

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: P675706

Luminaire Tested: **CCW-SA-2C-740-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675706
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

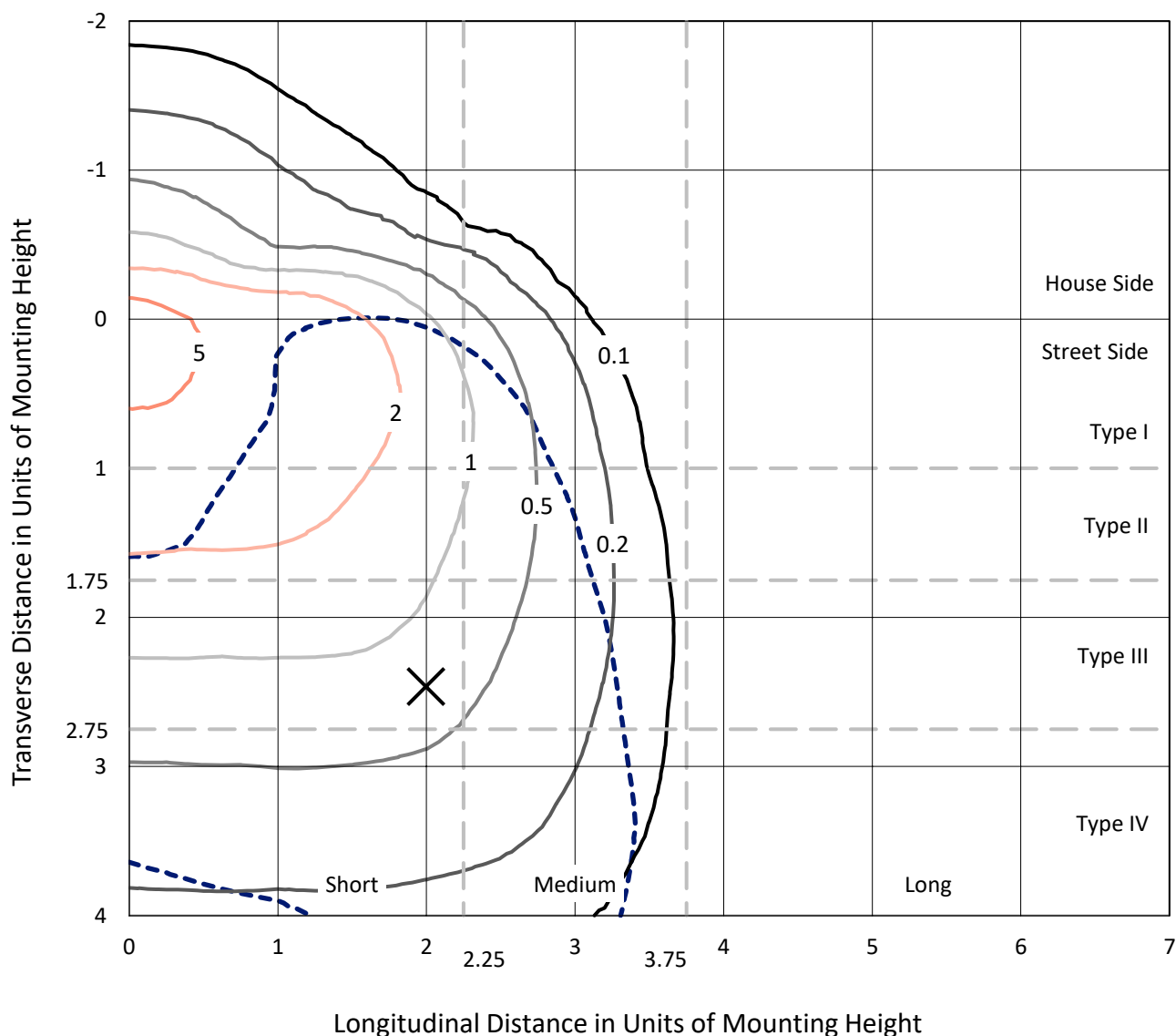
Lumens per Lamp: N/A
Luminaire Lumens: 8860 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1
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

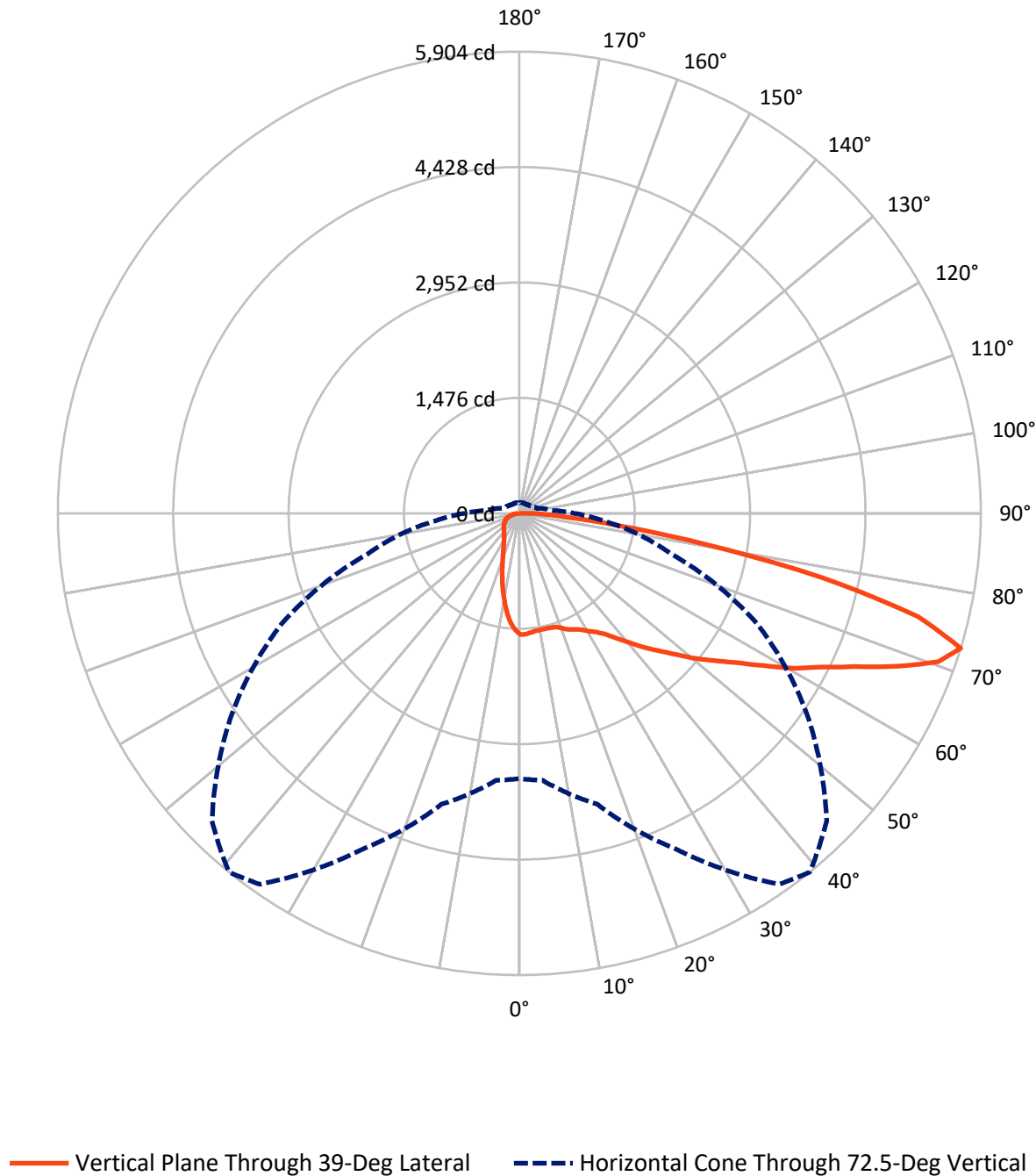
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1316.8	0.0	1316.8
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	7543.2	0.0	7543.2
	% Fixture	85.1	0.0	85.1
Total	Lumens	8860.0	0.0	8860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.5
10°-20°	349.8	3.9
20°-30°	532.9	6.0
30°-40°	779.5	8.8
40°-50°	1193.4	13.5
50°-60°	1750.3	19.8
60°-70°	2232.2	25.2
70°-80°	1612.8	18.2
80°-90°	272.1	3.1
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°	8860.0	100.0
0°-180°	8860.0	100.0

Coefficient of Utilization



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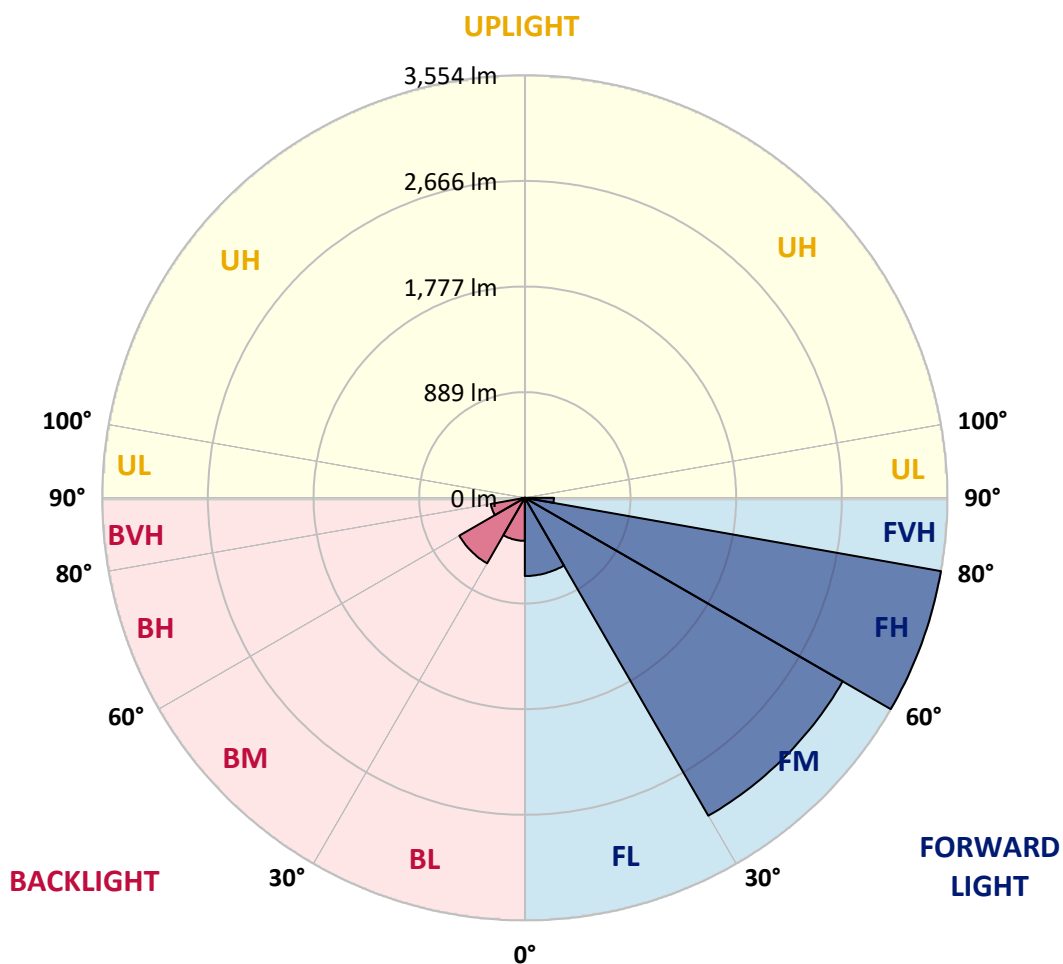
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	657.5	7.4			
FM	(30°-60°)	3087.0	34.8			
FH	(60°-80°)	3554.1	40.1			G2/5000
FVH	(80°-90°)	244.5	2.8			G3/500
BL	(0°-30°)	362.1	4.1	B1/500		
BM	(30°-60°)	636.1	7.2	B1/1000		
BH	(60°-80°)	290.9	3.3	B1/500		G1/500
BVH	(80°-90°)	27.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9
2.5°	1574.2	1577.5	1570.9	1564.2	1560.9	1547.6	1560.9	1554.2	1547.6	1547.6	1547.6
5°	1554.2	1557.5	1557.5	1550.9	1554.2	1530.9	1527.6	1530.9	1520.9	1514.3	1511.0
7.5°	1524.3	1530.9	1544.2	1540.9	1527.6	1517.6	1520.9	1517.6	1501.0	1491.0	1464.4
10°	1501.0	1507.6	1514.3	1520.9	1517.6	1514.3	1511.0	1497.6	1494.3	1471.0	1444.4
12.5°	1477.7	1477.7	1481.0	1507.6	1511.0	1511.0	1491.0	1491.0	1481.0	1477.7	1437.7
15°	1454.4	1464.4	1491.0	1497.6	1511.0	1517.6	1507.6	1507.6	1491.0	1467.7	1437.7
17.5°	1461.0	1477.7	1504.3	1520.9	1527.6	1527.6	1540.9	1530.9	1507.6	1494.3	1464.4
20°	1494.3	1497.6	1530.9	1560.9	1567.5	1567.5	1554.2	1544.2	1527.6	1504.3	1464.4
22.5°	1514.3	1537.6	1577.5	1594.2	1614.1	1614.1	1597.5	1574.2	1550.9	1527.6	1484.3
25°	1600.8	1604.1	1620.8	1647.4	1657.4	1644.1	1627.4	1600.8	1570.9	1547.6	1507.6
27.5°	1660.7	1677.4	1697.3	1710.6	1694.0	1684.0	1670.7	1640.7	1617.4	1597.5	1540.9
30°	1770.5	1750.6	1763.9	1770.5	1740.6	1747.2	1710.6	1684.0	1657.4	1657.4	1594.2
32.5°	1837.1	1853.7	1840.4	1837.1	1813.8	1810.5	1787.2	1757.2	1740.6	1760.6	1674.0
35°	1953.6	1943.6	1943.6	1940.3	1913.6	1897.0	1897.0	1843.8	1860.4	1903.7	1797.2
37.5°	2013.5	2010.2	2030.1	2046.8	2020.1	2030.1	2020.1	1996.9	2003.5	2080.1	1950.3
40°	2073.4	2096.7	2136.6	2143.3	2159.9	2173.2	2166.6	2163.3	2189.9	2313.0	2156.6
42.5°	2130.0	2149.9	2209.8	2263.1	2303.0	2346.3	2349.6	2349.6	2436.2	2612.5	2406.2
45°	2203.2	2219.8	2303.0	2409.5	2476.1	2506.0	2532.7	2562.6	2679.1	2888.8	2672.5
47.5°	2303.0	2316.3	2416.2	2549.3	2679.1	2695.7	2749.0	2782.3	2958.7	3171.7	2945.4
50°	2446.1	2436.2	2516.0	2709.1	2835.5	2915.4	2991.9	3051.9	3224.9	3457.9	3158.4
52.5°	2562.6	2562.6	2622.5	2878.8	3051.9	3128.4	3208.3	3291.5	3491.2	3744.1	3331.4
55°	2762.3	2742.3	2779.0	3045.2	3294.8	3368.0	3521.1	3591.0	3784.0	3957.1	3477.8
57.5°	2898.8	2908.7	2952.0	3264.9	3581.0	3670.9	3824.0	3873.9	4043.6	4180.1	3584.3
60°	3078.5	3045.2	3138.4	3507.8	3897.2	4023.7	4150.1	4180.1	4306.5	4323.2	3634.3
62.5°	3251.5	3244.9	3324.8	3750.8	4236.7	4326.5	4456.3	4489.6	4542.8	4436.3	3564.4
65°	3358.0	3401.3	3551.1	4017.0	4622.7	4722.6	4852.3	4785.8	4725.9	4336.5	3221.6
67.5°	3504.5	3524.4	3754.1	4306.5	5068.7	5218.4	5331.6	5068.7	4622.7	3927.1	2712.4
70°	3537.8	3591.0	3890.5	4609.4	5528.0	5681.0	5687.7	4972.2	4246.6	3195.0	1966.9
72.5°	3391.3	3427.9	3850.6	4735.9	5790.9	5904.0	5561.2	4496.2	3364.7	2013.5	1071.6
75°	2852.2	2955.3	3351.4	4346.5	5308.3	5265.0	4712.6	3431.3	2020.1	891.9	452.6
77.5°	1986.9	1990.2	2402.9	3161.7	3973.7	3963.7	3361.4	1990.2	865.3	359.4	266.2
80°	881.9	945.2	1194.8	1704.0	2412.9	2412.9	1960.2	988.4	432.7	233.0	183.0
82.5°	519.2	539.1	639.0	795.4	1174.8	1238.0	938.5	659.0	296.2	146.4	113.2
85°	382.7	416.0	475.9	479.2	555.8	565.8	519.2	572.4	203.0	79.9	93.2
87.5°	286.2	306.2	379.4	316.2	296.2	279.6	319.5	585.7	76.5	39.9	30.0
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°	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9
2.5°	1534.2	1534.2	1527.6	1514.3	1514.3	1487.7	1494.3	1501.0	1484.3	1484.3	1487.7
5°	1511.0	1497.6	1481.0	1461.0	1447.7	1411.1	1404.5	1381.2	1377.8	1371.2	1361.2
7.5°	1464.4	1444.4	1414.4	1384.5	1341.2	1307.9	1268.0	1234.7	1221.4	1211.4	1208.1
10°	1421.1	1417.8	1367.8	1307.9	1241.4	1178.1	1118.2	1075.0	1048.3	1031.7	1028.4
12.5°	1421.1	1394.5	1324.6	1241.4	1144.9	1051.7	975.1	915.2	878.6	852.0	842.0
15°	1414.4	1387.8	1294.6	1168.2	1058.3	931.9	825.4	762.1	708.9	682.3	685.6
17.5°	1421.1	1381.2	1251.4	1114.9	961.8	825.4	698.9	622.4	569.1	549.1	545.8
20°	1424.4	1374.5	1218.1	1041.7	862.0	708.9	589.1	515.9	475.9	462.6	462.6
22.5°	1417.8	1354.5	1168.2	955.2	775.4	612.4	512.5	449.3	422.7	406.0	412.7
25°	1447.7	1351.2	1121.6	881.9	675.6	532.5	455.9	409.4	392.7	382.7	386.1
27.5°	1454.4	1351.2	1085.0	798.7	589.1	472.6	412.7	382.7	369.4	362.8	359.4
30°	1481.0	1357.9	1041.7	715.5	519.2	426.0	379.4	362.8	352.8	349.4	349.4
32.5°	1554.2	1377.8	995.1	645.6	459.3	386.1	356.1	342.8	336.1	332.8	336.1
35°	1640.7	1431.1	945.2	572.4	416.0	359.4	336.1	326.2	322.8	322.8	322.8
37.5°	1773.9	1511.0	901.9	512.5	379.4	332.8	316.2	312.8	309.5	312.8	312.8
40°	1927.0	1597.5	862.0	465.9	352.8	316.2	299.5	299.5	296.2	299.5	302.9
42.5°	2103.4	1704.0	822.0	419.3	329.5	302.9	289.5	286.2	282.9	289.5	292.9
45°	2346.3	1850.4	795.4	392.7	312.8	289.5	276.2	276.2	272.9	272.9	279.6
47.5°	2549.3	1990.2	795.4	366.1	302.9	279.6	266.2	266.2	259.6	262.9	262.9
50°	2719.0	2110.0	812.1	359.4	289.5	269.6	259.6	252.9	249.6	249.6	249.6
52.5°	2832.2	2183.2	825.4	352.8	282.9	256.3	249.6	246.3	239.6	236.3	239.6
55°	2945.4	2233.1	828.7	352.8	272.9	243.0	236.3	236.3	229.6	226.3	226.3
57.5°	2988.6	2213.2	782.1	346.1	266.2	233.0	226.3	223.0	219.7	216.3	216.3
60°	2968.7	2140.0	678.9	329.5	259.6	226.3	213.0	213.0	213.0	206.3	209.7
62.5°	2832.2	1890.4	545.8	302.9	249.6	213.0	199.7	206.3	206.3	203.0	203.0
65°	2472.8	1560.9	442.6	279.6	236.3	203.0	189.7	199.7	203.0	199.7	196.4
67.5°	1976.9	1201.4	366.1	252.9	219.7	186.4	176.4	186.4	189.7	186.4	186.4
70°	1357.9	775.4	296.2	226.3	196.4	169.7	159.7	166.4	166.4	169.7	169.7
72.5°	702.2	419.3	243.0	193.0	169.7	153.1	143.1	143.1	139.8	139.8	139.8
75°	349.4	286.2	203.0	163.1	143.1	129.8	123.1	116.5	116.5	116.5	116.5
77.5°	243.0	219.7	166.4	129.8	116.5	106.5	106.5	96.5	96.5	96.5	96.5
80°	183.0	173.1	126.5	99.8	89.9	83.2	83.2	79.9	79.9	76.5	76.5
82.5°	129.8	139.8	96.5	73.2	66.6	63.2	63.2	59.9	59.9	53.2	53.2
85°	103.2	116.5	73.2	53.2	49.9	43.3	43.3	39.9	39.9	36.6	33.3
87.5°	30.0	63.2	30.0	20.0	20.0	20.0	20.0	16.6	16.6	13.3	13.3
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)