

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: P676376

Luminaire Tested: **CCW-SA-1C-722-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676376
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399.2 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

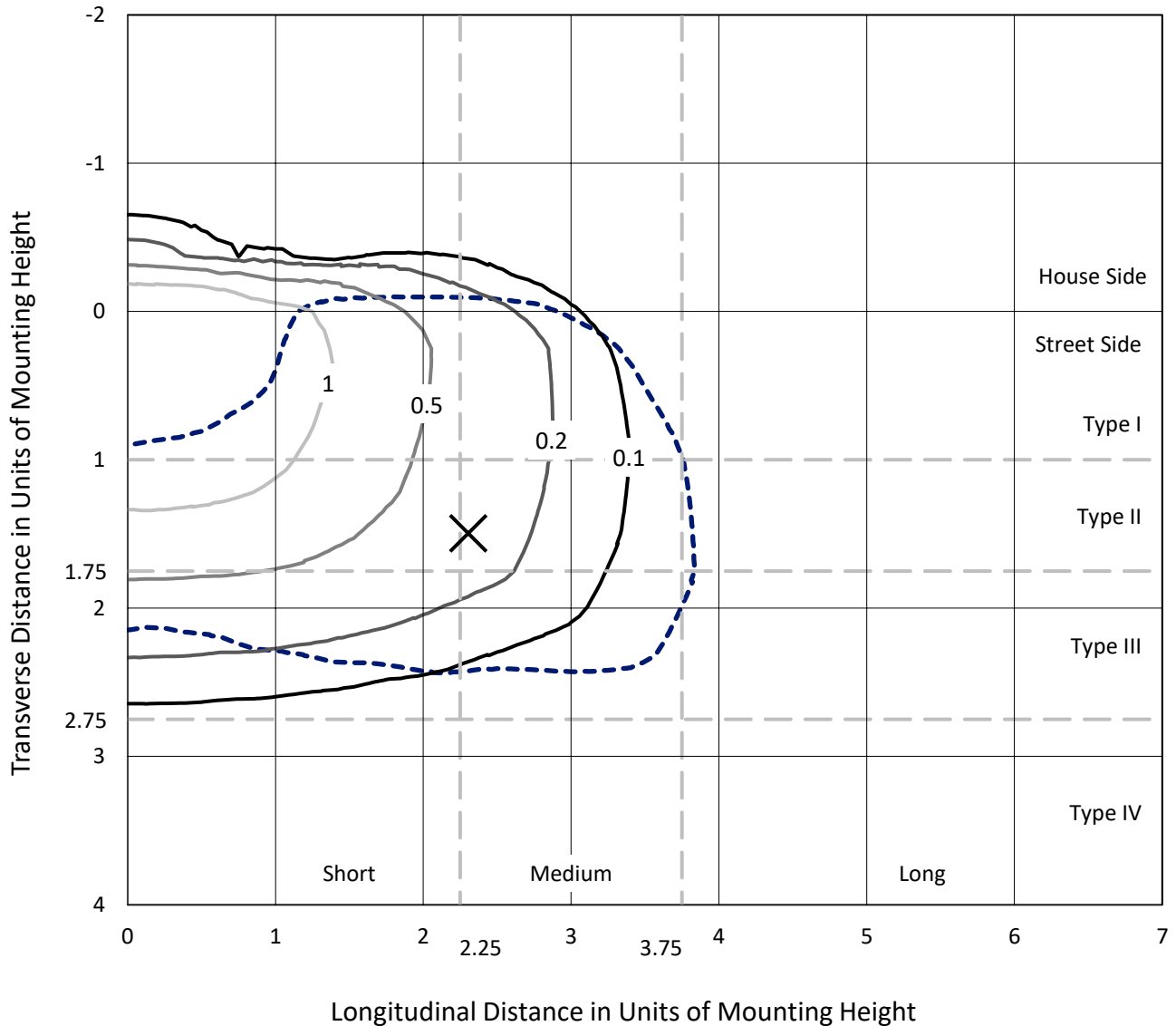
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

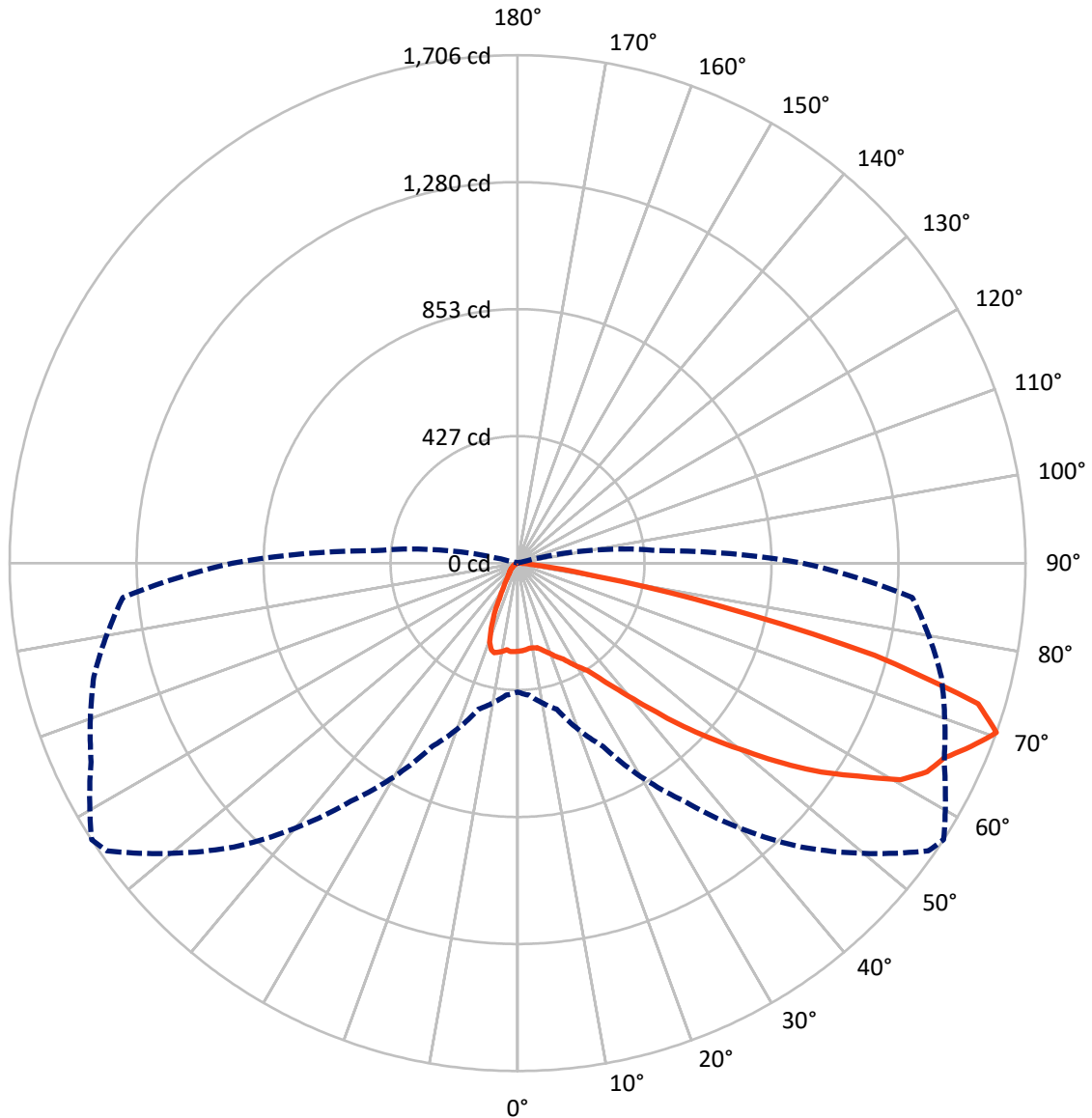
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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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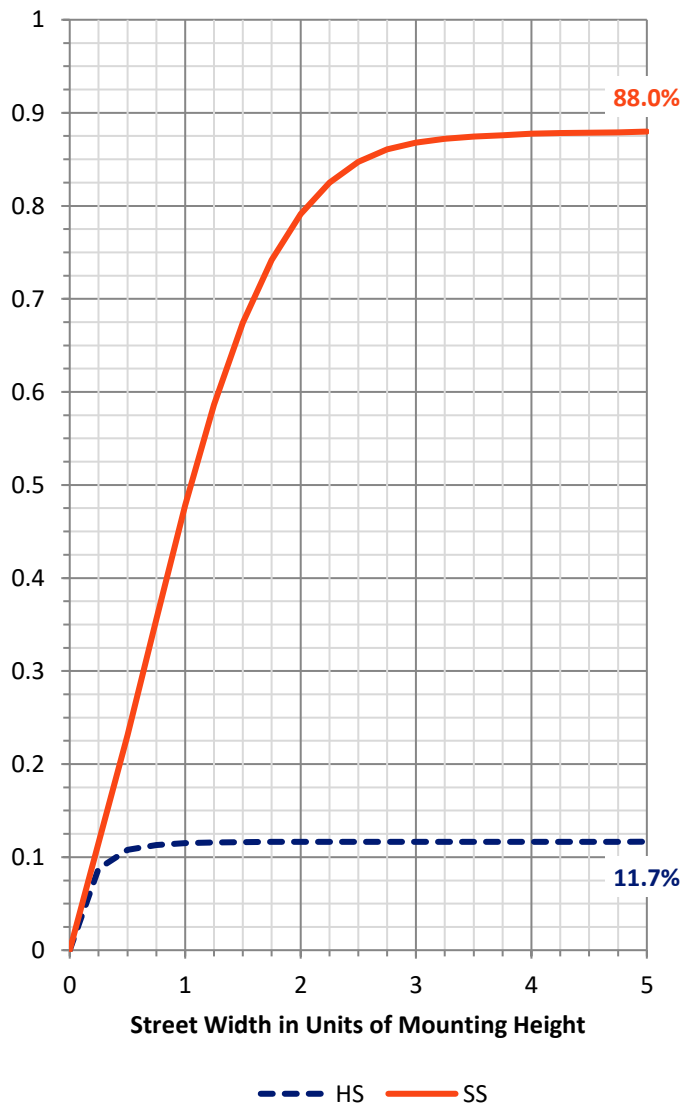
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.8	0.0	282.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2116.4	0.0	2116.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	2399.2	0.0	2399.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	1.2
10°-20°	77.3	3.2
20°-30°	130.3	5.4
30°-40°	223.0	9.3
40°-50°	374.4	15.6
50°-60°	574.7	24.0
60°-70°	663.5	27.7
70°-80°	313.4	13.1
80°-90°	14.9	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°	2399.2	100.0
0°-180°	2399.2	100.0

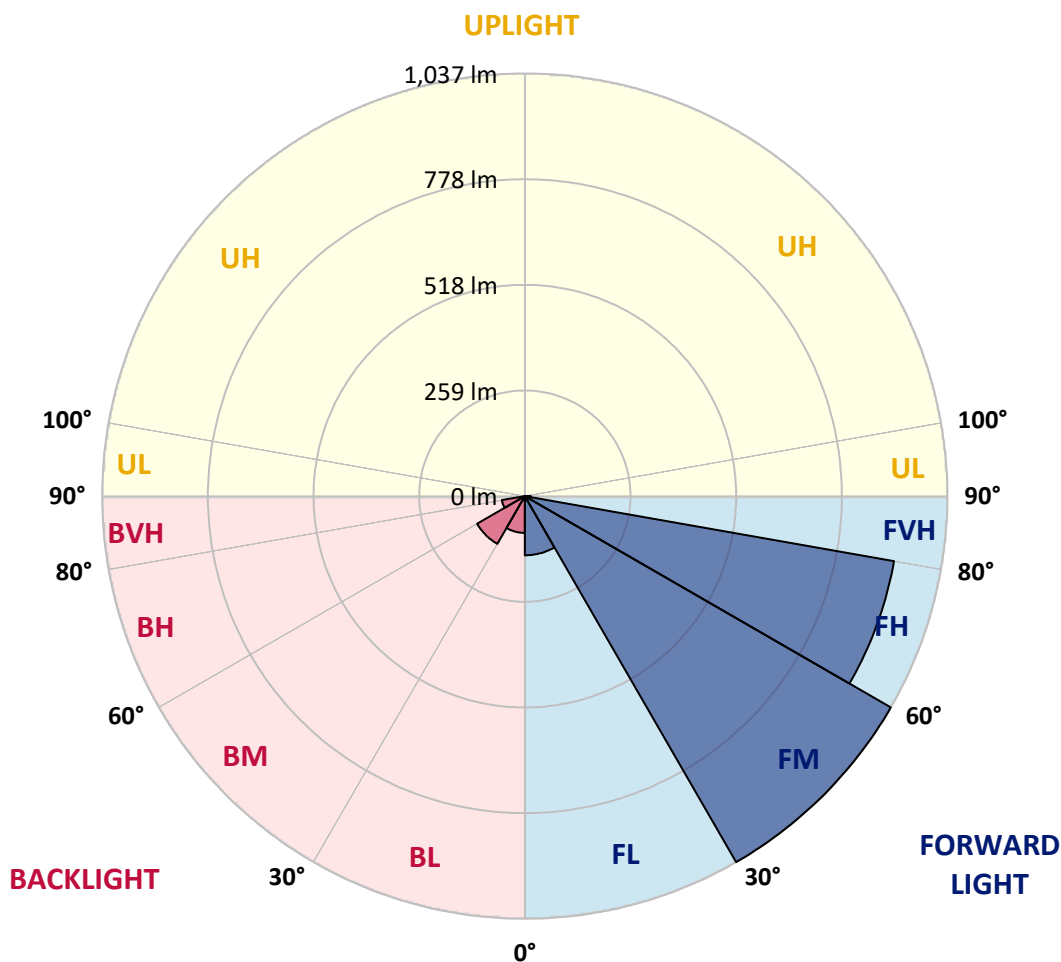


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.1	6.0			
FM (30°-60°)	1036.9	43.2			
FH (60°-80°)	919.8	38.3			G1/1800
FVH (80°-90°)	14.6	0.6			G1/100
BL (0°-30°)	90.2	3.8	B0/110		
BM (30°-60°)	135.2	5.6	B0/220		
BH (60°-80°)	57.2	2.4	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0
2.5°	291.7	289.9	291.7	294.2	291.7	293.6	293.0	294.8	292.4	292.4	294.2
5°	272.7	275.8	277.0	280.1	283.2	288.7	292.4	292.4	296.0	297.9	300.3
7.5°	266.0	261.1	266.0	268.5	271.5	280.7	286.2	288.7	293.6	300.3	304.0
10°	256.2	259.9	259.9	267.8	272.1	277.6	287.5	289.3	300.3	307.1	310.7
12.5°	255.6	255.6	258.6	264.2	272.7	283.2	295.4	291.7	303.4	315.6	321.8
15°	257.4	261.7	261.7	269.1	275.8	290.5	300.9	301.5	318.1	330.4	335.9
17.5°	265.4	263.5	266.0	270.3	280.7	294.8	312.0	313.8	332.8	349.4	357.3
20°	281.9	285.0	281.3	278.9	283.2	301.5	323.6	327.3	348.7	364.7	372.6
22.5°	343.8	341.4	326.7	309.5	302.2	310.7	334.6	343.2	368.4	387.4	394.1
25°	413.7	409.4	392.3	366.5	332.8	329.1	356.7	356.7	392.9	413.7	411.9
27.5°	479.9	478.7	458.5	431.5	383.7	357.3	374.5	381.2	420.5	437.6	429.6
30°	547.3	548.6	530.2	497.7	447.4	402.7	399.6	405.1	441.3	468.3	451.7
32.5°	625.8	614.7	601.9	557.1	511.2	460.9	432.1	429.6	464.6	489.1	467.0
35°	695.6	688.9	674.8	634.4	581.6	521.6	481.1	475.0	494.0	526.5	502.6
37.5°	756.9	750.2	731.8	704.8	663.8	597.0	540.0	530.8	538.7	573.1	544.3
40°	809.6	811.5	806.6	780.2	742.2	681.6	616.0	601.3	594.5	625.2	592.7
42.5°	847.6	865.4	866.6	834.2	803.5	770.4	696.9	685.2	669.3	695.0	672.4
45°	927.3	917.5	923.6	912.0	878.3	873.4	790.0	783.3	761.2	769.8	745.9
47.5°	989.8	988.0	999.7	980.7	971.5	972.1	896.1	884.4	853.2	869.1	842.1
50°	1026.0	1016.2	1058.5	1073.2	1071.4	1078.7	1003.3	993.5	963.5	986.8	929.2
52.5°	1034.6	1052.4	1092.2	1145.5	1168.2	1183.5	1120.4	1116.7	1084.2	1098.9	1019.3
55°	1056.0	1073.2	1096.5	1184.1	1268.1	1271.8	1235.6	1239.3	1210.5	1206.8	1105.1
57.5°	1055.4	1051.7	1116.1	1217.8	1334.3	1387.0	1367.4	1349.6	1318.4	1282.2	1160.2
60°	1016.8	1015.0	1081.8	1222.1	1370.5	1491.2	1499.2	1478.3	1399.9	1346.6	1225.2
62.5°	940.2	947.6	1015.0	1185.4	1404.8	1528.6	1558.0	1543.9	1446.5	1389.5	1301.8
65°	852.6	837.2	915.7	1093.4	1327.6	1517.6	1581.3	1576.4	1501.6	1436.0	1372.3
67.5°	684.0	690.7	750.8	940.8	1195.8	1477.1	1635.8	1643.2	1545.7	1477.1	1393.7
70°	433.3	445.6	508.1	679.7	976.4	1349.6	1684.9	1706.3	1580.7	1473.4	1331.2
72.5°	126.3	131.2	216.4	338.9	622.1	1082.4	1606.4	1617.5	1512.7	1337.4	1029.7
75°	41.7	44.1	63.7	110.3	243.9	559.6	1186.6	1238.7	1203.7	969.6	589.0
77.5°	27.6	28.8	34.9	52.7	92.5	175.3	636.2	692.0	678.5	454.2	190.0
80°	20.2	20.8	25.7	35.5	56.4	63.1	234.7	271.5	262.3	104.2	38.0
82.5°	12.9	12.9	19.0	25.1	35.5	31.3	68.0	75.4	73.5	39.8	14.7
85°	8.6	9.2	14.1	19.6	19.6	14.7	19.6	22.7	24.5	21.5	6.7
87.5°	2.5	3.1	8.0	13.5	8.0	7.4	6.7	7.4	8.6	11.6	3.7
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°	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0
2.5°	296.0	298.5	297.9	299.1	297.3	295.4	297.3	297.3	297.3	295.4	294.2
5°	298.5	297.3	298.5	296.0	298.5	296.0	294.8	291.1	290.5	290.5	293.0
7.5°	302.2	303.4	297.9	297.9	292.4	293.6	290.5	291.1	289.9	288.1	286.8
10°	307.7	312.6	307.1	305.2	299.1	294.2	286.8	283.2	283.2	280.7	283.2
12.5°	323.0	321.2	318.1	312.0	304.6	294.8	277.0	259.3	244.5	233.5	239.0
15°	335.3	334.6	330.4	318.7	308.9	278.9	234.1	188.2	163.6	152.6	150.8
17.5°	354.3	352.4	345.1	329.7	297.3	231.1	160.6	122.0	98.1	92.5	90.7
20°	372.0	371.4	355.5	335.9	267.8	168.5	104.8	80.3	73.5	74.2	72.9
22.5°	391.0	388.0	369.0	328.5	213.3	112.2	74.8	71.7	69.3	68.6	69.9
25°	412.5	401.5	382.5	312.0	156.9	77.2	70.5	68.0	65.6	65.0	65.0
27.5°	421.1	413.7	388.6	272.1	99.3	67.4	66.2	63.1	60.1	58.2	57.6
30°	440.7	428.4	394.7	213.9	70.5	61.9	60.1	56.4	52.1	49.0	49.0
32.5°	460.3	445.6	395.3	149.5	58.8	55.8	52.7	47.8	42.3	39.2	39.8
35°	484.8	464.6	388.6	96.8	52.7	49.0	42.9	37.4	32.5	30.0	30.0
37.5°	526.5	507.5	361.0	63.7	47.8	41.7	35.5	29.4	25.1	23.3	23.3
40°	579.2	554.7	323.0	50.3	42.3	35.5	28.2	22.7	20.2	18.4	18.4
42.5°	642.3	611.7	266.6	44.7	37.4	29.4	22.1	17.8	15.3	15.3	14.7
45°	705.5	655.2	209.0	41.1	33.1	24.5	17.2	14.1	12.9	12.3	12.3
47.5°	795.6	707.9	149.5	37.4	28.8	19.0	14.1	11.6	10.4	9.8	10.4
50°	882.0	757.6	106.0	33.7	23.9	15.3	11.6	10.4	9.2	8.6	8.6
52.5°	958.0	791.9	74.2	29.4	20.2	12.9	10.4	9.2	8.6	8.0	8.0
55°	999.7	780.2	50.9	25.1	16.5	11.0	9.2	8.0	7.4	6.7	6.7
57.5°	1042.6	747.7	38.6	20.8	13.5	10.4	8.6	7.4	6.7	6.1	6.1
60°	1078.7	723.8	30.0	16.5	11.0	8.6	7.4	6.1	5.5	4.9	4.3
62.5°	1080.6	676.0	22.1	12.3	8.6	7.4	6.1	4.9	3.1	2.5	1.8
65°	1087.9	625.8	15.9	9.2	6.1	5.5	4.3	2.5	1.2	0.0	0.0
67.5°	1062.2	566.3	12.9	6.7	4.3	3.1	1.8	0.6	0.0	0.0	0.0
70°	957.4	478.1	9.8	4.9	3.1	1.8	0.6	0.0	0.0	0.0	0.0
72.5°	685.2	310.7	6.7	3.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0
75°	365.3	132.4	4.9	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	114.6	33.7	3.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.1	9.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.6	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.6	0.6	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)