

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: P677017

Luminaire Tested: **CCW-SA-1B-760-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677017
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-760-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

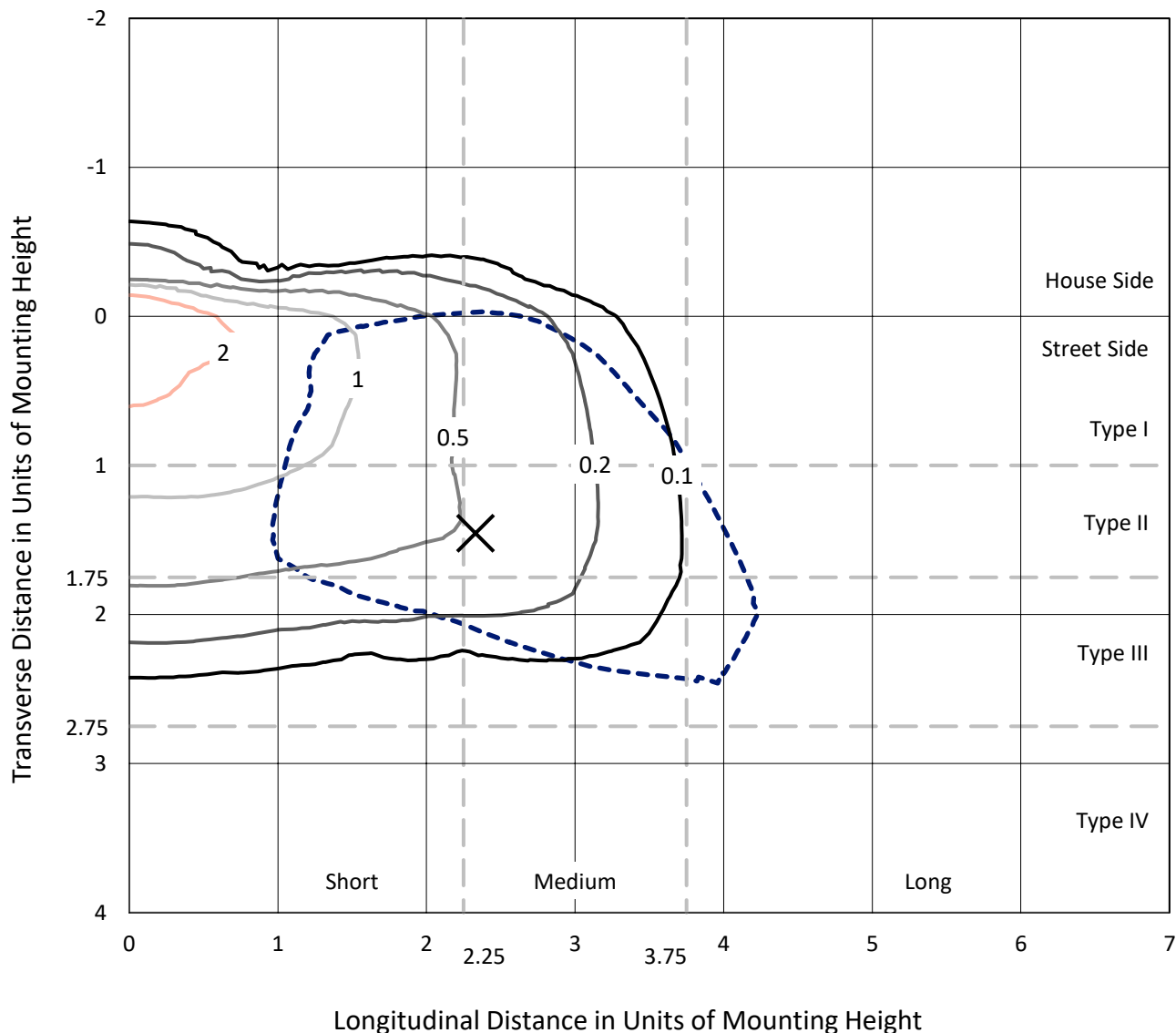
Lumens per Lamp: N/A
Luminaire Lumens: 2919.2 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

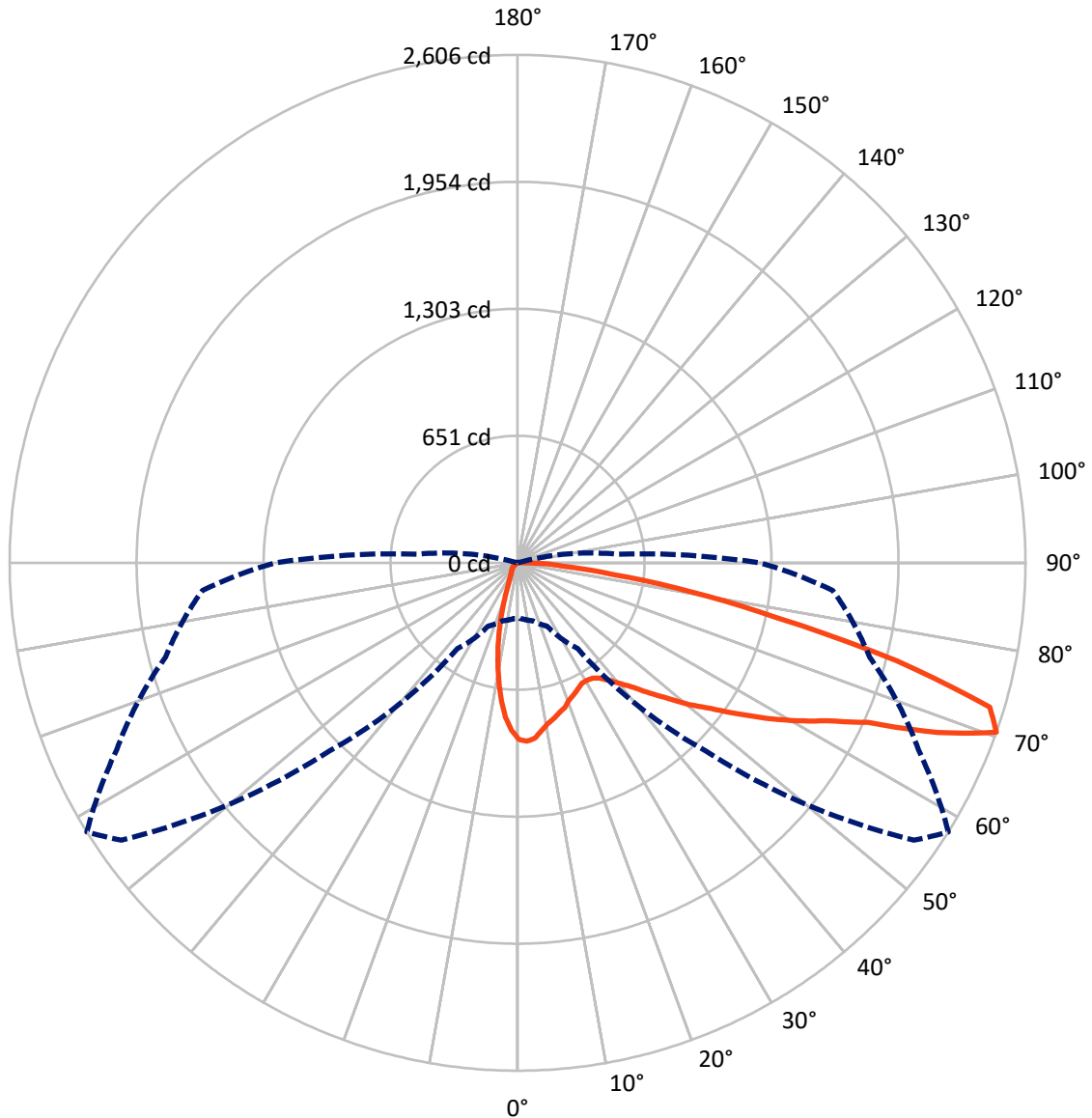
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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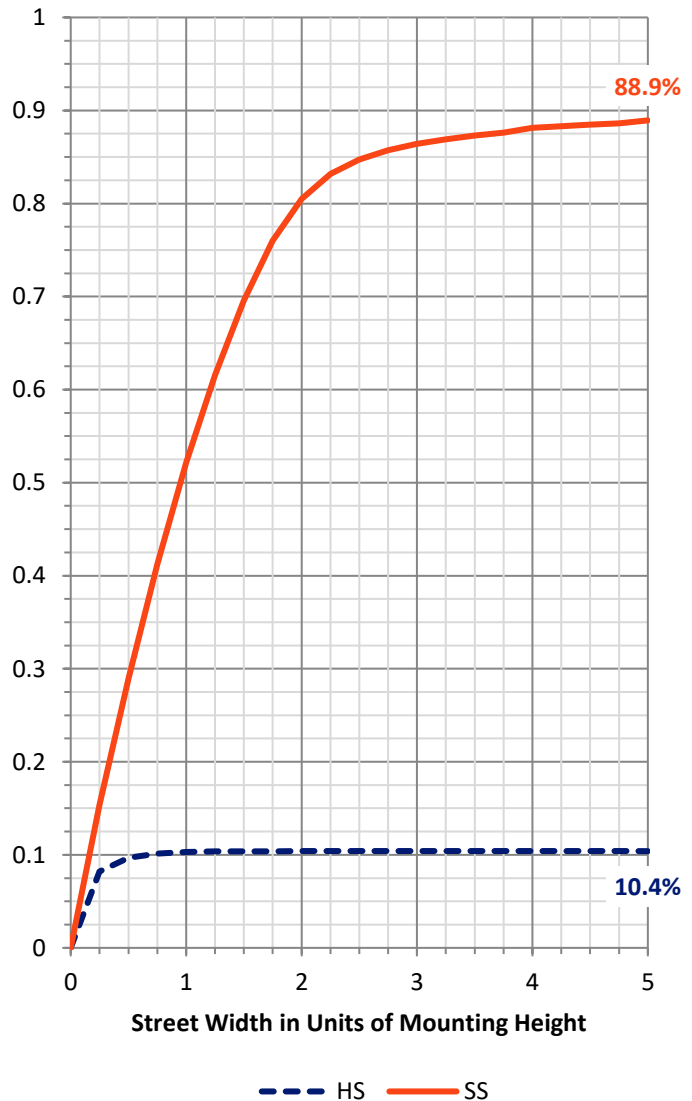
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	305.7	0.0	305.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2613.5	0.0	2613.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	2919.2	0.0	2919.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	2.5
10°-20°	153.9	5.3
20°-30°	206.1	7.1
30°-40°	278.6	9.5
40°-50°	399.9	13.7
50°-60°	589.3	20.2
60°-70°	718.8	24.6
70°-80°	438.9	15.0
80°-90°	59.6	2.0
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°	2919.2	100.0
0°-180°	2919.2	100.0

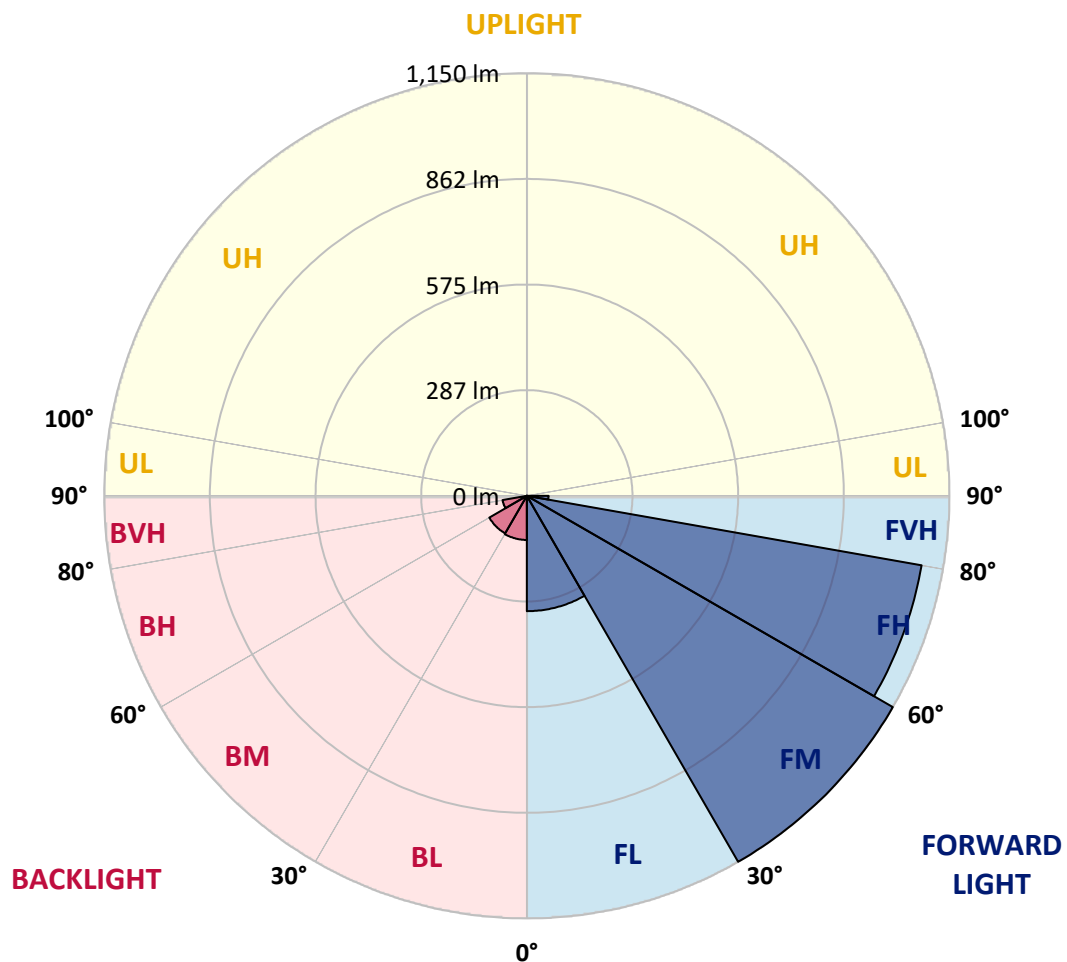


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.9	10.8			
FM (30°-60°)	1149.9	39.4			
FH (60°-80°)	1090.8	37.4			G1/1800
FVH (80°-90°)	59.0	2.0			G1/100
BL (0°-30°)	120.1	4.1	B1/500		
BM (30°-60°)	118.0	4.0	B0/220		
BH (60°-80°)	67.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2
2.5°	922.6	926.1	917.9	927.4	918.5	922.6	917.9	916.5	917.2	917.9	912.4
5°	879.5	887.7	891.2	885.7	898.7	896.6	904.8	905.5	902.1	898.7	899.4
7.5°	822.7	830.9	834.3	837.8	850.8	867.9	878.8	872.0	877.5	889.8	871.3
10°	781.6	779.6	778.9	785.8	810.4	824.8	843.2	841.2	854.9	866.5	851.5
12.5°	731.0	726.9	739.2	744.7	766.6	791.9	806.3	821.3	835.0	847.4	830.2
15°	693.4	696.8	701.6	713.2	728.9	762.5	783.7	798.1	822.7	828.9	822.0
17.5°	663.2	666.0	672.8	679.0	698.8	731.0	764.5	781.6	807.7	824.1	802.9
20°	663.9	655.7	655.7	661.9	672.8	711.1	746.7	752.2	787.8	815.9	801.5
22.5°	664.6	661.9	655.7	655.0	659.8	687.2	723.5	735.8	774.1	807.0	789.9
25°	674.2	663.9	664.6	655.0	657.1	670.8	699.5	718.0	761.8	811.8	783.7
27.5°	682.4	687.2	677.6	673.5	661.9	661.2	685.1	700.9	755.6	822.7	787.8
30°	700.9	704.3	704.3	701.6	690.6	674.9	680.3	700.2	743.3	820.7	781.0
32.5°	731.7	725.5	733.7	729.6	715.3	690.6	695.4	705.7	750.8	846.7	791.9
35°	741.9	746.7	757.7	748.8	744.0	729.6	720.0	727.6	761.8	872.7	808.3
37.5°	773.4	766.6	774.1	794.0	798.8	772.7	754.3	765.2	802.9	903.5	823.4
40°	776.2	781.6	795.3	834.3	839.1	828.2	813.1	815.9	843.9	943.2	861.0
42.5°	789.9	796.0	824.1	856.9	882.9	885.0	874.0	874.0	898.0	1006.8	902.8
45°	816.6	806.3	842.6	898.0	935.6	943.2	957.5	954.1	973.3	1073.9	980.8
47.5°	826.8	830.2	869.9	937.0	980.1	1015.0	1039.0	1039.7	1049.3	1159.5	1082.1
50°	860.4	859.7	907.6	969.9	1033.5	1097.2	1143.7	1143.7	1143.0	1243.0	1169.0
52.5°	904.8	903.5	940.4	1014.4	1097.2	1177.3	1238.9	1240.9	1256.7	1345.6	1269.0
55°	977.4	971.2	1006.8	1061.6	1160.8	1258.0	1364.8	1365.5	1353.2	1418.9	1340.8
57.5°	1038.3	1037.6	1067.1	1119.8	1232.0	1362.1	1485.9	1504.4	1465.4	1494.2	1398.3
60°	1022.6	1031.5	1092.4	1170.4	1307.3	1492.1	1616.7	1645.4	1583.1	1545.5	1441.5
62.5°	924.7	945.2	1011.6	1136.2	1371.0	1681.0	1796.7	1783.7	1644.7	1589.3	1494.2
65°	665.3	685.8	768.0	954.8	1297.0	1814.5	2033.5	1974.6	1754.3	1654.3	1564.7
67.5°	391.5	399.7	451.1	609.2	969.9	1741.9	2321.0	2325.8	1969.9	1754.3	1686.5
70°	282.7	288.8	308.7	359.3	537.3	1365.5	2481.1	2605.7	2269.0	1869.2	1622.2
72.5°	217.0	217.0	250.5	299.1	342.2	817.9	2283.3	2533.2	2334.0	1759.0	1307.3
75°	156.1	160.2	196.4	257.4	315.5	410.7	1682.4	2010.2	1978.1	1425.7	913.1
77.5°	89.7	91.7	138.3	215.6	296.4	282.0	1039.7	1362.7	1401.1	892.5	395.6
80°	45.9	47.2	77.3	170.4	268.3	245.7	620.1	897.3	761.1	259.4	91.7
82.5°	22.6	22.6	34.9	108.8	227.9	217.7	364.8	495.5	269.7	59.5	38.3
85°	7.5	8.2	15.7	61.6	165.0	131.4	223.1	235.5	90.3	22.6	21.2
87.5°	2.1	2.7	4.1	22.6	71.9	86.2	132.8	150.6	37.0	8.9	10.3
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°	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2
2.5°	891.8	887.1	881.6	867.9	856.9	842.6	833.0	825.4	811.1	813.8	807.7
5°	882.9	874.0	842.6	812.4	785.1	743.3	714.6	696.1	681.0	666.0	676.9
7.5°	867.2	846.0	796.7	740.6	682.4	627.6	572.9	540.0	516.1	494.2	493.5
10°	840.5	806.3	728.9	655.7	566.0	494.2	424.4	369.6	334.0	308.0	307.3
12.5°	810.4	774.8	677.6	558.5	455.2	353.9	270.4	212.2	178.6	158.1	155.4
15°	791.2	739.2	613.3	472.3	344.3	230.7	149.9	113.6	100.6	95.8	95.8
17.5°	766.6	707.0	549.6	382.6	238.9	133.5	97.2	87.6	86.9	85.6	84.2
20°	756.3	682.4	492.8	305.3	151.3	94.5	83.5	81.4	81.4	80.1	78.7
22.5°	728.9	646.8	432.6	223.8	100.6	82.8	78.7	76.0	74.6	73.2	74.6
25°	716.6	621.5	375.8	154.7	82.1	73.9	71.9	69.1	67.1	66.4	66.4
27.5°	708.4	596.2	320.3	107.5	72.6	67.8	63.7	61.6	58.9	56.1	56.1
30°	702.2	576.3	266.9	79.4	65.0	60.2	56.8	52.0	48.6	45.9	45.9
32.5°	694.0	553.0	213.5	67.8	58.9	54.1	47.9	43.8	39.0	37.0	37.0
35°	696.8	537.3	167.7	60.2	52.7	46.5	41.1	35.6	30.8	28.7	28.1
37.5°	702.2	525.7	127.3	54.1	47.2	40.4	34.2	28.1	25.3	22.6	22.6
40°	725.5	522.2	93.8	50.0	43.1	35.6	28.7	23.3	20.5	18.5	17.8
42.5°	764.5	527.0	72.6	45.2	39.0	30.1	24.0	19.2	16.4	14.4	13.7
45°	814.5	545.5	59.5	42.4	34.2	25.3	19.2	15.7	12.3	11.0	11.0
47.5°	887.1	574.3	52.0	39.0	30.1	21.2	16.4	12.3	9.6	8.2	8.2
50°	969.2	607.1	45.9	34.9	26.0	17.8	13.0	9.6	6.8	6.2	6.2
52.5°	1051.3	648.9	42.4	32.2	22.6	14.4	10.3	6.8	4.8	4.1	4.1
55°	1137.6	685.8	38.3	30.1	18.5	11.6	7.5	4.1	2.7	2.1	2.1
57.5°	1197.8	700.2	33.5	26.0	14.4	8.9	5.5	2.7	1.4	0.7	0.7
60°	1240.9	702.2	28.7	21.2	11.0	6.8	3.4	1.4	0.7	0.0	0.0
62.5°	1277.2	706.4	24.6	16.4	8.2	4.8	2.1	0.7	0.0	0.0	0.0
65°	1349.1	702.9	19.8	13.0	5.5	2.7	1.4	0.0	0.0	0.0	0.0
67.5°	1405.9	668.7	15.7	8.9	3.4	1.4	0.7	0.0	0.0	0.0	0.0
70°	1243.7	509.9	12.3	6.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0
72.5°	976.7	340.2	8.2	3.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	640.6	169.1	6.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	249.1	44.5	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	60.2	15.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.0	5.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	1.4	0.7	0.7	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)