

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: P674793

Luminaire Tested: **CCW-SA-1D-722-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674793
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-722-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

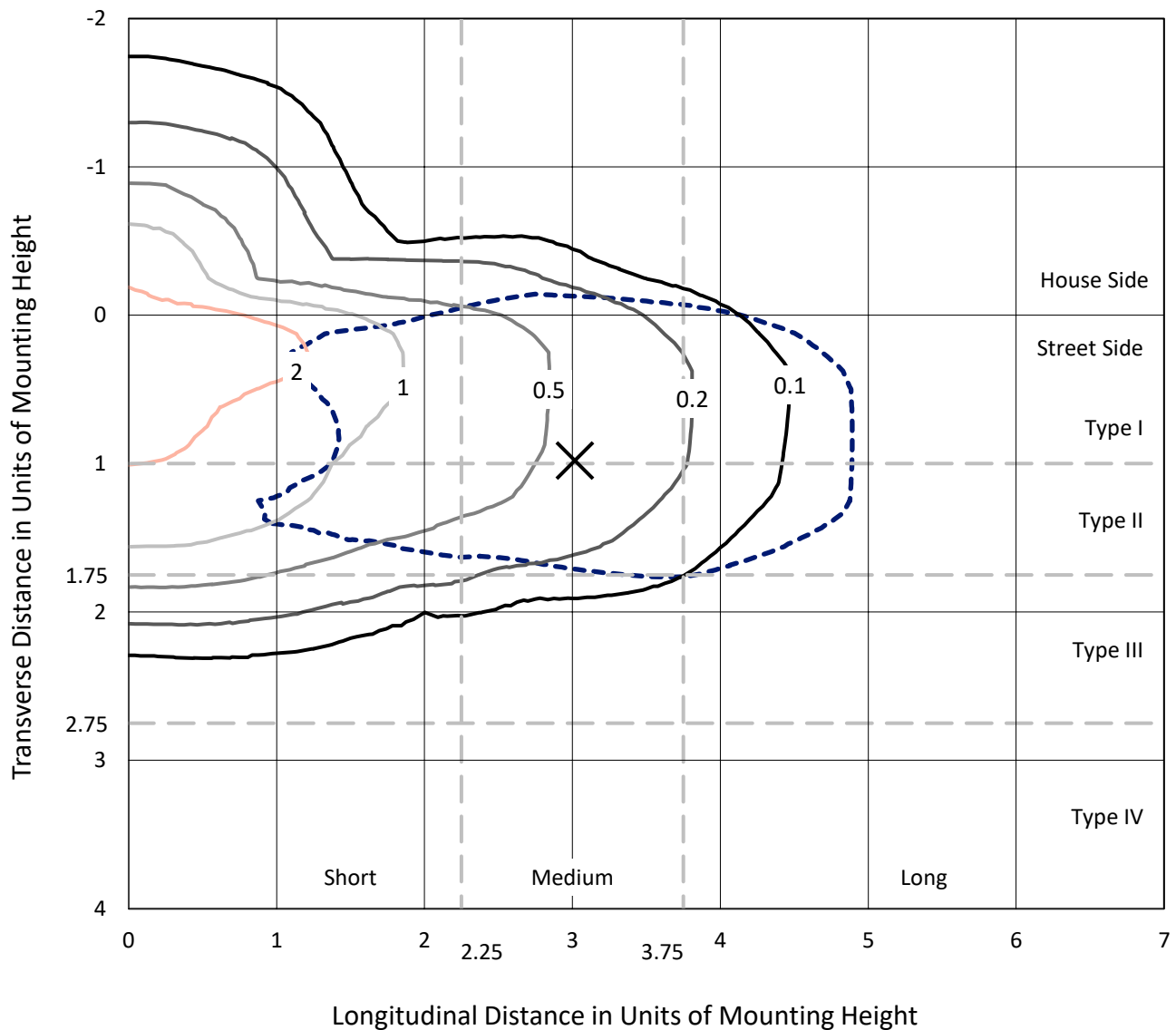
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

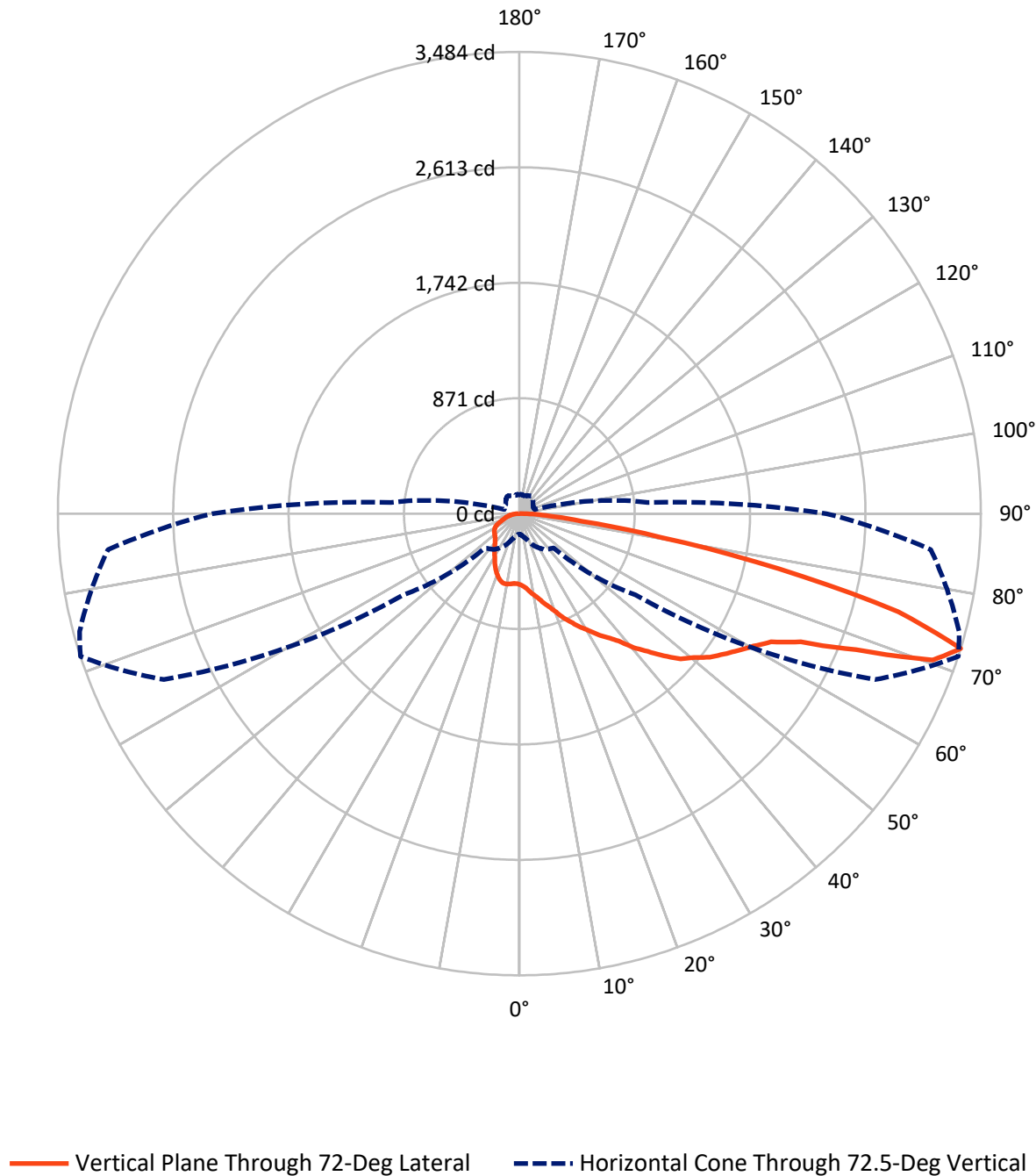
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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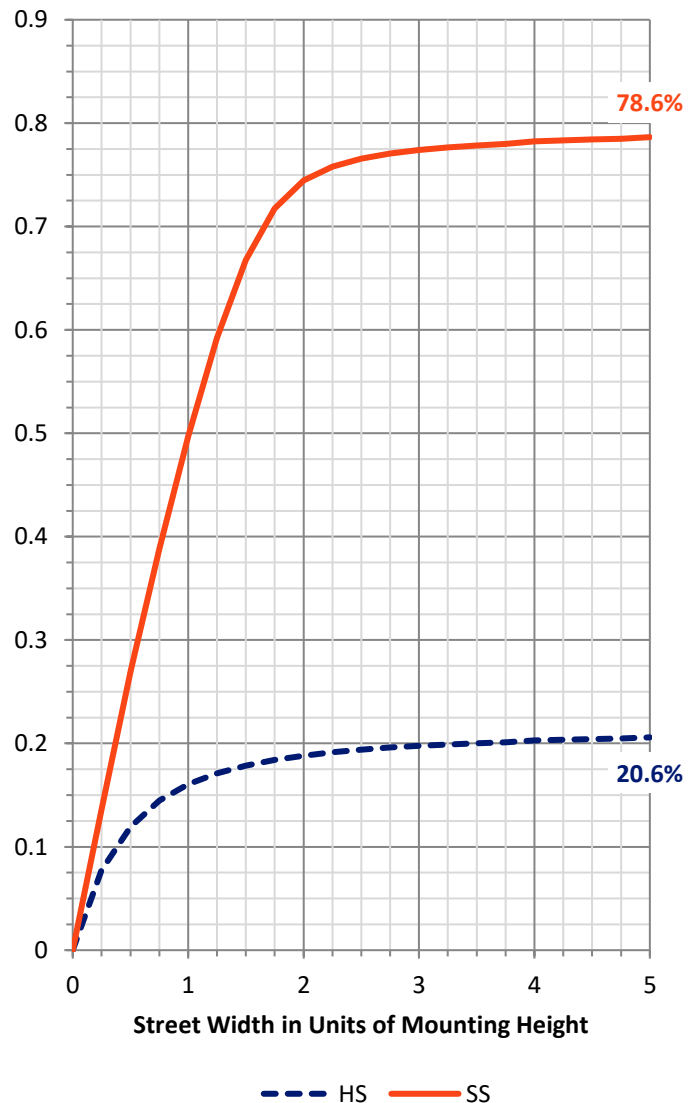
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.4	0.0	862.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3235.3	0.0	3235.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	4097.7	0.0	4097.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.3
10°-20°	164.4	4.0
20°-30°	284.5	6.9
30°-40°	420.3	10.3
40°-50°	625.0	15.3
50°-60°	856.9	20.9
60°-70°	929.4	22.7
70°-80°	655.3	16.0
80°-90°	108.9	2.7
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°	4097.7	100.0
0°-180°	4097.7	100.0

Coefficient of Utilization



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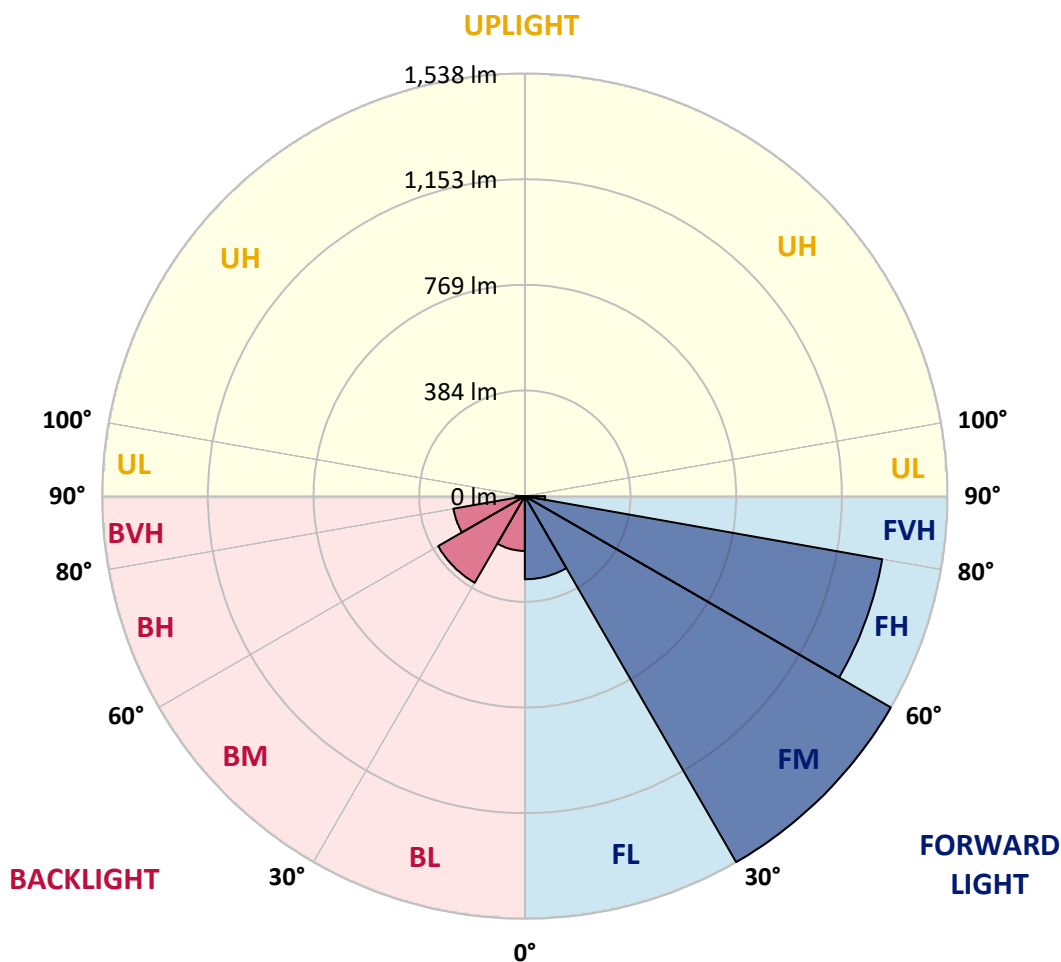
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.6	7.4			
FM	(30°-60°)	1538.0	37.5			
FH	(60°-80°)	1320.6	32.2			G1/1800
FVH	(80°-90°)	74.2	1.8			G1/100
BL	(0°-30°)	199.3	4.9	B1/500		
BM	(30°-60°)	364.2	8.9	B1/1000		
BH	(60°-80°)	264.2	6.4	B1/500		G1/500
BVH	(80°-90°)	34.7	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3
2.5°	577.6	577.6	573.1	571.6	571.6	559.5	561.0	553.4	547.4	547.4	541.3
5°	607.9	604.8	604.8	604.8	597.3	592.7	591.2	577.6	567.0	568.5	550.4
7.5°	615.4	616.9	618.4	626.0	621.5	624.5	621.5	606.3	598.8	591.2	574.6
10°	619.9	623.0	623.0	633.6	633.6	641.1	645.7	639.6	626.0	618.4	591.2
12.5°	630.5	626.0	632.0	639.6	647.2	660.8	674.4	668.3	659.3	650.2	619.9
15°	630.5	632.0	636.6	648.7	660.8	674.4	698.6	707.6	703.1	686.5	654.7
17.5°	612.4	607.9	629.0	651.7	674.4	691.0	722.8	743.9	740.9	734.9	686.5
20°	613.9	618.4	626.0	645.7	681.9	712.2	751.5	786.3	793.8	790.8	728.8
22.5°	641.1	642.6	650.2	659.3	688.0	727.3	786.3	842.2	855.8	848.3	775.7
25°	668.3	680.4	680.4	686.5	697.1	737.9	809.0	887.6	907.2	908.8	824.1
27.5°	712.2	715.2	724.3	727.3	736.4	760.6	834.7	920.8	966.2	960.2	867.9
30°	763.6	765.1	771.2	768.1	769.6	799.9	858.9	958.7	1020.6	1022.2	914.8
32.5°	824.1	836.2	839.2	819.5	822.6	830.1	896.7	1004.0	1088.7	1078.1	955.6
35°	913.3	917.8	908.8	899.7	877.0	872.5	936.0	1049.4	1147.7	1159.8	1016.1
37.5°	1023.7	1035.8	1023.7	975.3	951.1	932.9	984.4	1099.3	1218.7	1259.6	1076.6
40°	1126.5	1125.0	1112.9	1069.0	1026.7	1013.1	1053.9	1168.8	1329.1	1368.4	1164.3
42.5°	1209.7	1205.1	1197.6	1164.3	1125.0	1102.3	1134.1	1241.4	1421.3	1496.9	1265.6
45°	1282.2	1276.2	1277.7	1239.9	1202.1	1214.2	1214.2	1324.6	1530.2	1624.0	1382.0
47.5°	1350.3	1353.3	1348.8	1320.0	1291.3	1323.1	1306.4	1419.8	1637.6	1741.9	1480.3
50°	1428.9	1435.0	1419.8	1401.7	1376.0	1407.7	1386.6	1509.0	1707.1	1849.3	1598.3
52.5°	1503.0	1509.0	1522.7	1500.0	1474.3	1500.0	1451.6	1592.2	1799.4	1953.6	1689.0
55°	1521.1	1518.1	1593.7	1617.9	1631.5	1554.4	1509.0	1663.3	1871.9	2020.1	1791.8
57.5°	1438.0	1445.5	1548.4	1617.9	1763.1	1696.5	1574.1	1746.4	1947.5	2107.8	1887.1
60°	1230.8	1235.4	1363.9	1528.7	1740.4	1829.6	1749.5	1853.8	2030.7	2181.9	1994.4
62.5°	822.6	857.3	1017.6	1276.2	1580.1	1865.9	2029.2	2035.2	2132.0	2275.7	2141.1
65°	434.0	450.6	576.1	784.8	1197.6	1740.4	2292.3	2395.1	2334.6	2448.0	2352.8
67.5°	284.3	290.3	358.4	476.3	691.0	1270.1	2322.5	3019.6	2741.4	2776.2	2691.5
70°	211.7	214.7	264.6	352.3	427.9	678.9	1903.7	3311.4	3309.9	3217.7	3093.7
72.5°	155.7	160.3	195.1	269.1	329.6	365.9	1070.5	2962.1	3483.8	3436.9	3117.9
75°	122.5	125.5	143.6	208.7	266.1	240.4	542.8	2194.0	2954.6	3179.9	2853.3
77.5°	99.8	102.8	113.4	151.2	213.2	186.0	260.1	1415.3	2003.5	2289.3	2183.4
80°	83.2	83.2	90.7	107.4	164.8	140.6	154.2	795.3	1079.6	1191.5	990.4
82.5°	71.1	69.6	75.6	78.6	122.5	101.3	99.8	359.9	474.8	503.5	372.0
85°	45.4	46.9	71.1	68.0	80.1	69.6	55.9	170.9	223.8	228.3	139.1
87.5°	18.1	18.1	30.2	37.8	45.4	42.3	27.2	77.1	98.3	98.3	39.3
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°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3
2.5°	539.8	533.8	529.2	526.2	518.6	511.1	512.6	511.1	505.0	502.0	502.0
5°	545.9	539.8	532.2	520.2	512.6	503.5	506.5	500.5	494.4	499.0	491.4
7.5°	561.0	550.4	539.8	521.7	509.6	496.0	489.9	486.9	482.3	479.3	479.3
10°	582.1	567.0	547.4	520.2	500.5	479.3	476.3	470.3	465.7	465.7	464.2
12.5°	603.3	586.7	553.4	509.6	476.3	461.2	459.7	461.2	464.2	465.7	467.2
15°	630.5	603.3	551.9	489.9	456.6	450.6	458.2	464.2	470.3	476.3	474.8
17.5°	656.2	624.5	538.3	465.7	440.0	441.5	455.1	467.2	479.3	485.4	486.9
20°	691.0	644.1	518.6	437.0	423.4	437.0	455.1	470.3	483.9	491.4	492.9
22.5°	730.3	666.8	492.9	411.3	409.8	423.4	441.5	464.2	479.3	492.9	491.4
25°	765.1	681.9	459.7	390.1	393.1	402.2	423.4	447.6	462.7	477.8	473.3
27.5°	787.8	685.0	424.9	375.0	375.0	384.1	403.7	418.8	432.5	444.5	446.1
30°	813.5	678.9	385.6	355.3	355.3	367.4	375.0	384.1	391.6	394.6	397.7
32.5°	843.7	665.3	361.4	340.2	340.2	349.3	353.8	350.8	349.3	341.7	346.3
35°	872.5	645.7	334.2	320.6	326.6	331.1	329.6	320.6	311.5	297.9	293.3
37.5°	907.2	626.0	310.0	299.4	310.0	311.5	311.5	300.9	288.8	272.2	272.2
40°	960.2	610.9	290.3	285.8	296.4	294.9	287.3	279.7	284.3	275.2	275.2
42.5°	1016.1	604.8	272.2	273.7	278.2	279.7	272.2	263.1	281.2	270.7	272.2
45°	1085.7	609.4	260.1	258.6	269.1	267.6	263.1	255.5	261.6	234.4	226.8
47.5°	1150.7	618.4	254.0	248.0	260.1	263.1	257.1	240.4	231.3	214.7	211.7
50°	1209.7	638.1	248.0	235.9	248.0	254.0	243.4	225.3	214.7	204.1	204.1
52.5°	1265.6	666.8	245.0	222.3	232.9	240.4	234.4	216.2	204.1	199.6	195.1
55°	1323.1	692.5	240.4	213.2	216.2	231.3	229.8	205.6	193.5	193.5	192.0
57.5°	1404.7	727.3	234.4	198.1	204.1	220.8	220.8	201.1	187.5	189.0	190.5
60°	1487.9	768.1	228.3	183.0	187.5	210.2	213.2	195.1	183.0	184.5	183.0
62.5°	1620.9	843.7	216.2	164.8	173.9	196.6	204.1	187.5	176.9	179.9	179.9
65°	1822.0	973.8	190.5	149.7	160.3	184.5	195.1	179.9	167.8	176.9	173.9
67.5°	2145.6	1152.2	160.3	137.6	151.2	172.4	184.5	170.9	160.3	173.9	169.4
70°	2435.9	1239.9	137.6	127.0	137.6	158.8	172.4	161.8	151.2	164.8	158.8
72.5°	2318.0	972.3	119.5	114.9	125.5	143.6	160.3	149.7	139.1	146.7	140.6
75°	2000.5	774.2	104.3	102.8	111.9	130.0	146.7	139.1	128.5	131.5	128.5
77.5°	1516.6	639.6	89.2	87.7	95.3	116.4	131.5	125.5	114.9	113.4	113.4
80°	677.4	314.5	74.1	74.1	78.6	99.8	111.9	108.9	98.3	96.8	95.3
82.5°	222.3	119.5	60.5	57.5	63.5	83.2	99.8	96.8	86.2	83.2	80.1
85°	89.2	57.5	43.8	43.8	49.9	69.6	89.2	83.2	69.6	62.0	62.0
87.5°	30.2	24.2	22.7	22.7	31.8	46.9	66.5	55.9	49.9	43.8	45.4
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)