

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: P674957

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674957
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3177.5 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

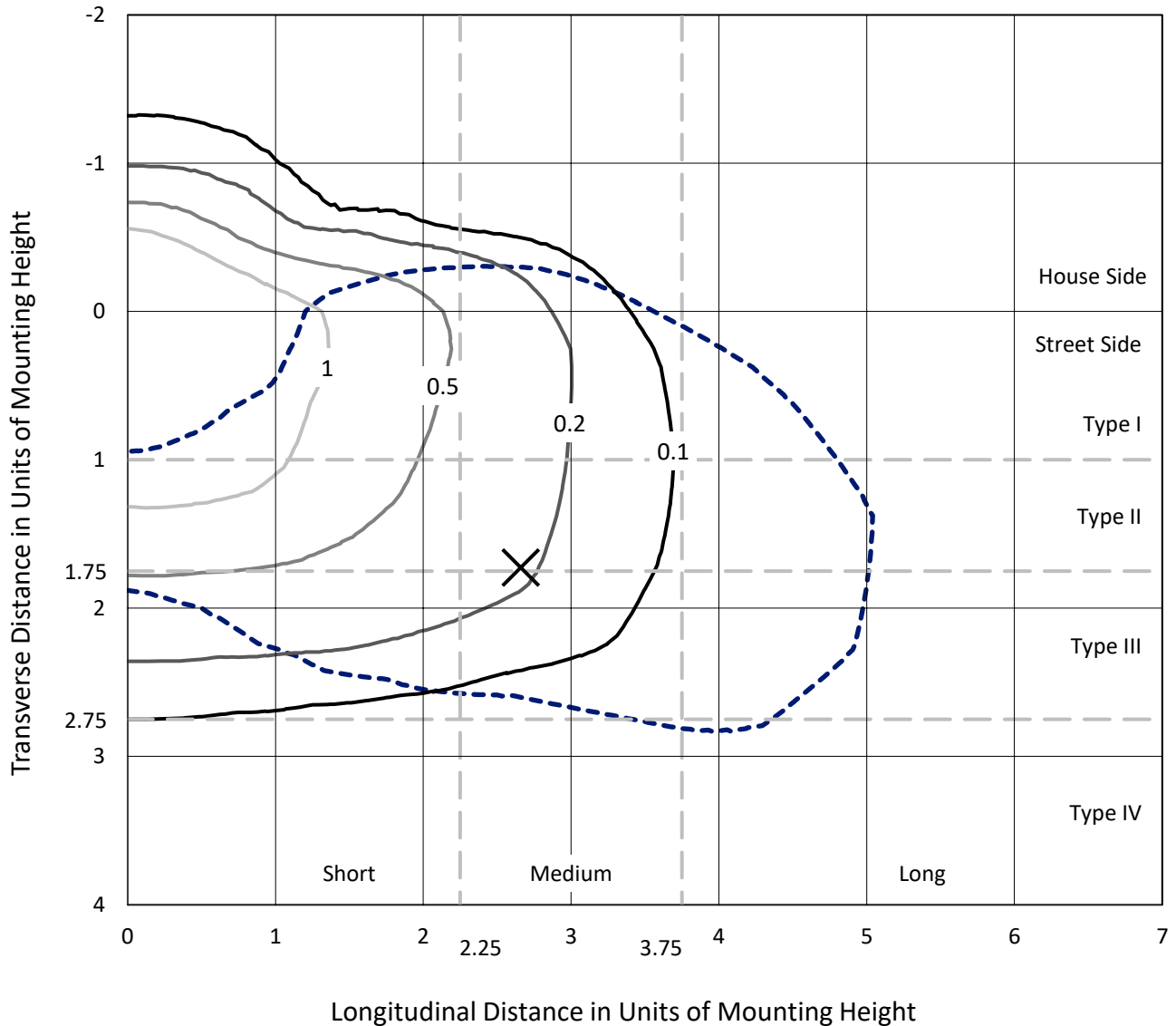
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

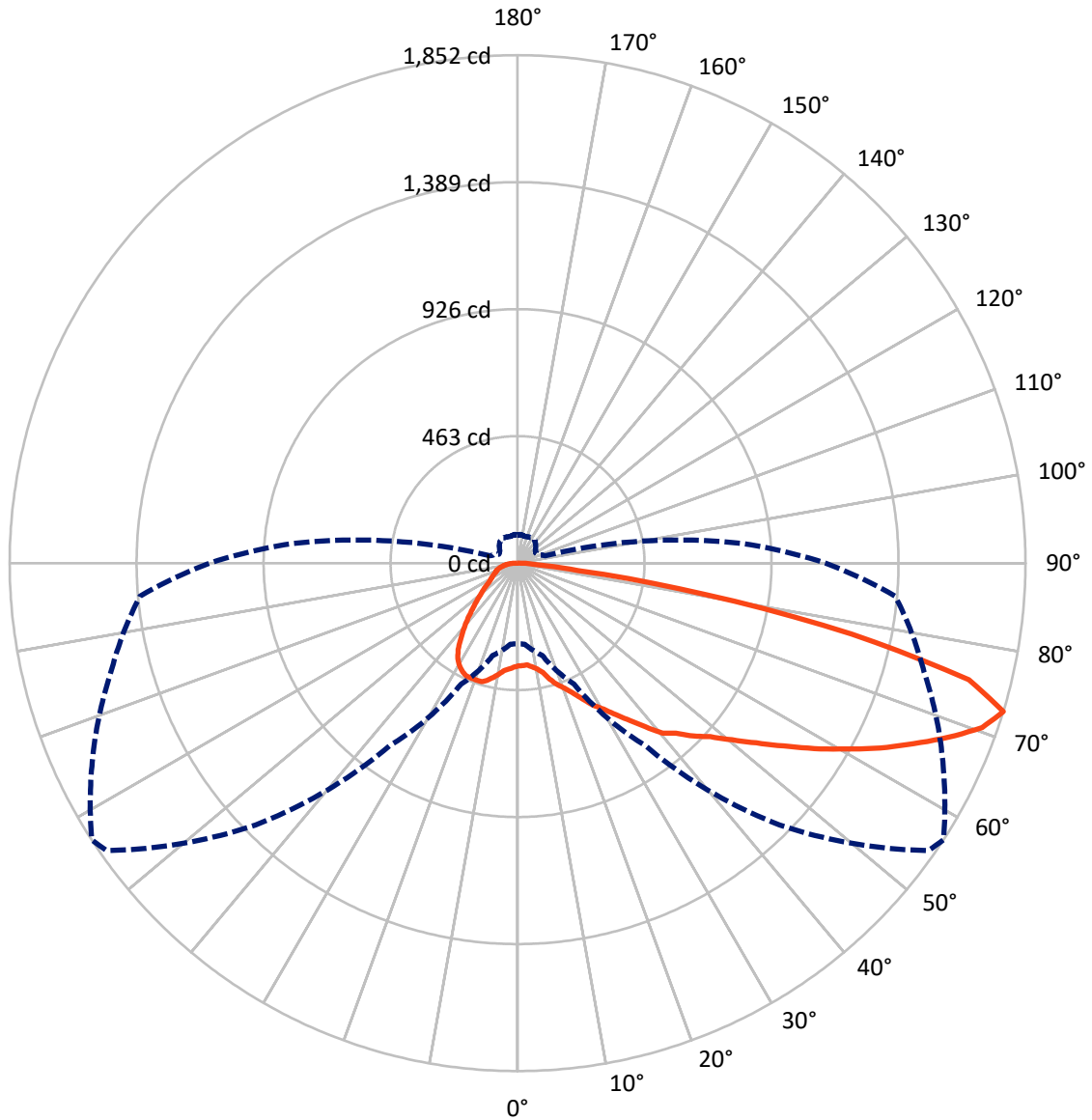
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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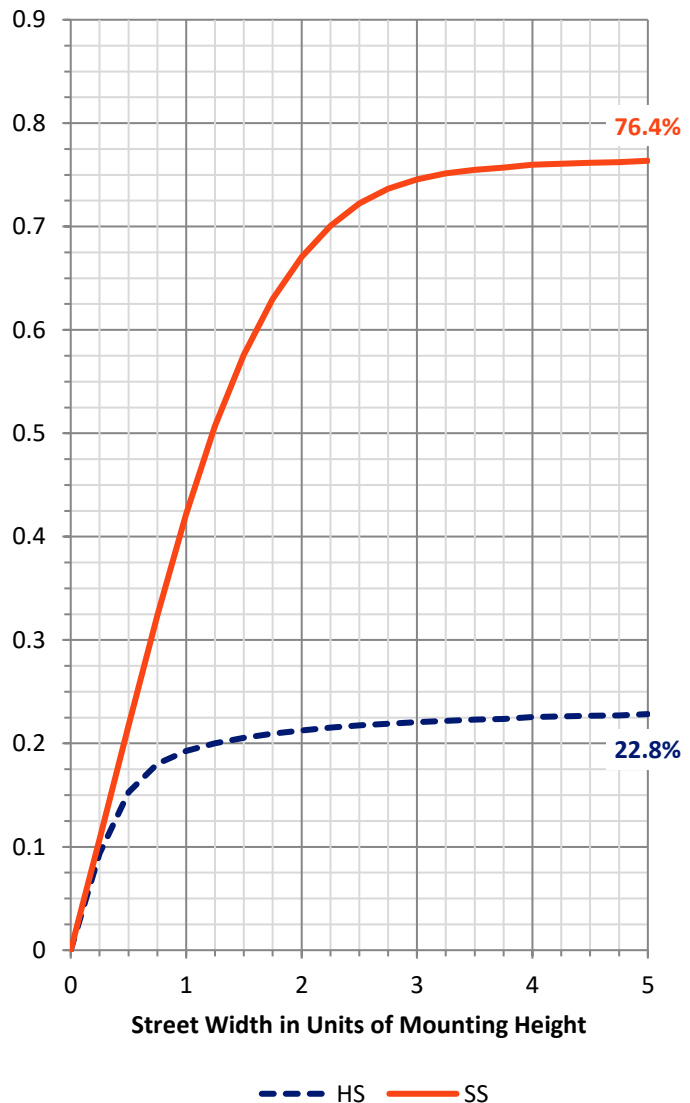
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.1	0.0	742.1
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2435.5	0.0	2435.5
	% Fixture	76.6	0.0	76.6
Total	Lumens	3177.5	0.0	3177.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.2
10°-20°	125.5	3.9
20°-30°	229.4	7.2
30°-40°	336.5	10.6
40°-50°	463.3	14.6
50°-60°	635.3	20.0
60°-70°	765.9	24.1
70°-80°	510.2	16.1
80°-90°	74.3	2.3
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°	3177.5	100.0
0°-180°	3177.5	100.0



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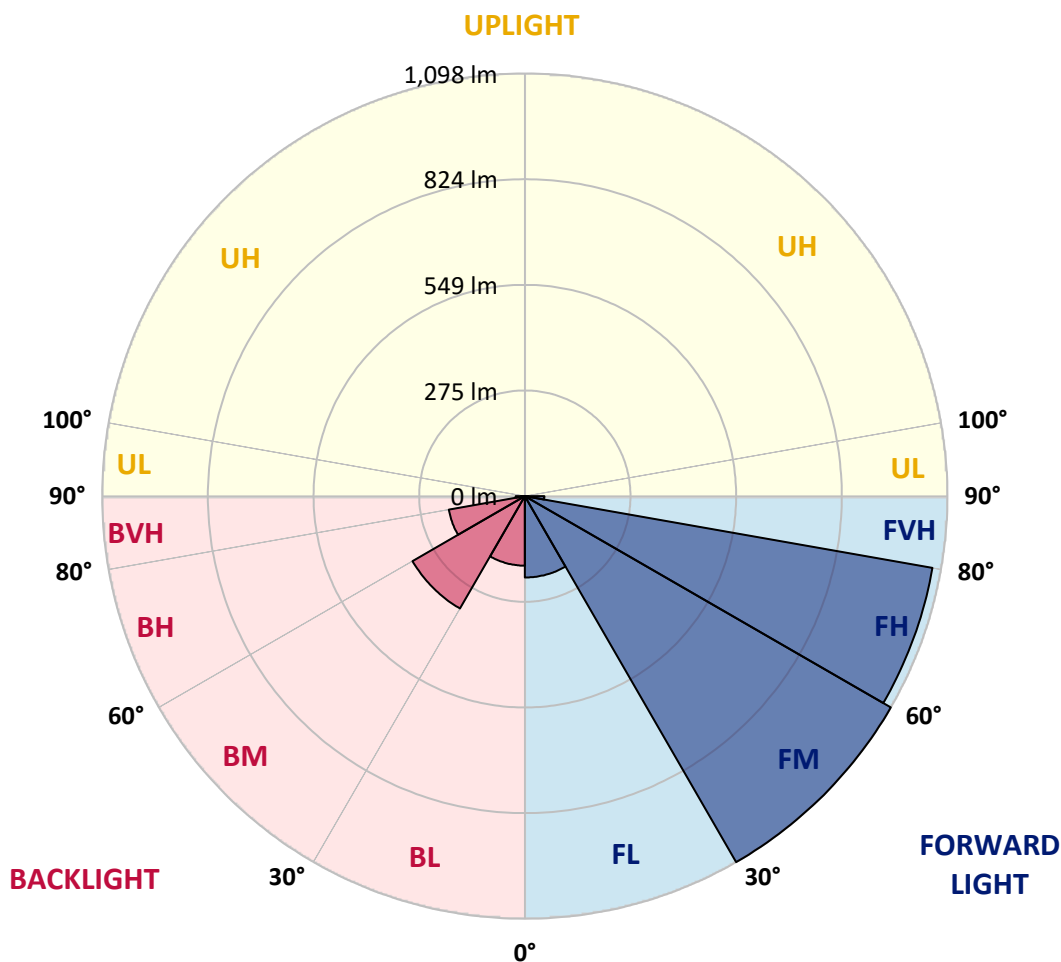
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.4	6.7			
FM (30°-60°)	1098.1	34.6			
FH (60°-80°)	1075.4	33.8			G1/1800
FVH (80°-90°)	50.6	1.6			G1/100
BL (0°-30°)	180.7	5.7	B1/500		
BM (30°-60°)	337.1	10.6	B1/1000		
BH (60°-80°)	200.6	6.3	B1/500		G1/500
BVH (80°-90°)	23.7	0.7			G1/100
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°	57°	65°	75°	85°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	368.1	369.3	371.6	370.4	370.4	366.9	372.7	373.9	371.6	372.7	375.0
5°	368.1	370.4	373.9	371.6	372.7	371.6	369.3	372.7	372.7	373.9	377.4
7.5°	387.8	386.6	386.6	383.2	382.0	380.8	382.0	382.0	379.7	380.8	380.8
10°	409.8	409.8	407.5	407.5	405.1	399.4	393.6	392.4	388.9	390.1	390.1
12.5°	432.9	435.2	437.6	430.6	428.3	419.0	415.6	408.6	408.6	406.3	405.1
15°	461.9	458.4	460.7	458.4	452.6	443.3	437.6	438.7	430.6	428.3	424.8
17.5°	487.3	488.5	485.0	482.7	472.3	465.3	466.5	465.3	454.9	451.4	445.7
20°	517.4	516.3	516.3	509.3	500.1	490.8	487.3	486.2	488.5	481.5	467.7
22.5°	548.7	544.1	544.1	538.3	525.5	519.7	517.4	512.8	515.1	509.3	488.5
25°	574.1	574.1	582.2	570.7	563.7	552.2	547.5	548.7	549.8	538.3	514.0
27.5°	607.7	601.9	610.0	604.2	600.8	588.0	582.2	585.7	583.4	570.7	537.1
30°	650.5	651.7	647.1	639.0	634.3	625.1	621.6	618.1	621.6	605.4	562.6
32.5°	703.8	707.3	695.7	686.4	678.3	669.1	662.1	658.6	662.1	637.8	582.2
35°	765.1	768.6	759.4	748.9	739.7	716.5	710.7	705.0	692.2	652.9	600.8
37.5°	821.9	817.2	814.9	814.9	797.6	764.0	760.5	757.0	732.7	683.0	626.2
40°	860.1	865.9	863.5	861.2	858.9	827.7	820.7	814.9	774.4	728.1	662.1
42.5°	902.9	899.4	908.7	912.2	904.0	894.8	867.0	847.3	811.4	774.4	715.4
45°	953.8	951.5	955.0	967.7	956.1	959.6	913.3	899.4	854.3	832.3	782.5
47.5°	999.0	1004.8	1022.1	1025.6	1016.3	1032.5	967.7	945.7	916.8	899.4	852.0
50°	1018.6	1025.6	1064.9	1089.3	1090.4	1115.9	1022.1	1012.9	973.5	980.4	938.8
52.5°	1002.4	1024.4	1071.9	1135.6	1174.9	1200.4	1093.9	1089.3	1053.4	1075.4	1033.7
55°	1017.5	1038.3	1069.6	1158.7	1258.3	1264.0	1193.4	1176.1	1140.2	1170.3	1132.1
57.5°	1024.4	1012.9	1071.9	1184.2	1319.6	1334.7	1288.4	1275.6	1247.8	1276.8	1254.8
60°	970.0	983.9	1039.5	1177.2	1323.1	1409.9	1394.9	1376.3	1350.9	1377.5	1364.8
62.5°	908.7	917.9	978.1	1135.6	1342.8	1464.3	1497.9	1484.0	1448.1	1471.3	1493.2
65°	831.1	832.3	899.4	1061.5	1304.6	1495.6	1588.2	1587.0	1561.5	1555.8	1590.5
67.5°	736.2	745.5	798.7	982.8	1252.5	1530.3	1677.3	1694.7	1643.7	1598.6	1611.3
70°	564.9	574.1	625.1	805.7	1146.0	1519.9	1787.3	1796.5	1697.0	1582.4	1550.0
72.5°	294.0	296.3	348.4	486.2	812.6	1349.7	1827.8	1852.1	1710.9	1534.9	1382.1
75°	97.2	97.2	119.2	185.2	383.2	863.5	1655.3	1699.3	1642.6	1416.8	1130.9
77.5°	57.9	59.0	70.6	92.6	152.8	345.0	1166.8	1244.4	1343.9	1205.0	826.5
80°	41.7	42.8	53.2	63.7	91.4	111.1	585.7	693.4	825.3	775.6	441.0
82.5°	31.3	31.3	41.7	47.5	62.5	66.0	163.2	223.4	356.5	277.8	121.5
85°	32.4	32.4	32.4	33.6	42.8	38.2	68.3	72.9	104.2	91.4	33.6
87.5°	11.6	12.7	32.4	22.0	22.0	16.2	26.6	28.9	37.0	38.2	12.7
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°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	376.2	376.2	377.4	377.4	379.7	382.0	385.5	383.2	383.2	384.3	383.2
5°	375.0	376.2	379.7	385.5	387.8	388.9	395.9	395.9	395.9	398.2	398.2
7.5°	379.7	382.0	387.8	393.6	394.7	398.2	407.5	409.8	415.6	417.9	419.0
10°	391.3	394.7	399.4	406.3	410.9	415.6	422.5	430.6	429.5	436.4	437.6
12.5°	408.6	407.5	415.6	422.5	427.1	434.1	436.4	436.4	436.4	436.4	438.7
15°	422.5	424.8	431.8	436.4	442.2	441.0	436.4	431.8	432.9	431.8	431.8
17.5°	443.3	443.3	449.1	450.3	452.6	441.0	434.1	434.1	437.6	437.6	435.2
20°	464.2	463.0	465.3	464.2	449.1	435.2	434.1	435.2	436.4	435.2	434.1
22.5°	483.9	481.5	478.1	473.4	446.8	434.1	431.8	426.0	420.2	420.2	416.7
25°	501.2	498.9	489.6	475.8	445.7	427.1	415.6	401.7	394.7	391.3	395.9
27.5°	517.4	512.8	500.1	475.8	435.2	408.6	386.6	369.3	363.5	358.8	363.5
30°	539.4	531.3	514.0	472.3	419.0	379.7	349.6	328.7	323.0	316.0	318.3
32.5°	559.1	540.6	525.5	461.9	398.2	347.3	312.5	291.7	281.3	275.5	280.1
35°	579.9	561.4	530.2	445.7	365.8	307.9	273.2	253.5	245.4	237.3	237.3
37.5°	600.8	590.4	537.1	415.6	326.4	270.9	239.6	224.6	210.7	195.6	195.6
40°	644.8	630.9	545.2	380.8	287.1	235.0	213.0	193.3	179.4	158.6	157.4
42.5°	691.1	661.0	545.2	339.2	252.3	209.5	188.7	167.8	142.4	129.6	130.8
45°	750.1	715.4	530.2	302.1	217.6	188.7	165.5	138.9	127.3	119.2	119.2
47.5°	824.2	769.8	511.6	261.6	189.8	170.2	141.2	125.0	116.9	110.0	108.8
50°	912.2	819.5	488.5	226.9	166.7	152.8	128.5	115.8	108.8	104.2	104.2
52.5°	1004.8	892.5	472.3	195.6	148.2	129.6	119.2	111.1	105.3	101.9	100.7
55°	1098.5	965.4	460.7	162.1	130.8	119.2	116.9	110.0	107.7	104.2	101.9
57.5°	1203.9	1025.6	458.4	138.9	116.9	114.6	119.2	113.4	110.0	106.5	103.0
60°	1317.3	1106.6	437.6	120.4	110.0	112.3	115.8	110.0	107.7	104.2	101.9
62.5°	1429.6	1166.8	380.8	106.5	103.0	105.3	110.0	105.3	101.9	103.0	104.2
65°	1475.9	1171.4	295.2	96.1	94.9	96.1	103.0	101.9	98.4	105.3	105.3
67.5°	1429.6	1129.8	208.4	86.8	86.8	92.6	104.2	106.5	103.0	112.3	111.1
70°	1324.2	1026.8	141.2	81.0	83.3	98.4	107.7	105.3	100.7	112.3	110.0
72.5°	1124.0	821.9	103.0	75.2	78.7	93.8	106.5	104.2	100.7	105.3	100.7
75°	843.9	584.6	81.0	68.3	69.5	84.5	110.0	104.2	94.9	92.6	89.1
77.5°	563.7	361.2	62.5	60.2	60.2	74.1	105.3	97.2	85.7	82.2	81.0
80°	268.6	144.7	49.8	50.9	52.1	63.7	96.1	86.8	77.6	72.9	72.9
82.5°	85.7	54.4	41.7	41.7	41.7	52.1	79.9	72.9	67.1	63.7	57.9
85°	30.1	30.1	35.9	37.0	33.6	38.2	66.0	62.5	55.6	46.3	45.1
87.5°	11.6	17.4	24.3	28.9	20.8	26.6	47.5	44.0	40.5	30.1	28.9
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)