

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: P675417

Luminaire Tested: **CCW-SA-2B-740-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675417
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-740-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

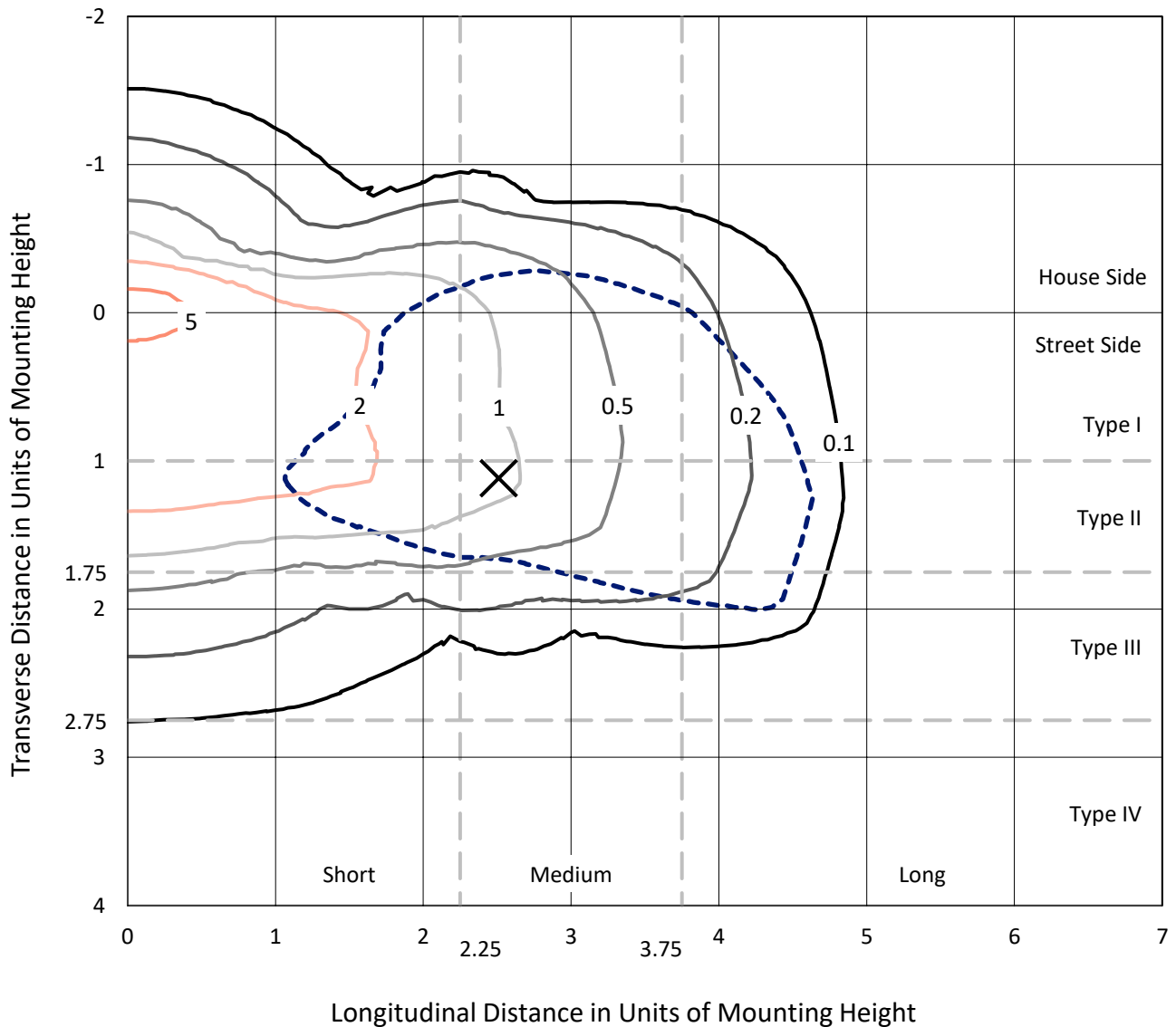
Lumens per Lamp: N/A
Luminaire Lumens: 6835 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 46
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

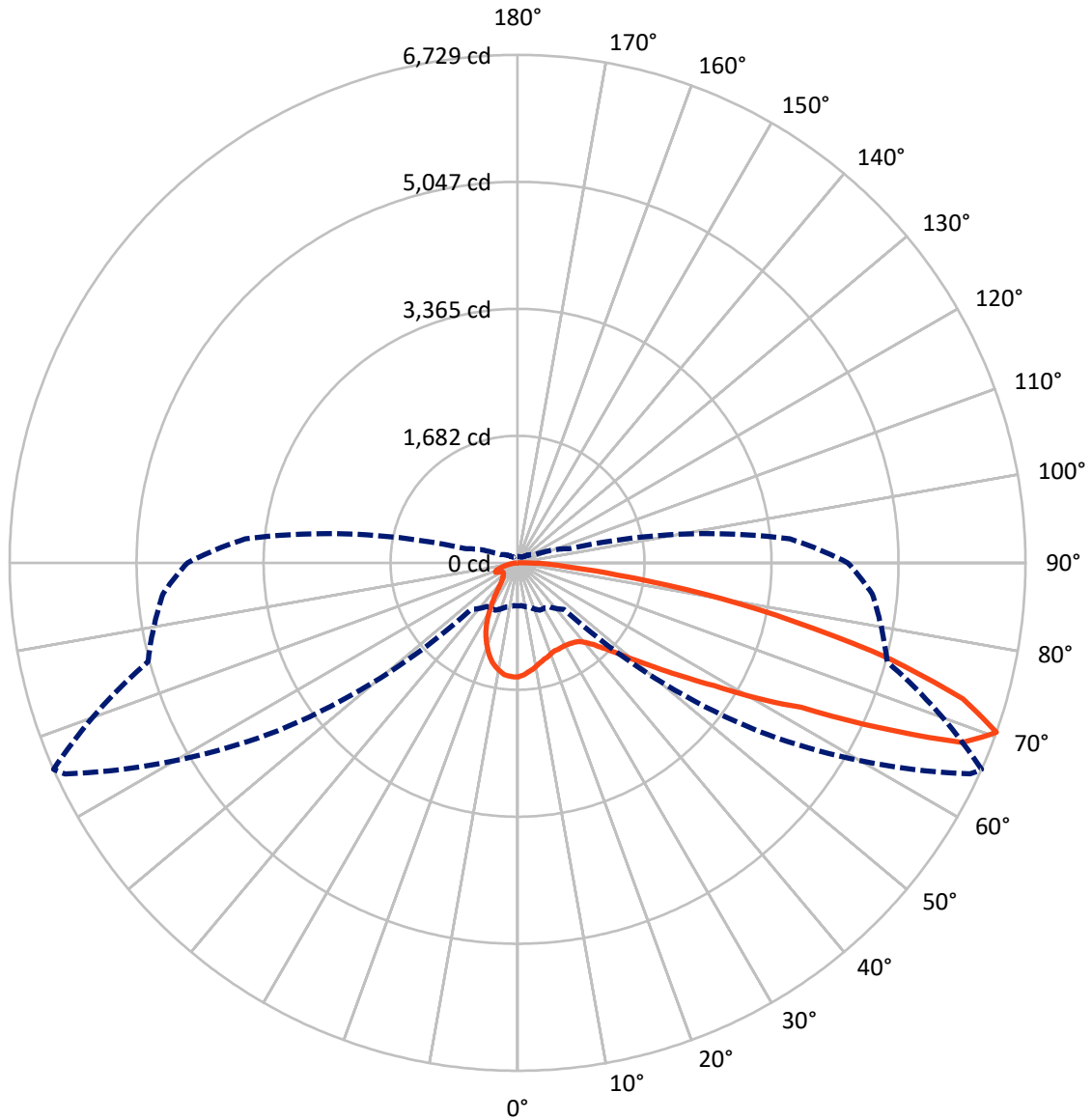
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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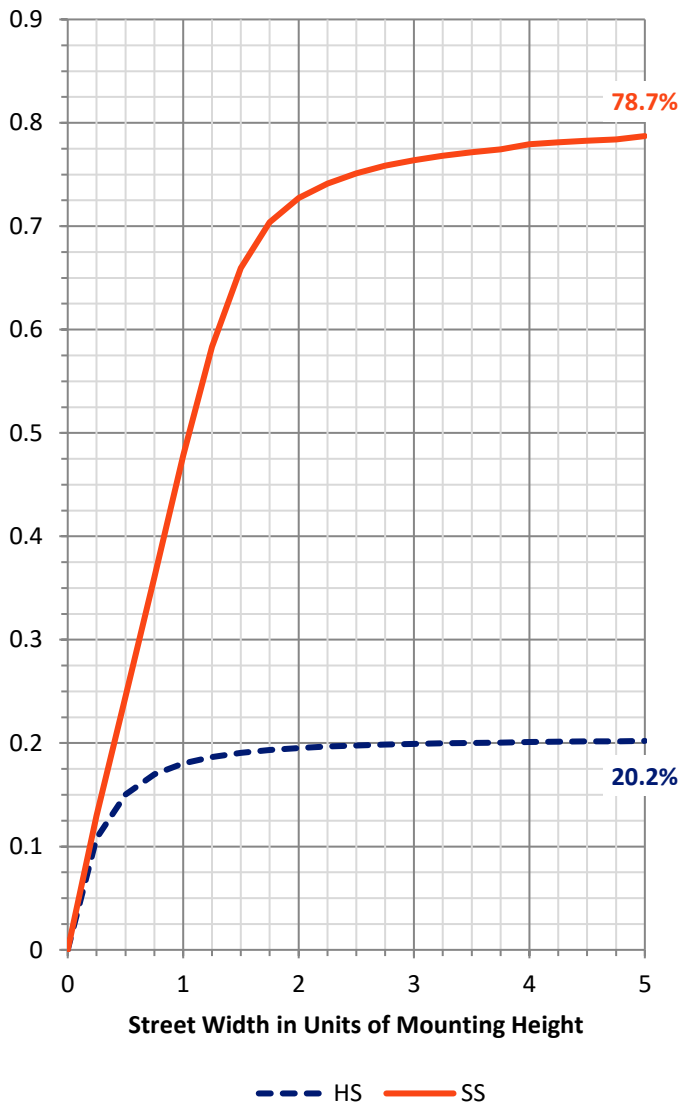
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1399.0	0.0	1399.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5436.0	0.0	5436.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	6835.0	0.0	6835.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	2.0
10°-20°	328.7	4.8
20°-30°	451.4	6.6
30°-40°	605.2	8.9
40°-50°	878.2	12.8
50°-60°	1334.8	19.5
60°-70°	1648.6	24.1
70°-80°	1225.9	17.9
80°-90°	228.7	3.3
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°	6835.0	100.0
0°-180°	6835.0	100.0

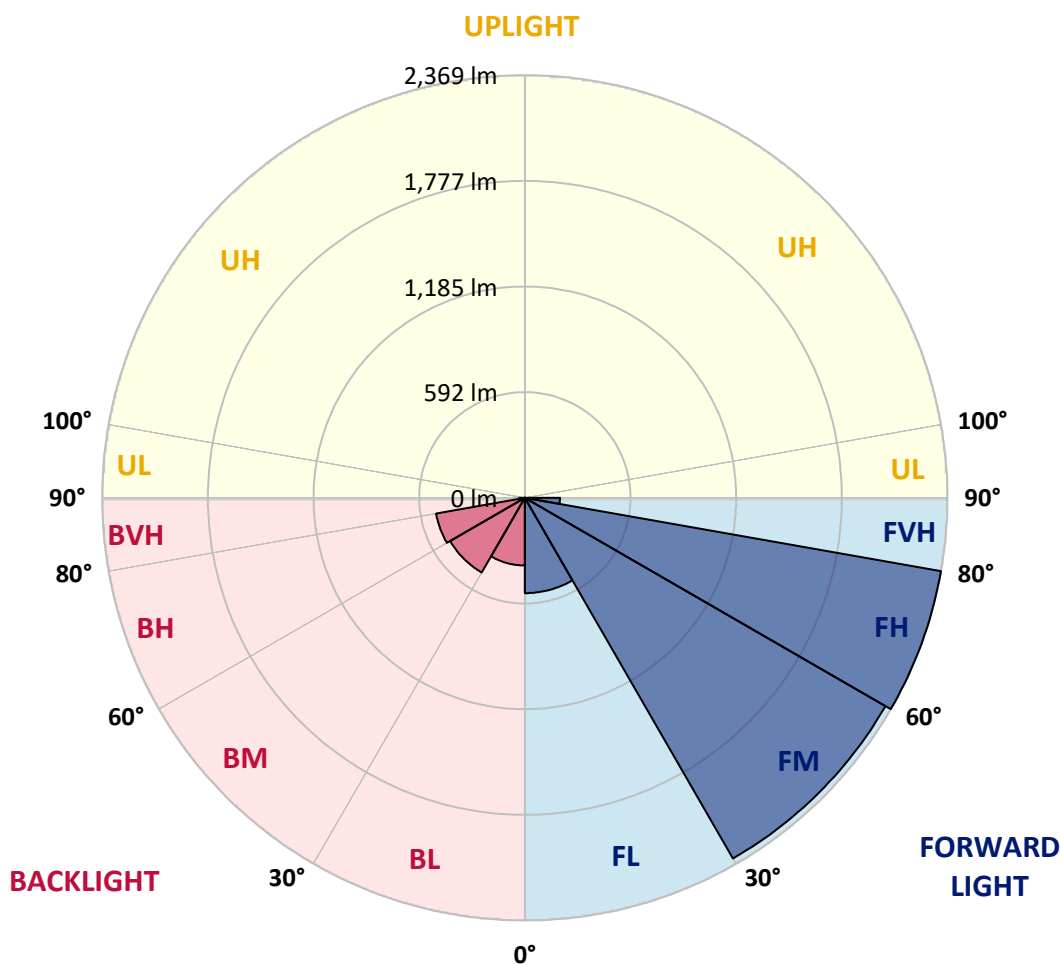


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.5	7.8			
FM (30°-60°)	2334.9	34.2			
FH (60°-80°)	2369.5	34.7			G2/5000
FVH (80°-90°)	197.1	2.9			G2/225
BL (0°-30°)	379.2	5.5	B1/500		
BM (30°-60°)	483.3	7.1	B1/1000		
BH (60°-80°)	505.0	7.4	B2/1000		G2/1000
BVH (80°-90°)	31.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1
2.5°	1436.3	1444.0	1446.5	1451.6	1464.3	1474.5	1489.7	1497.4	1489.7	1499.9	1499.9
5°	1337.2	1327.0	1352.4	1362.6	1377.9	1398.2	1433.8	1461.8	1454.1	1484.6	1510.1
7.5°	1253.3	1253.3	1260.9	1283.8	1301.6	1332.1	1370.2	1413.5	1426.2	1466.8	1505.0
10°	1177.0	1187.2	1187.2	1222.8	1233.0	1268.6	1332.1	1385.5	1388.0	1456.7	1510.1
12.5°	1136.4	1131.3	1156.7	1166.9	1197.4	1233.0	1283.8	1349.9	1352.4	1426.2	1499.9
15°	1103.3	1108.4	1121.1	1146.5	1174.5	1202.5	1250.8	1311.8	1324.5	1410.9	1494.8
17.5°	1105.9	1108.4	1108.4	1126.2	1149.1	1182.1	1227.9	1299.1	1306.7	1390.6	1487.2
20°	1121.1	1110.9	1118.6	1126.2	1141.4	1172.0	1210.1	1271.1	1278.7	1388.0	1505.0
22.5°	1154.2	1146.5	1144.0	1141.4	1138.9	1156.7	1205.0	1255.8	1263.5	1375.3	1512.6
25°	1207.5	1205.0	1187.2	1169.4	1156.7	1156.7	1194.8	1268.6	1266.0	1375.3	1517.7
27.5°	1271.1	1271.1	1268.6	1235.5	1197.4	1177.0	1202.5	1263.5	1260.9	1375.3	1530.4
30°	1357.5	1357.5	1349.9	1319.4	1250.8	1192.3	1207.5	1258.4	1266.0	1365.2	1520.2
32.5°	1451.6	1449.0	1456.7	1428.7	1357.5	1263.5	1238.0	1268.6	1276.2	1375.3	1522.8
35°	1520.2	1535.5	1560.9	1535.5	1464.3	1337.2	1281.3	1288.9	1294.0	1377.9	1532.9
37.5°	1599.0	1616.8	1652.4	1672.8	1596.5	1449.0	1349.9	1321.9	1321.9	1410.9	1535.5
40°	1713.4	1695.6	1756.7	1792.2	1761.7	1586.3	1456.7	1383.0	1385.5	1454.1	1568.5
42.5°	1797.3	1815.1	1878.7	1942.2	1904.1	1754.1	1573.6	1482.1	1482.1	1517.7	1619.4
45°	1891.4	1911.7	2000.7	2077.0	2104.9	1954.9	1733.8	1624.5	1619.4	1642.3	1710.9
47.5°	1995.6	2023.6	2125.3	2214.2	2288.0	2163.4	1939.7	1797.3	1794.8	1812.6	1863.4
50°	2115.1	2125.3	2209.2	2371.9	2519.3	2440.5	2191.4	2041.4	2028.7	2036.3	2104.9
52.5°	2150.7	2143.1	2239.7	2415.1	2684.6	2778.6	2534.6	2318.5	2313.4	2295.6	2384.6
55°	2021.0	2046.5	2140.5	2364.2	2819.3	3177.7	2910.8	2697.3	2651.5	2603.2	2710.0
57.5°	1761.7	1764.3	1871.1	2135.4	2715.1	3508.2	3548.9	3068.4	3071.0	2941.3	3063.3
60°	1370.2	1362.6	1446.5	1685.5	2417.6	3609.9	4245.5	3660.8	3635.3	3279.4	3391.3
62.5°	988.9	973.7	991.5	1131.3	1807.5	3454.8	4929.3	4324.3	4217.5	3625.2	3711.6
65°	813.5	821.1	828.8	836.4	1014.3	2849.8	5140.3	5407.2	5264.9	4029.4	4065.0
67.5°	673.7	678.8	711.8	757.6	752.5	1682.9	4896.3	6408.9	6355.5	4530.2	4370.0
70°	572.0	569.5	607.6	691.5	704.2	874.5	3876.8	6614.8	6729.2	5069.1	4715.8
72.5°	457.6	462.7	495.7	607.6	691.5	737.2	2232.0	6172.4	6169.9	5483.5	4530.2
75°	327.9	327.9	373.7	503.4	668.6	729.6	1235.5	5010.7	5104.7	5153.0	3930.2
77.5°	216.1	226.3	261.8	376.2	627.9	714.4	783.0	3643.0	3759.9	3854.0	3007.4
80°	147.4	152.5	175.4	261.8	531.3	719.4	640.6	2450.7	2496.4	2127.8	1220.3
82.5°	89.0	91.5	116.9	183.0	381.3	683.8	602.5	1352.4	1324.5	643.2	350.8
85°	48.3	50.8	73.7	122.0	251.7	597.4	592.3	663.5	617.8	236.4	147.4
87.5°	17.8	17.8	33.0	61.0	144.9	409.3	516.1	394.0	368.6	119.5	68.6
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°	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1
2.5°	1512.6	1512.6	1512.6	1512.6	1510.1	1499.9	1507.5	1505.0	1489.7	1492.3	1482.1
5°	1507.5	1520.2	1512.6	1502.4	1489.7	1459.2	1449.0	1441.4	1421.1	1413.5	1421.1
7.5°	1520.2	1510.1	1505.0	1487.2	1436.3	1408.4	1372.8	1329.6	1299.1	1291.4	1299.1
10°	1517.7	1517.7	1494.8	1444.0	1395.7	1314.3	1268.6	1192.3	1149.1	1136.4	1138.9
12.5°	1507.5	1515.1	1479.6	1398.2	1306.7	1207.5	1123.6	1042.3	966.0	935.5	930.4
15°	1517.7	1510.1	1446.5	1342.3	1215.2	1077.9	955.9	836.4	765.2	719.4	709.3
17.5°	1502.4	1494.8	1403.3	1266.0	1095.7	920.3	767.7	638.1	566.9	549.1	549.1
20°	1520.2	1471.9	1352.4	1174.5	971.1	747.4	574.5	477.9	460.1	460.1	465.2
22.5°	1517.7	1466.8	1309.2	1085.5	821.1	564.4	427.1	399.1	401.7	422.0	419.5
25°	1502.4	1456.7	1248.2	986.4	663.5	424.5	353.4	345.7	363.5	386.4	383.9
27.5°	1499.9	1428.7	1192.3	869.4	505.9	335.6	307.6	307.6	325.4	345.7	343.2
30°	1484.6	1405.8	1123.6	737.2	381.3	292.4	282.2	282.2	289.8	300.0	300.0
32.5°	1482.1	1375.3	1047.4	600.0	305.1	264.4	259.3	261.8	261.8	266.9	264.4
35°	1461.8	1334.7	968.6	465.2	264.4	249.1	244.1	241.5	241.5	239.0	239.0
37.5°	1454.1	1309.2	887.2	361.0	246.6	236.4	231.3	223.7	221.2	221.2	218.6
40°	1461.8	1283.8	808.4	292.4	231.3	226.3	218.6	208.5	205.9	205.9	205.9
42.5°	1489.7	1281.3	727.1	254.2	223.7	216.1	205.9	195.7	193.2	195.7	193.2
45°	1553.3	1301.6	648.3	236.4	213.5	205.9	193.2	185.6	183.0	185.6	185.6
47.5°	1657.5	1357.5	577.1	226.3	205.9	195.7	183.0	175.4	175.4	175.4	175.4
50°	1830.4	1464.3	508.4	218.6	200.8	188.1	175.4	165.2	162.7	162.7	165.2
52.5°	2089.7	1647.3	452.5	213.5	193.2	178.0	165.2	157.6	152.5	150.0	152.5
55°	2402.4	1914.3	434.7	208.5	183.0	170.3	157.6	147.4	142.4	142.4	139.8
57.5°	2737.9	2209.2	465.2	203.4	175.4	160.2	147.4	137.3	132.2	129.7	129.7
60°	3101.5	2557.4	577.1	200.8	167.8	150.0	137.3	129.7	122.0	119.5	119.5
62.5°	3432.0	2872.7	777.9	198.3	162.7	139.8	127.1	116.9	111.9	109.3	109.3
65°	3808.2	3223.5	973.7	208.5	160.2	132.2	116.9	106.8	101.7	99.1	99.1
67.5°	4136.1	3528.6	1088.1	233.9	167.8	122.0	104.2	96.6	94.1	91.5	91.5
70°	4375.1	3622.6	729.6	256.8	180.5	114.4	94.1	89.0	83.9	83.9	83.9
72.5°	4054.8	3233.7	432.2	241.5	170.3	106.8	83.9	78.8	76.3	76.3	73.7
75°	3467.6	2753.2	333.0	195.7	137.3	91.5	73.7	68.6	66.1	66.1	63.6
77.5°	2560.0	1972.7	246.6	155.1	106.8	73.7	63.6	61.0	58.5	55.9	55.9
80°	1001.6	864.3	167.8	114.4	78.8	58.5	53.4	50.8	48.3	45.8	45.8
82.5°	310.1	261.8	96.6	76.3	55.9	45.8	43.2	40.7	38.1	35.6	35.6
85°	134.7	129.7	63.6	48.3	38.1	30.5	30.5	28.0	25.4	22.9	22.9
87.5°	66.1	63.6	35.6	22.9	20.3	15.3	15.3	12.7	10.2	10.2	10.2
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)