

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: P676584

Luminaire Tested: **CCW-SA-1A-760-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676584
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-760-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

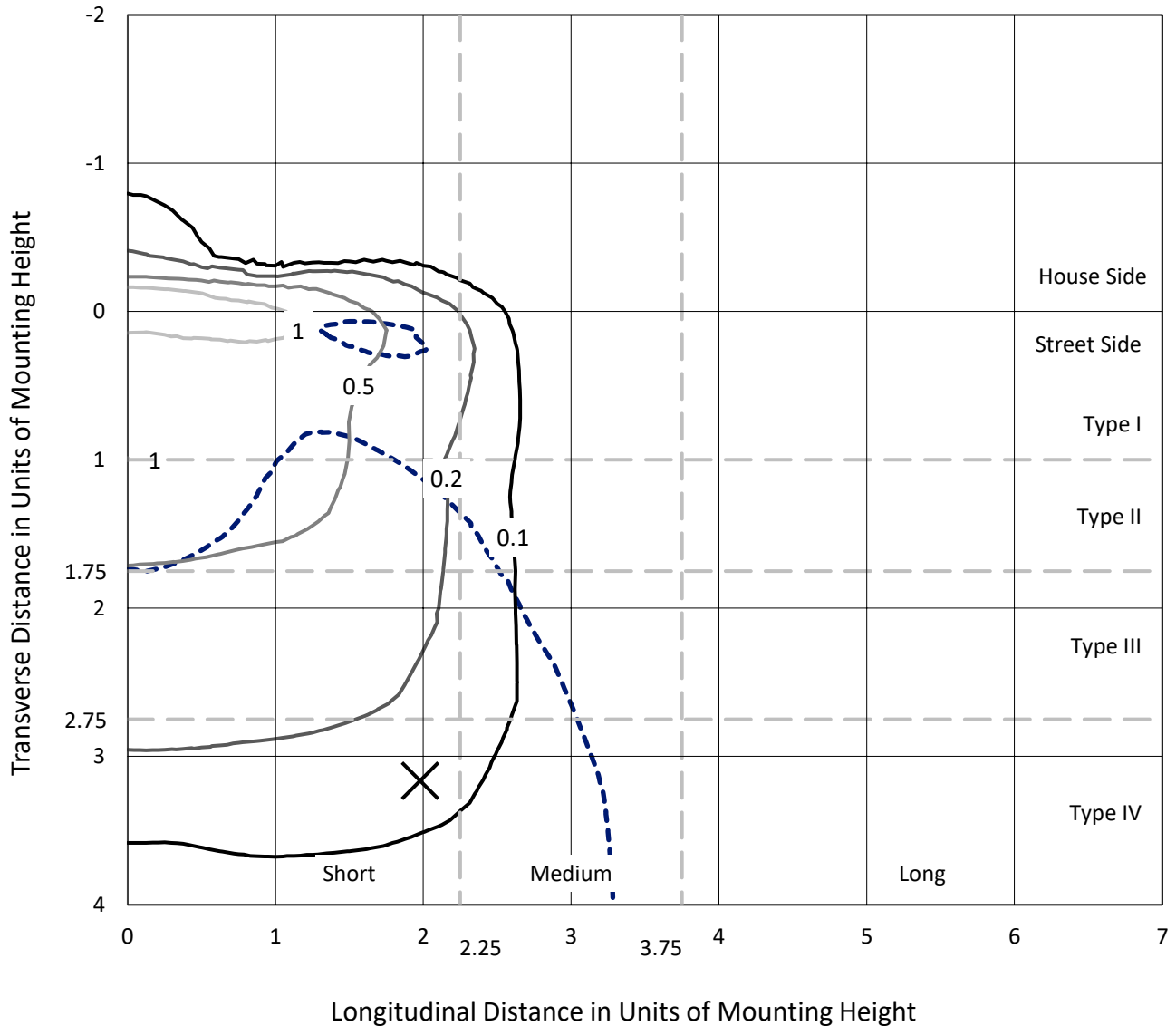
Lumens per Lamp: N/A
Luminaire Lumens: 2009.4 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

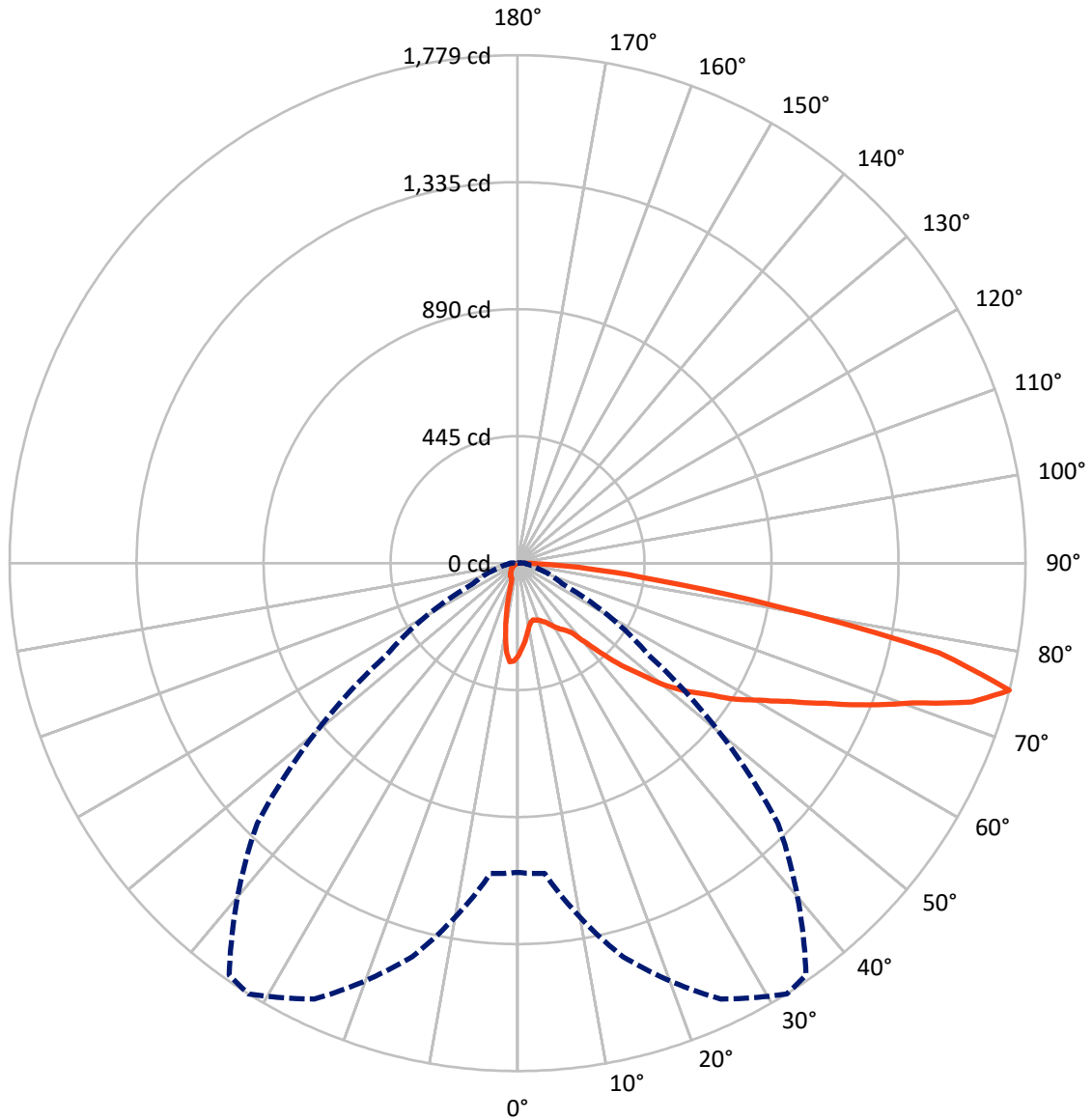
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type 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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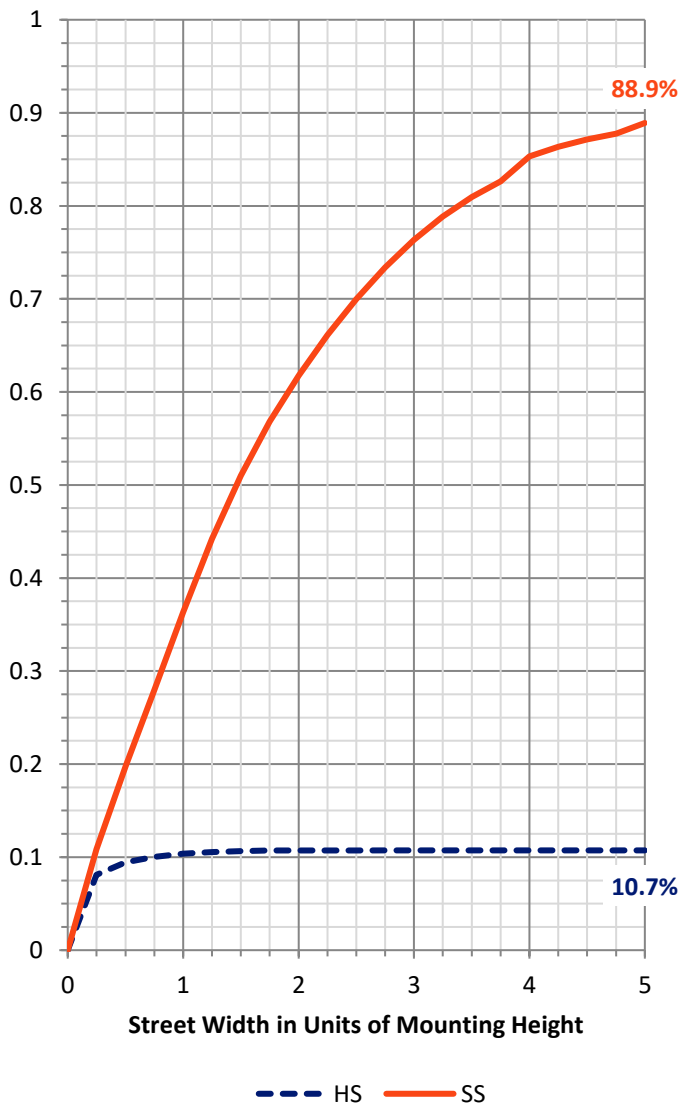
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	217.1	0.0	217.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1792.3	0.0	1792.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	2009.4	0.0	2009.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.4
10°-20°	64.7	3.2
20°-30°	96.9	4.8
30°-40°	148.8	7.4
40°-50°	260.2	12.9
50°-60°	406.7	20.2
60°-70°	525.8	26.2
70°-80°	428.2	21.3
80°-90°	49.6	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°	2009.4	100.0
0°-180°	2009.4	100.0

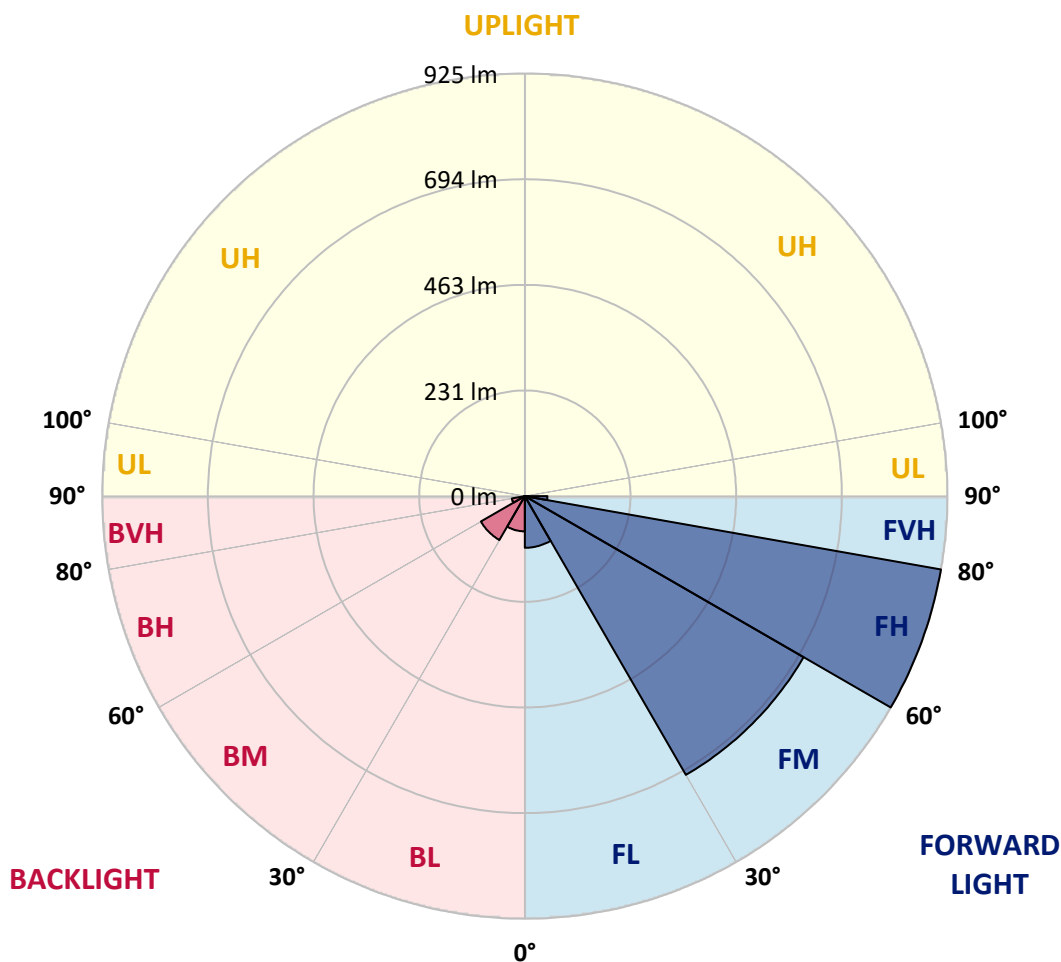


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.1	5.6			
FM (30°-60°)	704.6	35.1			
FH (60°-80°)	925.2	46.0			G1/1800
FVH (80°-90°)	49.5	2.5			G1/100
BL (0°-30°)	77.1	3.8	B0/110		
BM (30°-60°)	111.1	5.5	B0/220		
BH (60°-80°)	28.9	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°	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5
2.5°	291.0	295.1	294.6	297.2	297.7	299.2	302.8	302.8	313.1	320.3	325.0
5°	264.7	262.1	263.2	266.3	274.0	273.5	282.2	286.9	299.2	309.5	320.3
7.5°	232.3	231.8	233.8	241.0	246.7	251.3	260.6	272.4	288.9	304.4	323.4
10°	211.7	210.6	214.8	216.8	223.5	226.6	241.0	259.6	279.1	301.3	323.4
12.5°	207.0	203.4	205.5	205.0	211.2	212.7	226.6	249.3	273.0	300.3	327.6
15°	209.6	207.0	205.0	205.0	206.5	207.6	222.5	242.6	269.4	301.8	336.8
17.5°	217.9	216.3	210.1	203.9	210.6	210.6	219.9	241.0	269.9	306.4	348.2
20°	227.6	226.1	215.3	208.1	212.7	217.9	227.6	244.6	271.4	310.0	365.7
22.5°	238.5	238.5	223.5	215.3	221.5	222.0	239.5	256.0	277.6	319.3	377.0
25°	251.8	250.8	236.4	227.1	229.2	234.8	250.8	268.3	288.9	332.2	398.1
27.5°	269.4	267.8	250.8	241.5	244.1	250.3	268.3	285.8	299.2	337.3	416.1
30°	283.8	282.2	268.3	254.4	260.1	265.7	286.9	302.3	312.1	347.1	436.7
32.5°	286.9	284.3	275.0	268.8	275.0	285.8	302.3	318.3	333.2	371.8	475.9
35°	322.4	313.1	288.9	279.1	288.4	292.0	319.3	347.6	362.1	391.4	519.7
37.5°	390.4	381.6	349.7	322.4	309.5	313.6	349.2	384.2	398.1	428.0	567.5
40°	473.8	459.4	425.4	388.8	362.6	357.4	380.6	432.1	445.5	473.8	630.4
42.5°	569.1	555.2	502.7	459.4	432.6	425.9	429.5	487.7	499.1	516.0	671.6
45°	637.6	630.4	571.2	532.5	511.4	504.2	495.4	548.5	562.9	568.6	731.3
47.5°	677.2	672.1	639.1	612.9	584.5	576.8	582.5	633.0	623.2	627.8	788.5
50°	730.3	716.9	672.1	680.3	674.7	672.6	682.4	704.5	690.1	676.7	850.8
52.5°	773.0	749.3	717.9	738.0	746.8	754.5	789.0	805.5	741.1	720.5	891.0
55°	799.3	776.6	784.9	803.4	812.7	848.2	888.9	876.6	774.6	755.5	944.5
57.5°	823.0	824.5	846.7	852.4	899.7	905.9	984.2	944.0	798.3	787.5	965.7
60°	880.2	874.5	892.5	929.1	974.4	1008.9	1083.6	989.3	810.1	803.9	960.0
62.5°	983.2	948.1	954.3	1000.7	1067.1	1104.7	1140.8	1009.9	807.0	806.5	943.0
65°	1114.0	1073.8	1055.3	1098.5	1184.5	1237.6	1205.1	1033.1	786.4	800.9	879.6
67.5°	1222.7	1223.2	1188.7	1212.9	1325.1	1336.5	1265.9	1028.5	751.9	756.0	725.1
70°	1347.8	1364.8	1334.4	1410.1	1466.3	1473.5	1335.4	990.4	677.8	570.1	416.6
72.5°	1379.7	1388.5	1483.2	1599.6	1663.0	1665.1	1403.9	863.2	446.0	251.8	129.3
75°	1083.6	1091.8	1427.6	1685.1	1779.4	1761.4	1289.6	560.3	173.6	73.6	30.9
77.5°	604.6	607.2	886.3	1362.2	1509.5	1436.9	903.3	218.4	70.0	42.2	14.4
80°	165.3	194.2	328.6	671.6	921.9	904.9	430.0	71.1	45.3	33.0	6.7
82.5°	39.7	42.7	105.6	297.2	487.2	508.3	128.2	36.1	31.4	27.3	3.6
85°	14.4	16.0	32.4	144.7	250.3	229.7	38.6	18.0	23.2	21.1	1.5
87.5°	5.2	5.2	10.3	47.4	73.1	55.1	12.9	6.2	11.8	12.9	0.5
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°	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5
2.5°	325.5	325.5	332.7	338.9	340.9	343.5	340.9	346.6	346.1	343.5	344.5
5°	326.0	335.3	341.5	345.6	347.6	347.1	348.2	342.0	338.4	335.8	333.2
7.5°	328.6	337.3	348.7	347.6	342.0	330.1	320.9	304.4	288.4	287.9	285.3
10°	337.3	345.1	351.8	347.6	327.0	291.0	261.6	239.5	219.4	210.1	211.2
12.5°	343.5	357.9	354.8	333.7	291.0	243.6	200.3	167.9	149.9	132.9	132.9
15°	356.4	361.5	360.5	313.6	246.7	190.0	137.5	104.5	85.5	77.8	76.7
17.5°	368.8	374.4	356.9	283.3	202.9	127.7	83.4	64.9	62.3	61.3	61.8
20°	384.2	384.7	353.8	252.9	152.4	80.9	59.7	58.2	58.7	58.2	58.2
22.5°	400.7	404.3	343.0	210.1	101.5	58.7	55.6	56.1	56.1	56.1	57.7
25°	422.3	416.6	326.0	169.4	66.4	54.1	54.1	54.6	54.6	54.6	55.1
27.5°	436.7	429.0	304.4	122.1	52.0	51.0	52.0	52.0	53.0	53.0	53.0
30°	466.6	446.5	277.1	78.8	46.9	48.4	49.4	50.5	51.0	52.0	52.5
32.5°	489.8	462.0	243.1	52.5	42.7	43.8	46.4	48.4	50.5	50.0	50.0
35°	532.0	487.2	211.7	41.7	39.1	39.1	41.7	45.3	48.4	49.4	49.4
37.5°	580.4	507.8	167.9	38.1	36.1	36.1	37.6	41.7	45.8	47.9	46.9
40°	620.6	531.5	124.1	35.5	33.5	33.5	34.5	37.6	42.2	45.8	46.4
42.5°	648.9	549.0	83.9	33.0	31.4	30.9	32.4	34.0	37.6	42.7	43.8
45°	674.7	558.3	52.0	30.4	29.4	29.4	29.4	30.9	33.5	38.1	39.1
47.5°	720.5	568.6	37.6	28.3	26.8	27.3	27.8	28.3	30.4	31.4	31.9
50°	759.1	576.3	30.9	26.3	25.2	25.8	25.8	25.8	26.8	25.2	25.2
52.5°	788.5	568.6	26.3	24.2	23.2	23.7	23.2	23.2	22.1	20.1	20.1
55°	810.1	554.7	21.1	22.1	22.1	22.1	21.1	19.6	17.5	16.0	16.0
57.5°	815.8	531.0	16.5	18.5	20.1	20.1	18.0	16.0	13.4	11.8	11.3
60°	807.0	479.5	12.4	13.4	15.5	16.0	14.4	11.8	9.3	7.7	7.7
62.5°	775.6	438.8	9.8	8.8	11.3	11.8	10.3	7.7	5.2	3.6	3.1
65°	715.9	376.0	7.2	6.2	7.7	8.2	6.7	3.6	1.5	0.5	0.0
67.5°	574.2	283.3	4.6	4.1	5.2	5.2	3.1	1.0	0.0	0.0	0.0
70°	317.8	159.1	3.1	2.1	2.6	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	91.7	45.3	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.7	10.8	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.8	4.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	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)