

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: P676397

Luminaire Tested: **CCW-SA-1B-730-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676397
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

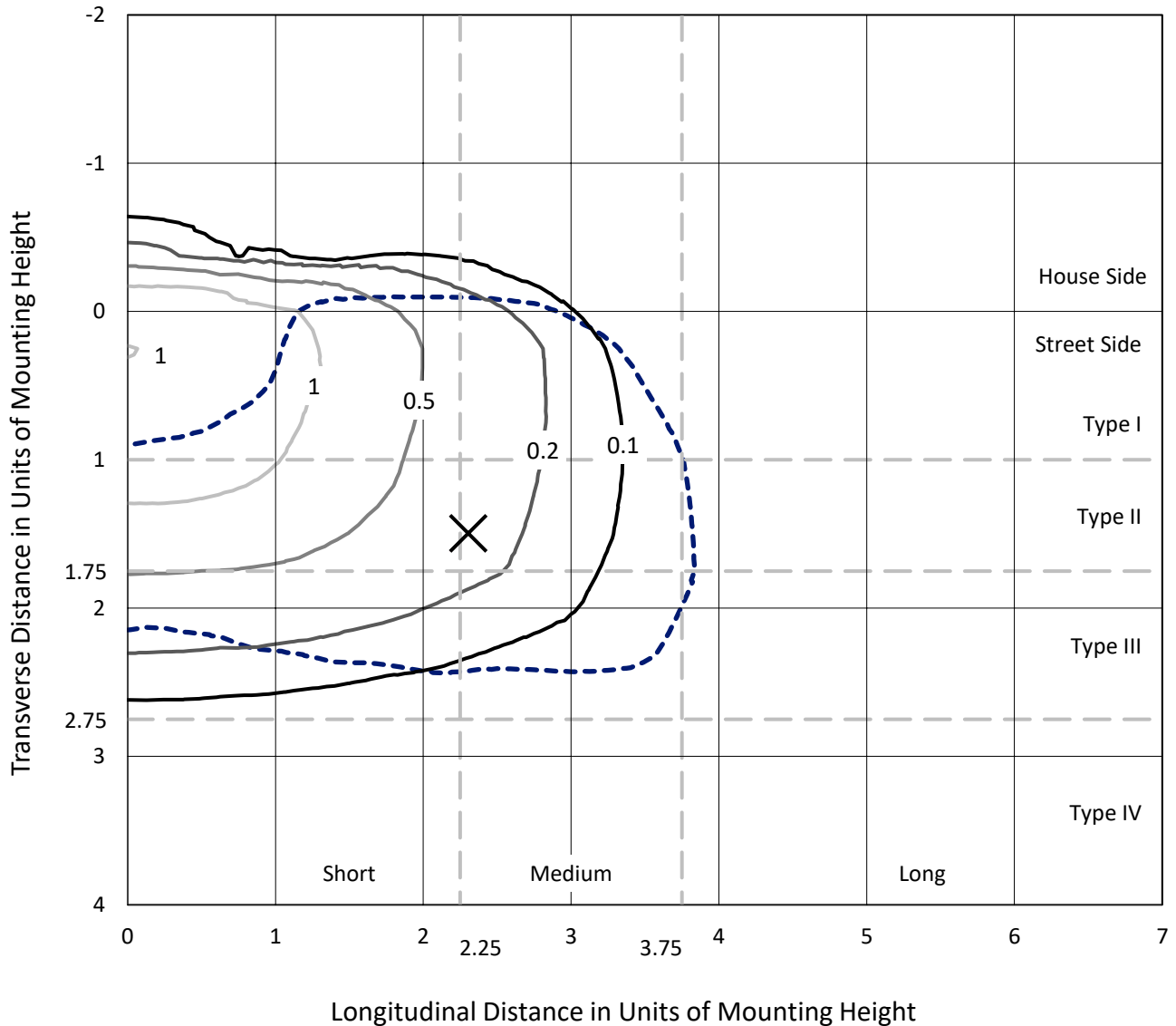
Lumens per Lamp: N/A
Luminaire Lumens: 2265.6 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

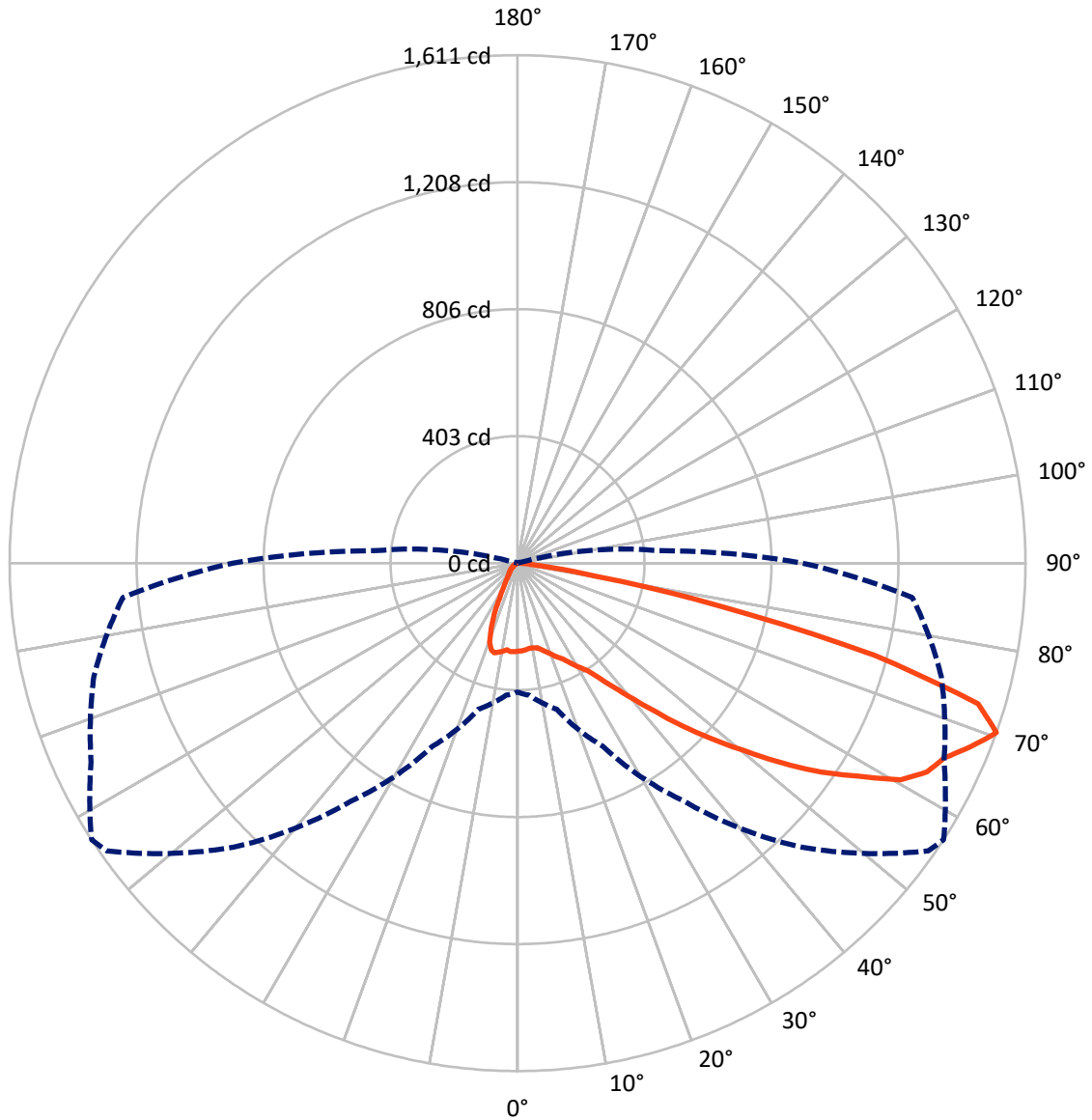
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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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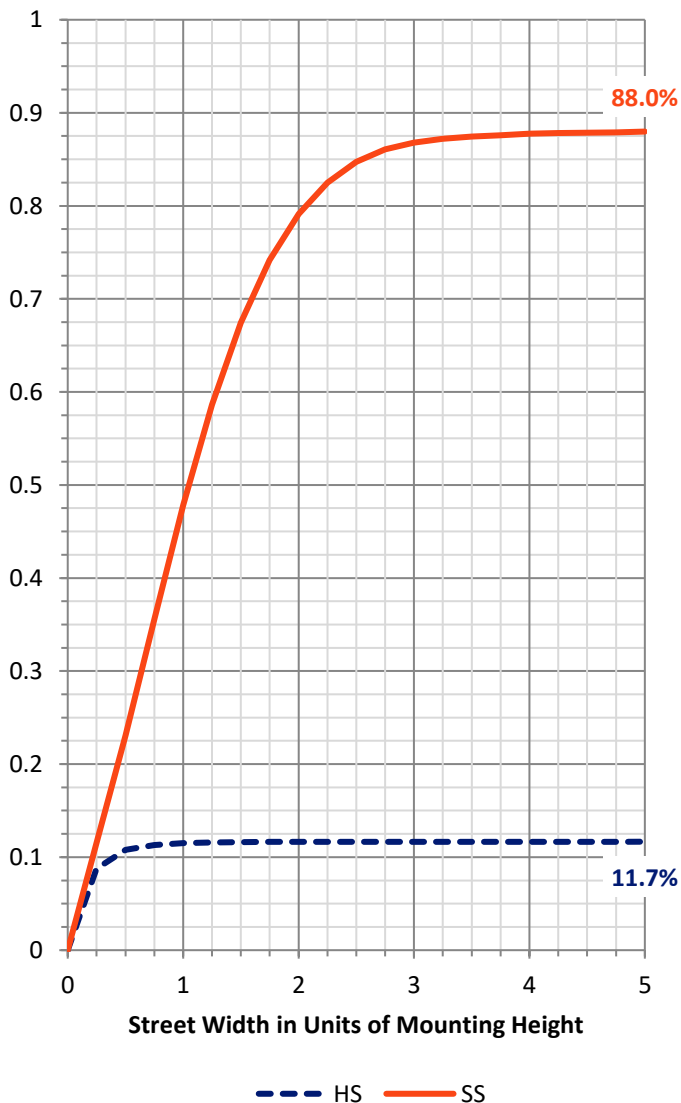
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	267.1	0.0	267.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1998.5	0.0	1998.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	2265.6	0.0	2265.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.2
10°-20°	73.0	3.2
20°-30°	123.0	5.4
30°-40°	210.6	9.3
40°-50°	353.6	15.6
50°-60°	542.7	24.0
60°-70°	626.6	27.7
70°-80°	296.0	13.1
80°-90°	14.0	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°	2265.6	100.0
0°-180°	2265.6	100.0

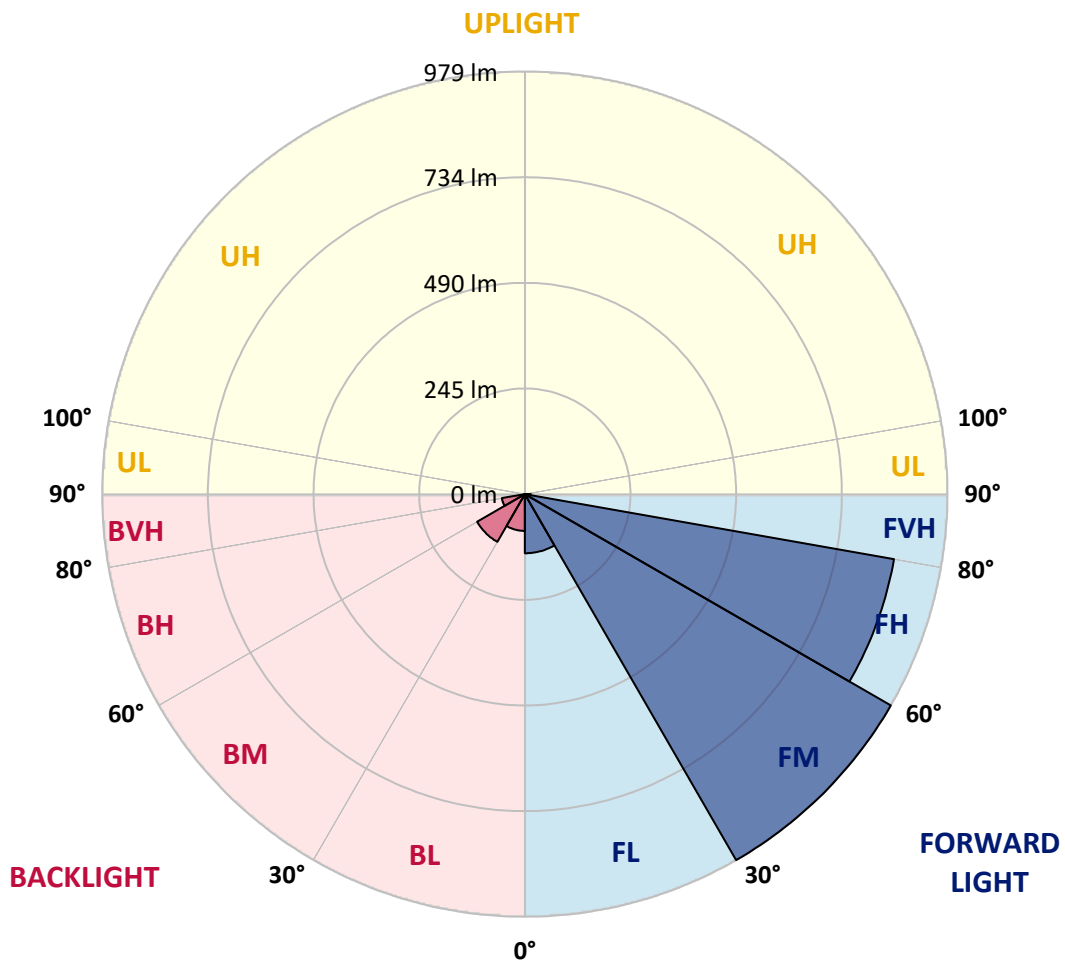


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.1	6.0			
FM (30°-60°)	979.1	43.2			
FH (60°-80°)	868.5	38.3			G1/1800
FVH (80°-90°)	13.8	0.6			G1/100
BL (0°-30°)	85.1	3.8	B0/110		
BM (30°-60°)	127.7	5.6	B0/220		
BH (60°-80°)	54.0	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°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	275.5	273.8	275.5	277.8	275.5	277.2	276.6	278.4	276.1	276.1	277.8
5°	257.6	260.4	261.6	264.5	267.4	272.6	276.1	276.1	279.5	281.3	283.6
7.5°	251.2	246.6	251.2	253.5	256.4	265.1	270.3	272.6	277.2	283.6	287.1
10°	241.9	245.4	245.4	252.9	257.0	262.2	271.4	273.2	283.6	290.0	293.4
12.5°	241.3	241.3	244.2	249.4	257.6	267.4	279.0	275.5	286.5	298.1	303.9
15°	243.1	247.1	247.1	254.1	260.4	274.3	284.2	284.8	300.4	312.0	317.2
17.5°	250.6	248.9	251.2	255.2	265.1	278.4	294.6	296.3	314.3	329.9	337.4
20°	266.2	269.1	265.7	263.3	267.4	284.8	305.6	309.1	329.3	344.4	351.9
22.5°	324.7	322.4	308.5	292.3	285.3	293.4	316.0	324.1	347.8	365.8	372.1
25°	390.7	386.6	370.4	346.1	314.3	310.8	336.8	336.8	371.0	390.7	388.9
27.5°	453.2	452.0	432.9	407.5	362.3	337.4	353.6	360.0	397.0	413.2	405.7
30°	516.8	518.0	500.6	470.0	422.5	380.2	377.4	382.6	416.7	442.2	426.6
32.5°	590.9	580.5	568.3	526.1	482.7	435.2	408.0	405.7	438.7	461.9	441.0
35°	656.9	650.5	637.2	599.0	549.2	492.5	454.3	448.5	466.5	497.2	474.6
37.5°	714.8	708.4	691.0	665.6	626.8	563.7	509.9	501.2	508.7	541.1	513.9
40°	764.5	766.3	761.7	736.8	700.9	643.6	581.7	567.8	561.4	590.3	559.7
42.5°	800.4	817.2	818.4	787.7	758.8	727.5	658.1	647.1	632.0	656.3	634.9
45°	875.7	866.4	872.2	861.2	829.4	824.7	746.0	739.7	718.8	726.9	704.4
47.5°	934.7	933.0	944.0	926.0	917.3	917.9	846.2	835.2	805.6	820.7	795.2
50°	968.9	959.6	999.5	1013.4	1011.7	1018.6	947.4	938.2	909.8	931.8	877.4
52.5°	977.0	993.7	1031.4	1081.7	1103.1	1117.6	1058.0	1054.5	1023.8	1037.7	962.5
55°	997.2	1013.4	1035.4	1118.2	1197.5	1200.9	1166.8	1170.3	1143.1	1139.6	1043.5
57.5°	996.6	993.2	1053.9	1150.0	1260.0	1309.7	1291.2	1274.4	1244.9	1210.8	1095.6
60°	960.2	958.4	1021.5	1154.1	1294.1	1408.1	1415.7	1396.0	1321.9	1271.5	1157.0
62.5°	887.8	894.8	958.4	1119.3	1326.5	1443.4	1471.2	1457.9	1365.9	1312.1	1229.3
65°	805.1	790.6	864.7	1032.5	1253.6	1433.0	1493.2	1488.6	1418.0	1356.0	1295.9
67.5°	645.9	652.3	709.0	888.4	1129.2	1394.8	1544.7	1551.7	1459.6	1394.8	1316.1
70°	409.2	420.8	479.8	641.9	922.0	1274.4	1591.0	1611.3	1492.6	1391.4	1257.1
72.5°	119.2	123.9	204.3	320.1	587.4	1022.1	1516.9	1527.4	1428.4	1262.9	972.3
75°	39.4	41.7	60.2	104.2	230.3	528.4	1120.5	1169.7	1136.7	915.6	556.2
77.5°	26.0	27.2	33.0	49.8	87.4	165.5	600.8	653.4	640.7	428.9	179.4
80°	19.1	19.7	24.3	33.6	53.2	59.6	221.7	256.4	247.7	98.4	35.9
82.5°	12.2	12.2	17.9	23.7	33.6	29.5	64.2	71.2	69.5	37.6	13.9
85°	8.1	8.7	13.3	18.5	18.5	13.9	18.5	21.4	23.2	20.3	6.4
87.5°	2.3	2.9	7.5	12.7	7.5	6.9	6.4	6.9	8.1	11.0	3.5
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°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	279.5	281.9	281.3	282.4	280.7	279.0	280.7	280.7	280.7	279.0	277.8
5°	281.9	280.7	281.9	279.5	281.9	279.5	278.4	274.9	274.3	274.3	276.6
7.5°	285.3	286.5	281.3	281.3	276.1	277.2	274.3	274.9	273.8	272.0	270.9
10°	290.5	295.2	290.0	288.2	282.4	277.8	270.9	267.4	267.4	265.1	267.4
12.5°	305.0	303.3	300.4	294.6	287.6	278.4	261.6	244.8	230.9	220.5	225.7
15°	316.6	316.0	312.0	301.0	291.7	263.3	221.1	177.7	154.5	144.1	142.4
17.5°	334.5	332.8	325.8	311.4	280.7	218.2	151.6	115.2	92.6	87.4	85.7
20°	351.3	350.7	335.7	317.2	252.9	159.2	99.0	75.8	69.5	70.0	68.9
22.5°	369.3	366.4	348.4	310.2	201.4	105.9	70.6	67.7	65.4	64.8	66.0
25°	389.5	379.1	361.1	294.6	148.2	72.9	66.6	64.2	61.9	61.3	61.3
27.5°	397.6	390.7	366.9	257.0	93.8	63.7	62.5	59.6	56.7	55.0	54.4
30°	416.1	404.6	372.7	202.0	66.6	58.5	56.7	53.2	49.2	46.3	46.3
32.5°	434.7	420.8	373.3	141.2	55.6	52.7	49.8	45.1	39.9	37.0	37.6
35°	457.8	438.7	366.9	91.4	49.8	46.3	40.5	35.3	30.7	28.4	28.4
37.5°	497.2	479.2	340.9	60.2	45.1	39.4	33.6	27.8	23.7	22.0	22.0
40°	546.9	523.8	305.0	47.5	39.9	33.6	26.6	21.4	19.1	17.4	17.4
42.5°	606.5	577.6	251.8	42.2	35.3	27.8	20.8	16.8	14.5	14.5	13.9
45°	666.2	618.7	197.4	38.8	31.3	23.2	16.2	13.3	12.2	11.6	11.6
47.5°	751.2	668.5	141.2	35.3	27.2	17.9	13.3	11.0	9.8	9.3	9.8
50°	832.8	715.4	100.1	31.8	22.6	14.5	11.0	9.8	8.7	8.1	8.1
52.5°	904.6	747.8	70.0	27.8	19.1	12.2	9.8	8.7	8.1	7.5	7.5
55°	944.0	736.8	48.0	23.7	15.6	10.4	8.7	7.5	6.9	6.4	6.4
57.5°	984.5	706.1	36.5	19.7	12.7	9.8	8.1	6.9	6.4	5.8	5.8
60°	1018.6	683.5	28.4	15.6	10.4	8.1	6.9	5.8	5.2	4.6	4.1
62.5°	1020.4	638.4	20.8	11.6	8.1	6.9	5.8	4.6	2.9	2.3	1.7
65°	1027.3	590.9	15.0	8.7	5.8	5.2	4.1	2.3	1.2	0.0	0.0
67.5°	1003.0	534.8	12.2	6.4	4.1	2.9	1.7	0.6	0.0	0.0	0.0
70°	904.0	451.4	9.3	4.6	2.9	1.7	0.6	0.0	0.0	0.0	0.0
72.5°	647.1	293.4	6.4	3.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0
75°	344.9	125.0	4.6	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	108.2	31.8	2.9	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	23.7	8.7	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	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)