

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: P676424

Luminaire Tested: **CCW-SA-2A-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676424
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

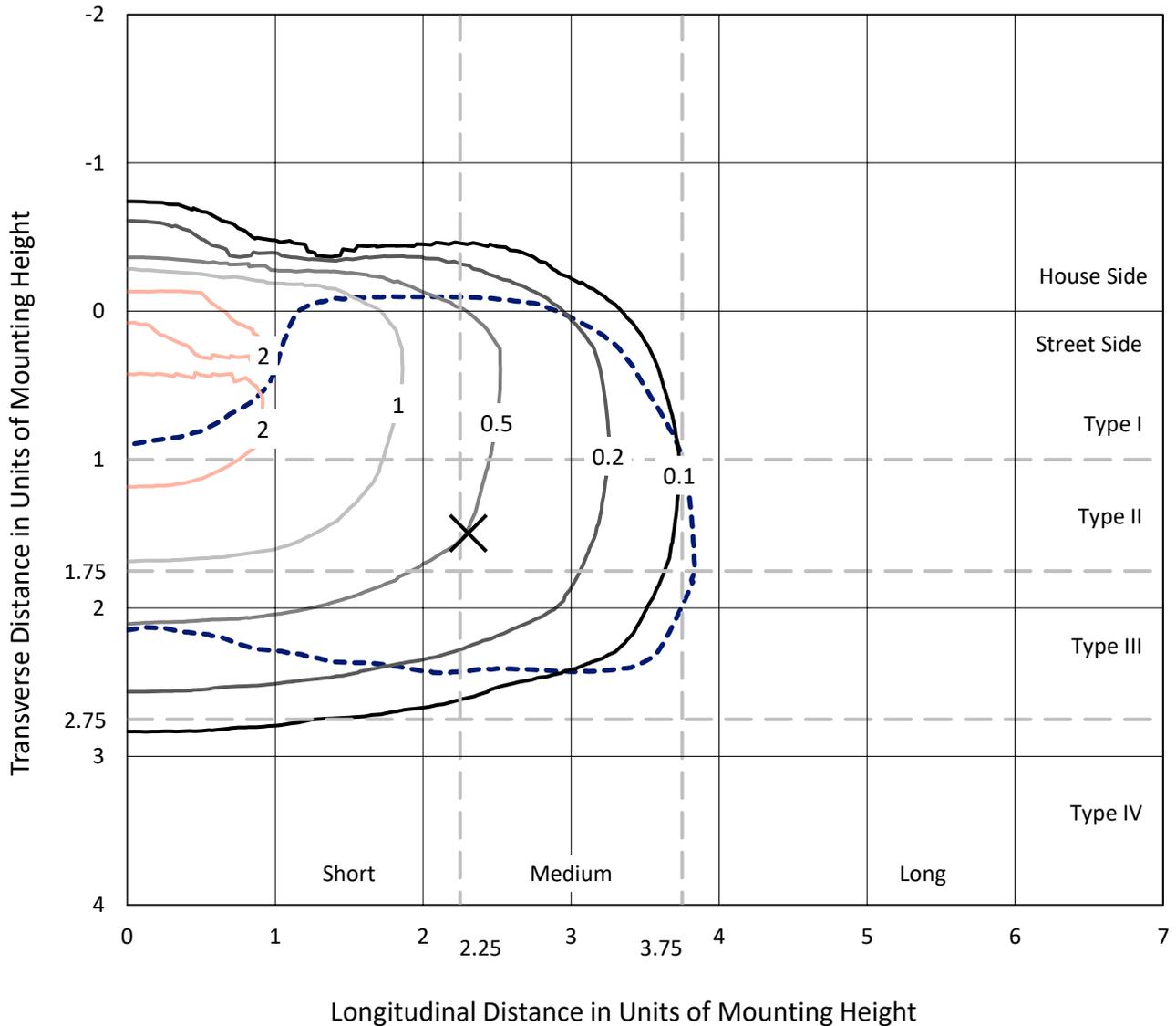
Lumens per Lamp: N/A
Luminaire Lumens: 3941.8 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

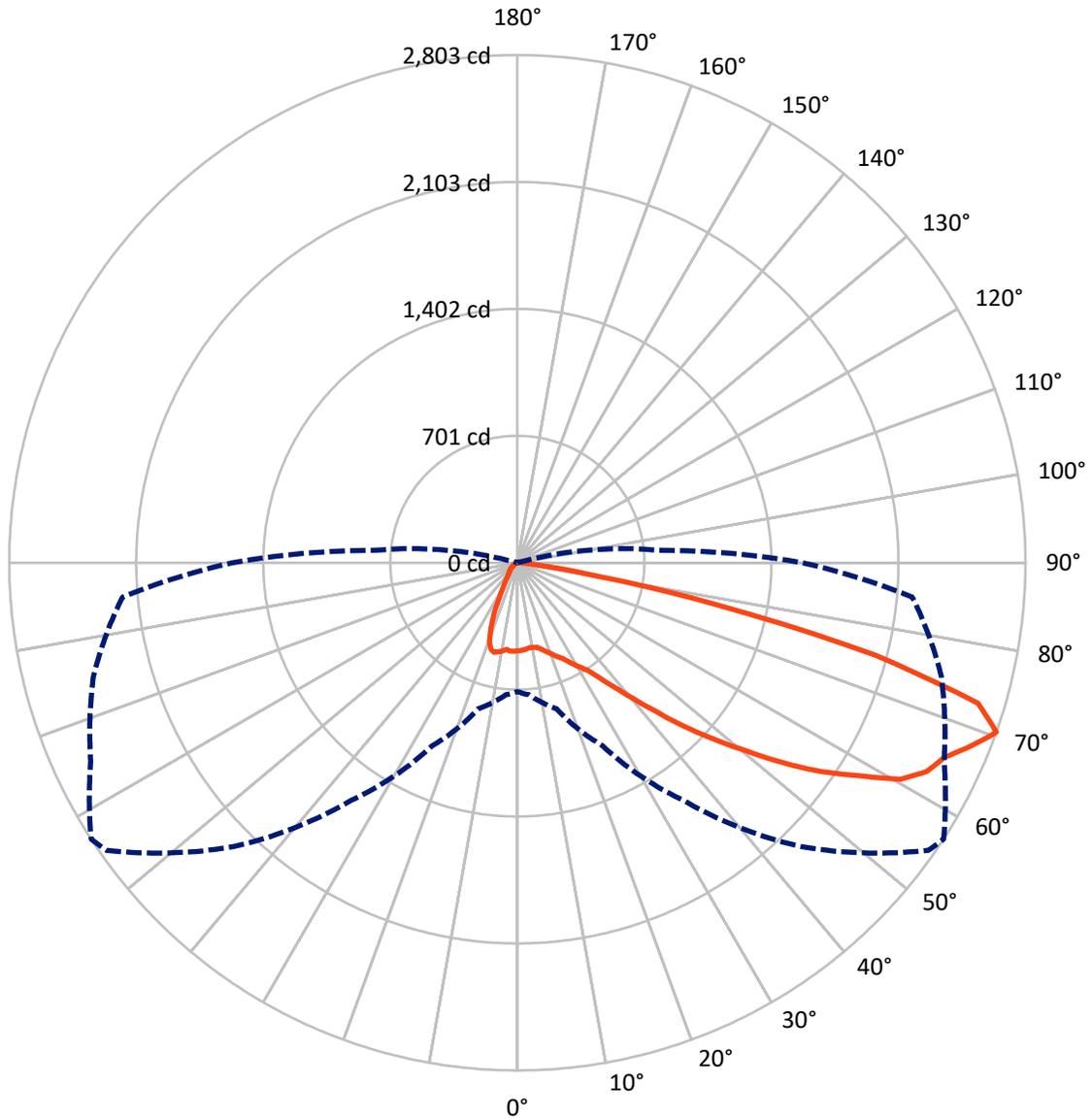
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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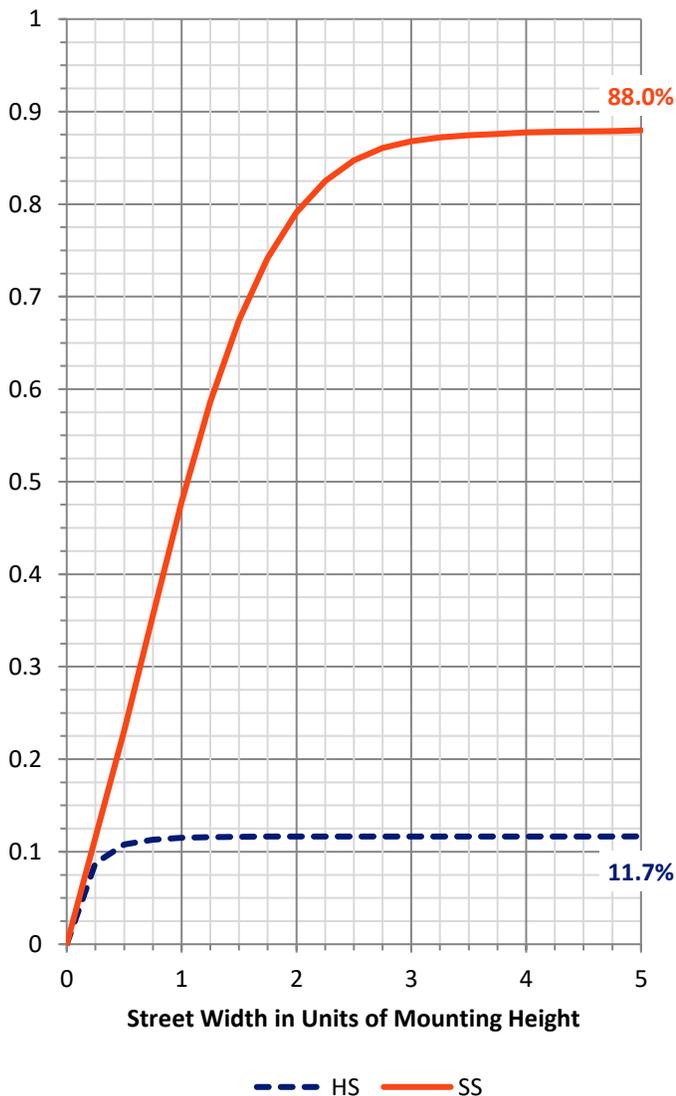
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.6	0.0	464.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3477.2	0.0	3477.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	3941.8	0.0	3941.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	1.2
10°-20°	127.1	3.2
20°-30°	214.1	5.4
30°-40°	366.3	9.3
40°-50°	615.1	15.6
50°-60°	944.2	24.0
60°-70°	1090.1	27.7
70°-80°	515.0	13.1
80°-90°	24.4	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°	3941.8	100.0
0°-180°	3941.8	100.0



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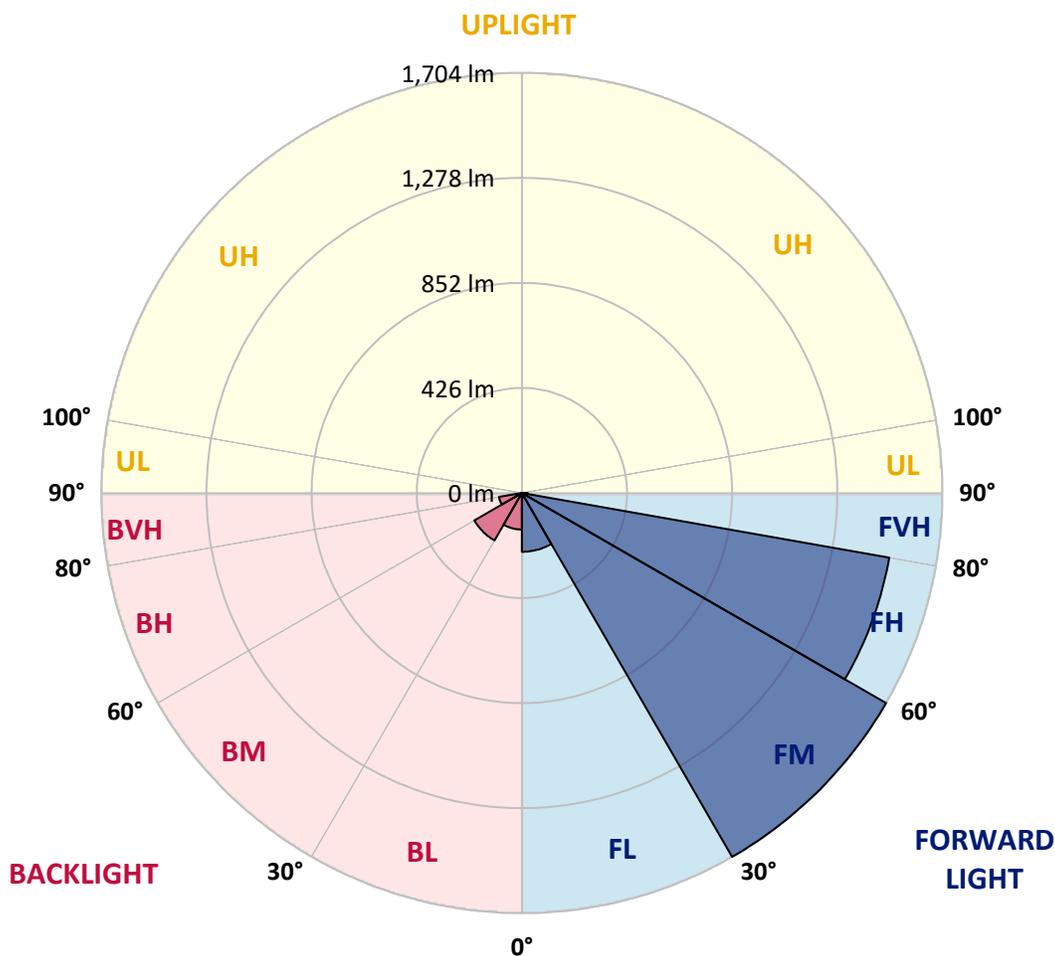
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.5	6.0			
FM (30°-60°)	1703.6	43.2			
FH (60°-80°)	1511.1	38.3			G1/1800
FVH (80°-90°)	24.0	0.6			G1/100
BL (0°-30°)	148.1	3.8	B1/500		
BM (30°-60°)	222.1	5.6	B1/1000		
BH (60°-80°)	94.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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°	57°	65°	75°	85°
0°	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4
2.5°	479.3	476.3	479.3	483.3	479.3	482.3	481.3	484.4	480.3	480.3	483.3
5°	448.1	453.1	455.2	460.2	465.2	474.3	480.3	480.3	486.4	489.4	493.4
7.5°	437.0	429.0	437.0	441.1	446.1	461.2	470.3	474.3	482.3	493.4	499.5
10°	420.9	427.0	427.0	440.0	447.1	456.2	472.3	475.3	493.4	504.5	510.5
12.5°	419.9	419.9	424.9	434.0	448.1	465.2	485.4	479.3	498.5	518.6	528.7
15°	422.9	430.0	430.0	442.1	453.1	477.3	494.4	495.4	522.6	542.8	551.8
17.5°	436.0	433.0	437.0	444.1	461.2	484.4	512.6	515.6	546.8	574.0	587.1
20°	463.2	468.2	462.2	458.2	465.2	495.4	531.7	537.7	573.0	599.2	612.2
22.5°	564.9	560.9	536.7	508.5	496.4	510.5	549.8	563.9	605.2	636.4	647.5
25°	679.7	672.7	644.5	602.2	546.8	540.7	586.1	586.1	645.5	679.7	676.7
27.5°	788.5	786.4	753.2	708.9	630.4	587.1	615.3	626.3	690.8	719.0	705.9
30°	899.2	901.2	871.0	817.7	735.1	661.6	656.5	665.6	725.0	769.3	742.1
32.5°	1028.1	1010.0	988.9	915.3	839.8	757.2	709.9	705.9	763.3	803.6	767.3
35°	1142.9	1131.8	1108.7	1042.2	955.6	856.9	790.5	780.4	811.6	865.0	825.7
37.5°	1243.6	1232.5	1202.3	1158.0	1090.6	980.8	887.1	872.0	885.1	941.5	894.2
40°	1330.2	1333.2	1325.2	1281.9	1219.4	1119.8	1012.0	987.8	976.8	1027.1	973.7
42.5°	1392.6	1421.9	1423.9	1370.5	1320.1	1265.8	1144.9	1125.8	1099.6	1141.9	1104.7
45°	1523.6	1507.4	1517.5	1498.4	1443.0	1434.9	1298.0	1286.9	1250.7	1264.8	1225.5
47.5°	1626.3	1623.2	1642.4	1611.2	1596.1	1597.1	1472.2	1453.1	1401.7	1427.9	1383.6
50°	1685.7	1669.6	1739.0	1763.2	1760.2	1772.3	1648.4	1632.3	1583.0	1621.2	1526.6
52.5°	1699.8	1729.0	1794.4	1882.0	1919.3	1944.5	1840.8	1834.7	1781.3	1805.5	1674.6
55°	1735.0	1763.2	1801.5	1945.5	2083.4	2089.5	2030.1	2036.1	1988.8	1982.7	1815.6
57.5°	1734.0	1728.0	1833.7	2000.9	2192.2	2278.8	2246.6	2217.4	2166.0	2106.6	1906.2
60°	1670.6	1667.6	1777.3	2007.9	2251.6	2450.0	2463.1	2428.8	2299.9	2212.3	2012.9
62.5°	1544.7	1556.8	1667.6	1947.5	2308.0	2511.4	2559.7	2536.6	2376.5	2282.8	2138.8
65°	1400.7	1375.5	1504.4	1796.4	2181.1	2493.3	2598.0	2589.9	2467.1	2359.3	2254.6
67.5°	1123.8	1134.9	1233.5	1545.7	1964.6	2426.8	2687.6	2699.7	2539.6	2426.8	2289.9
70°	711.9	732.1	834.8	1116.7	1604.1	2217.4	2768.2	2803.4	2597.0	2420.8	2187.2
72.5°	207.4	215.5	355.5	556.9	1022.1	1778.3	2639.3	2657.4	2485.2	2197.2	1691.7
75°	68.5	72.5	104.7	181.3	400.8	919.4	1949.5	2035.1	1977.7	1593.0	967.7
77.5°	45.3	47.3	57.4	86.6	152.1	288.0	1045.2	1136.9	1114.7	746.2	312.2
80°	33.2	34.2	42.3	58.4	92.6	103.7	385.7	446.1	431.0	171.2	62.4
82.5°	21.1	21.1	31.2	41.3	58.4	51.4	111.8	123.9	120.8	65.5	24.2
85°	14.1	15.1	23.2	32.2	32.2	24.2	32.2	37.3	40.3	35.2	11.1
87.5°	4.0	5.0	13.1	22.2	13.1	12.1	11.1	12.1	14.1	19.1	6.0
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°	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4
2.5°	486.4	490.4	489.4	491.4	488.4	485.4	488.4	488.4	488.4	485.4	483.3
5°	490.4	488.4	490.4	486.4	490.4	486.4	484.4	478.3	477.3	477.3	481.3
7.5°	496.4	498.5	489.4	489.4	480.3	482.3	477.3	478.3	476.3	473.3	471.3
10°	505.5	513.6	504.5	501.5	491.4	483.3	471.3	465.2	465.2	461.2	465.2
12.5°	530.7	527.7	522.6	512.6	500.5	484.4	455.2	426.0	401.8	383.7	392.7
15°	550.8	549.8	542.8	523.6	507.5	458.2	384.7	309.1	268.9	250.7	247.7
17.5°	582.0	579.0	566.9	541.8	488.4	379.6	263.8	200.4	161.1	152.1	149.0
20°	611.2	610.2	584.0	551.8	440.0	276.9	172.2	131.9	120.8	121.8	119.8
22.5°	642.5	637.4	606.2	539.7	350.4	184.3	122.9	117.8	113.8	112.8	114.8
25°	677.7	659.6	628.4	512.6	257.8	126.9	115.8	111.8	107.7	106.7	106.7
27.5°	691.8	679.7	638.4	447.1	163.1	110.8	108.8	103.7	98.7	95.7	94.7
30°	724.0	703.9	648.5	351.4	115.8	101.7	98.7	92.6	85.6	80.6	80.6
32.5°	756.2	732.1	649.5	245.7	96.7	91.6	86.6	78.5	69.5	64.4	65.5
35°	796.5	763.3	638.4	159.1	86.6	80.6	70.5	61.4	53.4	49.3	49.3
37.5°	865.0	833.8	593.1	104.7	78.5	68.5	58.4	48.3	41.3	38.3	38.3
40°	951.6	911.3	530.7	82.6	69.5	58.4	46.3	37.3	33.2	30.2	30.2
42.5°	1055.3	1005.0	438.0	73.5	61.4	48.3	36.3	29.2	25.2	25.2	24.2
45°	1159.0	1076.5	343.4	67.5	54.4	40.3	28.2	23.2	21.1	20.1	20.1
47.5°	1307.1	1163.1	245.7	61.4	47.3	31.2	23.2	19.1	17.1	16.1	17.1
50°	1449.0	1244.6	174.2	55.4	39.3	25.2	19.1	17.1	15.1	14.1	14.1
52.5°	1573.9	1301.0	121.8	48.3	33.2	21.1	17.1	15.1	14.1	13.1	13.1
55°	1642.4	1281.9	83.6	41.3	27.2	18.1	15.1	13.1	12.1	11.1	11.1
57.5°	1712.9	1228.5	63.4	34.2	22.2	17.1	14.1	12.1	11.1	10.1	10.1
60°	1772.3	1189.2	49.3	27.2	18.1	14.1	12.1	10.1	9.1	8.1	7.0
62.5°	1775.3	1110.7	36.3	20.1	14.1	12.1	10.1	8.1	5.0	4.0	3.0
65°	1787.4	1028.1	26.2	15.1	10.1	9.1	7.0	4.0	2.0	0.0	0.0
67.5°	1745.1	930.4	21.1	11.1	7.0	5.0	3.0	1.0	0.0	0.0	0.0
70°	1572.9	785.4	16.1	8.1	5.0	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	1125.8	510.5	11.1	6.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	600.2	217.5	8.1	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	188.3	55.4	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.3	15.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.1	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	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)