

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: P674908

Luminaire Tested: **CCW-SA-2C-840-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674908
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-840-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

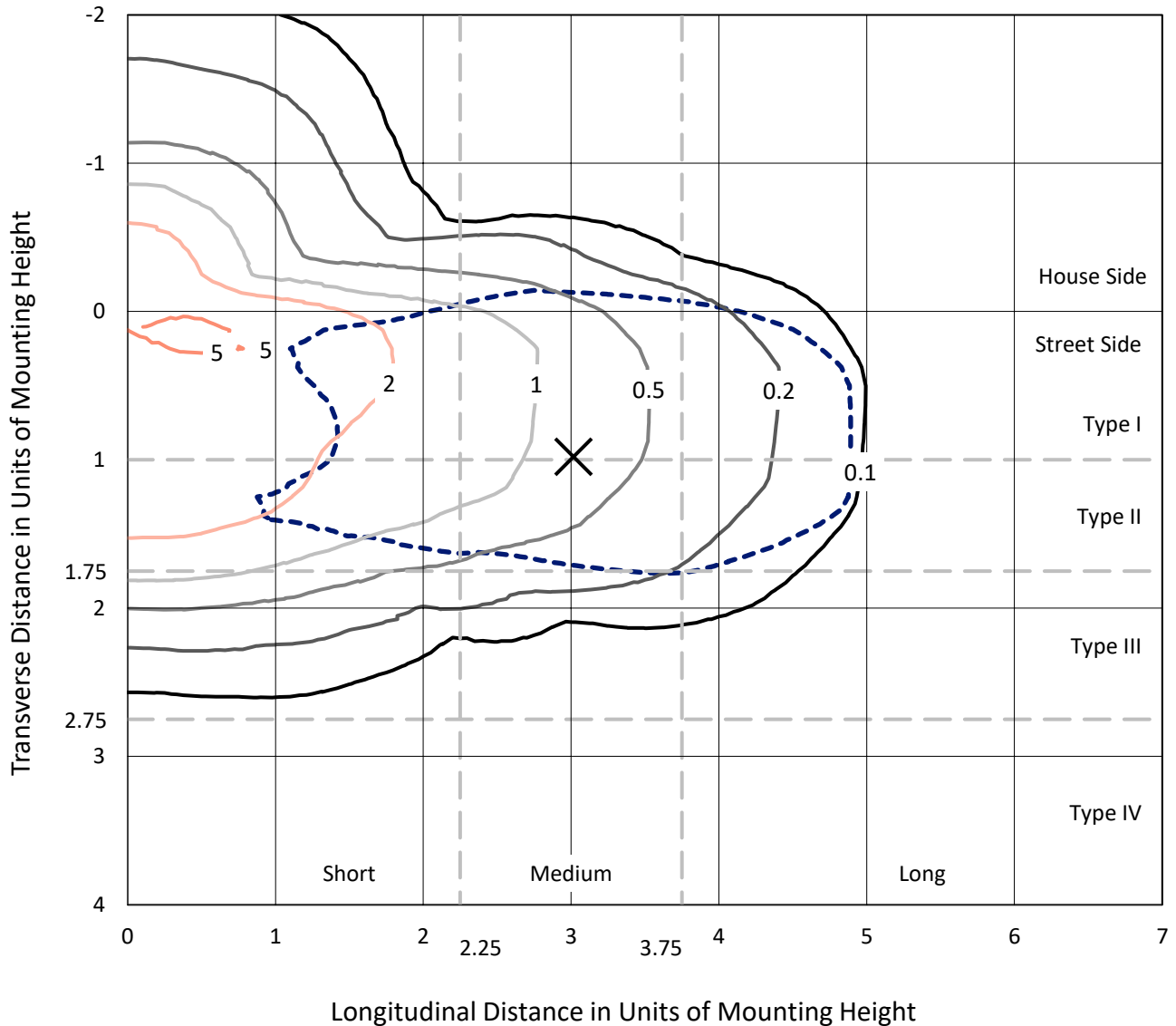
Lumens per Lamp: N/A
Luminaire Lumens: 7689.5 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

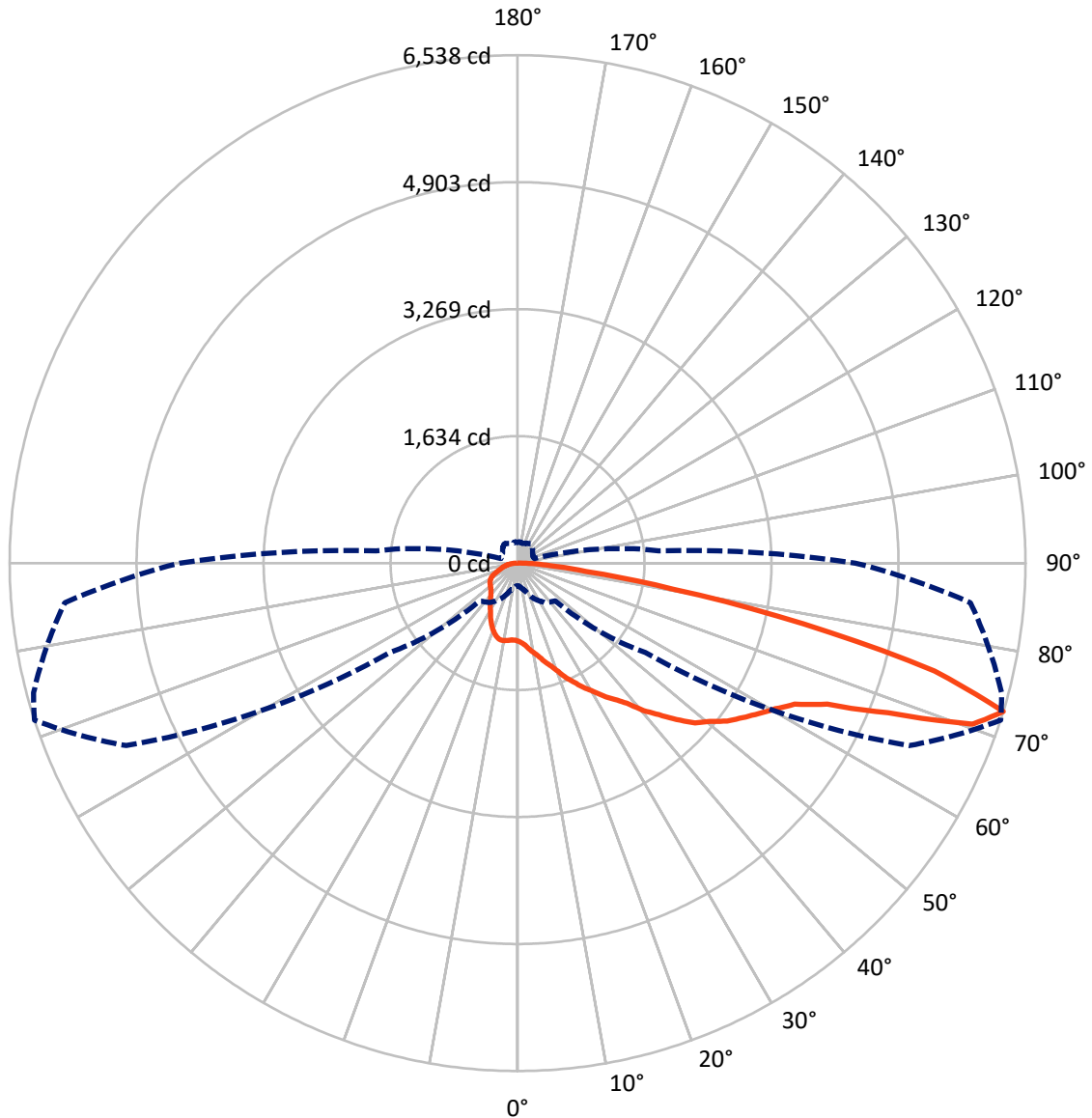
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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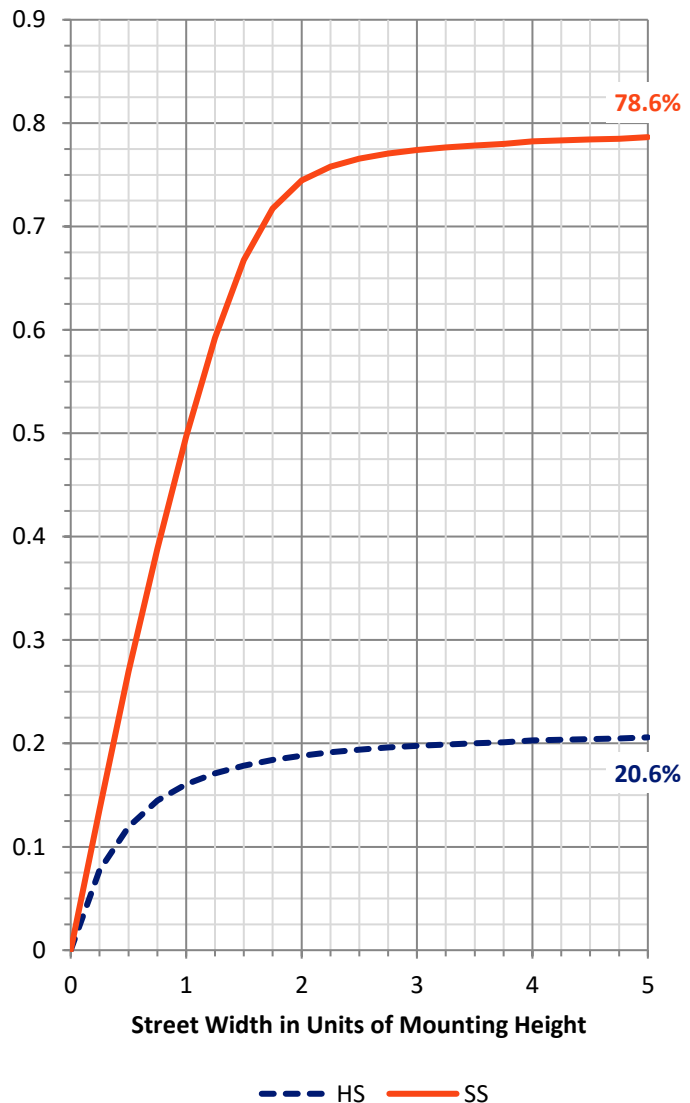
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1618.3	0.0	1618.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	6071.3	0.0	6071.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	7689.5	0.0	7689.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	1.3
10°-20°	308.6	4.0
20°-30°	534.0	6.9
30°-40°	788.7	10.3
40°-50°	1172.9	15.3
50°-60°	1608.0	20.9
60°-70°	1744.2	22.7
70°-80°	1229.7	16.0
80°-90°	204.3	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°	7689.5	100.0
0°-180°	7689.5	100.0



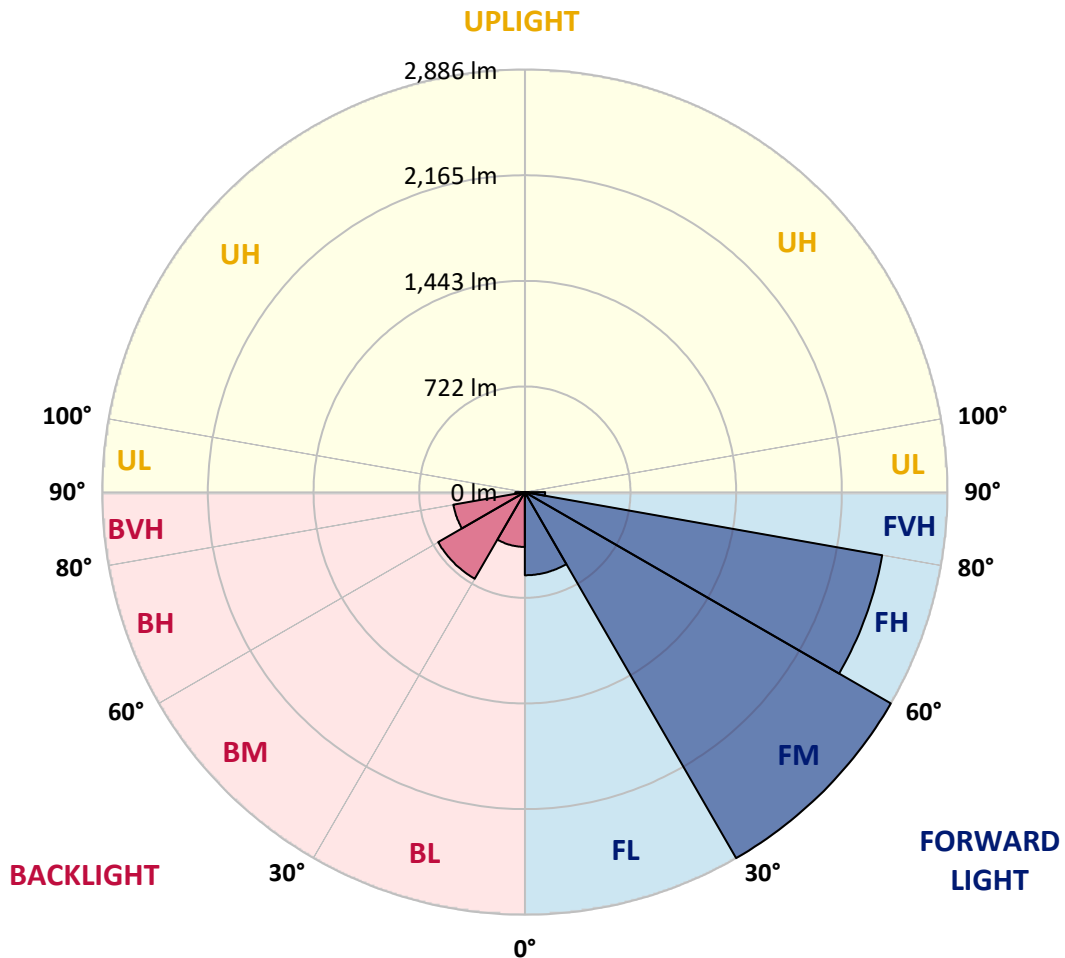
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.8	7.4			
FM (30°-60°)	2886.1	37.5			
FH (60°-80°)	2478.1	32.2			G2/5000
FVH (80°-90°)	139.3	1.8			G2/225
BL (0°-30°)	374.0	4.9	B1/500		
BM (30°-60°)	683.5	8.9	B1/1000		
BH (60°-80°)	495.7	6.4	B1/500		G1/500
BVH (80°-90°)	65.0	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5
2.5°	1083.9	1083.9	1075.4	1072.6	1072.6	1049.9	1052.7	1038.5	1027.2	1027.2	1015.8
5°	1140.7	1135.0	1135.0	1135.0	1120.8	1112.3	1109.5	1083.9	1064.1	1066.9	1032.8
7.5°	1154.9	1157.7	1160.5	1174.7	1166.2	1171.9	1166.2	1137.8	1123.6	1109.5	1078.2
10°	1163.4	1169.0	1169.0	1188.9	1188.9	1203.1	1211.6	1200.3	1174.7	1160.5	1109.5
12.5°	1183.2	1174.7	1186.1	1200.3	1214.4	1240.0	1265.5	1254.2	1237.1	1220.1	1163.4
15°	1183.2	1186.1	1194.6	1217.3	1240.0	1265.5	1310.9	1327.9	1319.4	1288.2	1228.6
17.5°	1149.2	1140.7	1180.4	1223.0	1265.5	1296.7	1356.3	1396.0	1390.4	1379.0	1288.2
20°	1152.0	1160.5	1174.7	1211.6	1279.7	1336.5	1410.2	1475.5	1489.7	1484.0	1367.7
22.5°	1203.1	1205.9	1220.1	1237.1	1291.1	1364.8	1475.5	1580.5	1606.0	1591.8	1455.6
25°	1254.2	1276.9	1276.9	1288.2	1308.1	1384.7	1518.1	1665.6	1702.5	1705.3	1546.4
27.5°	1336.5	1342.1	1359.2	1364.8	1381.9	1427.3	1566.3	1728.0	1813.2	1801.8	1628.7
30°	1432.9	1435.8	1447.1	1441.4	1444.3	1501.0	1611.7	1799.0	1915.3	1918.1	1716.7
32.5°	1546.4	1569.1	1574.8	1537.9	1543.6	1557.8	1682.6	1884.1	2043.0	2023.1	1793.3
35°	1713.8	1722.4	1705.3	1688.3	1645.7	1637.2	1756.4	1969.2	2153.7	2176.4	1906.8
37.5°	1921.0	1943.7	1921.0	1830.2	1784.8	1750.7	1847.2	2062.9	2287.0	2363.6	2020.3
40°	2113.9	2111.1	2088.4	2006.1	1926.7	1901.1	1977.7	2193.4	2494.2	2567.9	2184.9
42.5°	2270.0	2261.5	2247.3	2184.9	2111.1	2068.5	2128.1	2329.6	2667.2	2809.1	2375.0
45°	2406.2	2394.8	2397.7	2326.7	2255.8	2278.5	2278.5	2485.6	2871.5	3047.5	2593.5
47.5°	2533.9	2539.6	2531.0	2477.1	2423.2	2482.8	2451.6	2664.4	3073.0	3268.8	2777.9
50°	2681.4	2692.8	2664.4	2630.4	2582.1	2641.7	2602.0	2831.8	3203.5	3470.3	2999.2
52.5°	2820.5	2831.8	2857.4	2814.8	2766.6	2814.8	2724.0	2987.9	3376.6	3666.0	3169.5
55°	2854.5	2848.8	2990.7	3036.1	3061.7	2916.9	2831.8	3121.2	3512.8	3790.9	3362.4
57.5°	2698.5	2712.6	2905.6	3036.1	3308.5	3183.7	2953.8	3277.3	3654.7	3955.5	3541.2
60°	2309.7	2318.2	2559.4	2868.7	3266.0	3433.4	3283.0	3478.8	3810.7	4094.5	3742.7
62.5°	1543.6	1608.9	1909.6	2394.8	2965.2	3501.5	3807.9	3819.3	4000.9	4270.4	4017.9
65°	814.4	845.6	1081.1	1472.7	2247.3	3266.0	4301.6	4494.6	4381.1	4593.9	4415.1
67.5°	533.4	544.8	672.5	893.8	1296.7	2383.5	4358.4	5666.5	5144.4	5209.6	5050.7
70°	397.2	402.9	496.6	661.1	803.0	1274.0	3572.4	6214.1	6211.3	6038.2	5805.5
72.5°	292.3	300.8	366.0	505.1	618.6	686.7	2008.9	5558.6	6537.6	6449.6	5850.9
75°	229.8	235.5	269.6	391.6	499.4	451.2	1018.7	4117.2	5544.5	5967.2	5354.3
77.5°	187.3	192.9	212.8	283.7	400.1	349.0	488.0	2655.9	3759.7	4296.0	4097.3
80°	156.1	156.1	170.2	201.5	309.3	263.9	289.4	1492.5	2026.0	2235.9	1858.6
82.5°	133.4	130.5	141.9	147.5	229.8	190.1	187.3	675.3	891.0	944.9	698.0
85°	85.1	88.0	133.4	127.7	150.4	130.5	105.0	320.6	419.9	428.5	261.0
87.5°	34.0	34.0	56.7	70.9	85.1	79.4	51.1	144.7	184.4	184.4	73.8
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°	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5
2.5°	1013.0	1001.6	993.1	987.4	973.3	959.1	961.9	959.1	947.7	942.0	942.0
5°	1024.3	1013.0	998.8	976.1	961.9	944.9	950.6	939.2	927.9	936.4	922.2
7.5°	1052.7	1032.8	1013.0	978.9	956.2	930.7	919.3	913.7	905.2	899.5	899.5
10°	1092.4	1064.1	1027.2	976.1	939.2	899.5	893.8	882.5	873.9	873.9	871.1
12.5°	1132.2	1100.9	1038.5	956.2	893.8	865.4	862.6	865.4	871.1	873.9	876.8
15°	1183.2	1132.2	1035.7	919.3	856.9	845.6	859.8	871.1	882.5	893.8	891.0
17.5°	1231.5	1171.9	1010.1	873.9	825.7	828.5	854.1	876.8	899.5	910.8	913.7
20°	1296.7	1208.8	973.3	820.0	794.5	820.0	854.1	882.5	908.0	922.2	925.0
22.5°	1370.5	1251.3	925.0	771.8	769.0	794.5	828.5	871.1	899.5	925.0	922.2
25°	1435.8	1279.7	862.6	732.1	737.7	754.8	794.5	839.9	868.3	896.6	888.1
27.5°	1478.3	1285.4	797.3	703.7	703.7	720.7	757.6	786.0	811.5	834.2	837.1
30°	1526.6	1274.0	723.6	666.8	666.8	689.5	703.7	720.7	734.9	740.6	746.3
32.5°	1583.3	1248.5	678.2	638.4	638.4	655.5	664.0	658.3	655.5	641.3	649.8
35°	1637.2	1211.6	627.1	601.5	612.9	621.4	618.6	601.5	584.5	559.0	550.5
37.5°	1702.5	1174.7	581.7	561.8	581.7	584.5	584.5	564.7	542.0	510.7	510.7
40°	1801.8	1146.3	544.8	536.3	556.1	553.3	539.1	524.9	533.4	516.4	516.4
42.5°	1906.8	1135.0	510.7	513.6	522.1	524.9	510.7	493.7	527.8	507.9	510.7
45°	2037.3	1143.5	488.0	485.2	505.1	502.2	493.7	479.5	490.9	439.8	425.6
47.5°	2159.3	1160.5	476.7	465.3	488.0	493.7	482.4	451.2	434.1	402.9	397.2
50°	2270.0	1197.4	465.3	442.6	465.3	476.7	456.8	422.8	402.9	383.1	383.1
52.5°	2375.0	1251.3	459.7	417.1	437.0	451.2	439.8	405.8	383.1	374.5	366.0
55°	2482.8	1299.6	451.2	400.1	405.8	434.1	431.3	385.9	363.2	363.2	360.4
57.5°	2636.0	1364.8	439.8	371.7	383.1	414.3	414.3	377.4	351.8	354.7	357.5
60°	2792.1	1441.4	428.5	343.3	351.8	394.4	400.1	366.0	343.3	346.2	343.3
62.5°	3041.8	1583.3	405.8	309.3	326.3	368.9	383.1	351.8	332.0	337.7	337.7
65°	3419.2	1827.3	357.5	280.9	300.8	346.2	366.0	337.7	315.0	332.0	326.3
67.5°	4026.4	2162.2	300.8	258.2	283.7	323.5	346.2	320.6	300.8	326.3	317.8
70°	4571.2	2326.7	258.2	238.3	258.2	297.9	323.5	303.6	283.7	309.3	297.9
72.5°	4349.9	1824.5	224.2	215.6	235.5	269.6	300.8	280.9	261.0	275.2	263.9
75°	3754.0	1452.8	195.8	192.9	210.0	244.0	275.2	261.0	241.2	246.9	241.2
77.5°	2846.0	1200.3	167.4	164.6	178.8	218.5	246.9	235.5	215.6	212.8	212.8
80°	1271.2	590.2	139.0	139.0	147.5	187.3	210.0	204.3	184.4	181.6	178.8
82.5°	417.1	224.2	113.5	107.8	119.2	156.1	187.3	181.6	161.7	156.1	150.4
85°	167.4	107.8	82.3	82.3	93.6	130.5	167.4	156.1	130.5	116.3	116.3
87.5°	56.7	45.4	42.6	42.6	59.6	88.0	124.8	105.0	93.6	82.3	85.1
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)