3.5
62.5°	887.6	555.3	18.1	10.1	7.0	6.0	5.0	4.0	2.5	2.0	1.5
65°	893.7	514.1	13.1	7.6	5.0	4.5	3.5	2.0	1.0	0.0	0.0
67.5°	872.5	465.2	10.6	5.5	3.5	2.5	1.5	0.5	0.0	0.0	0.0
70°	786.4	392.7	8.1	4.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	562.9	255.3	5.5	3.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	300.1	108.8	4.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	94.2	27.7	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	20.6	7.6	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.5	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)