

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: P675705

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675705
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-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL4 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

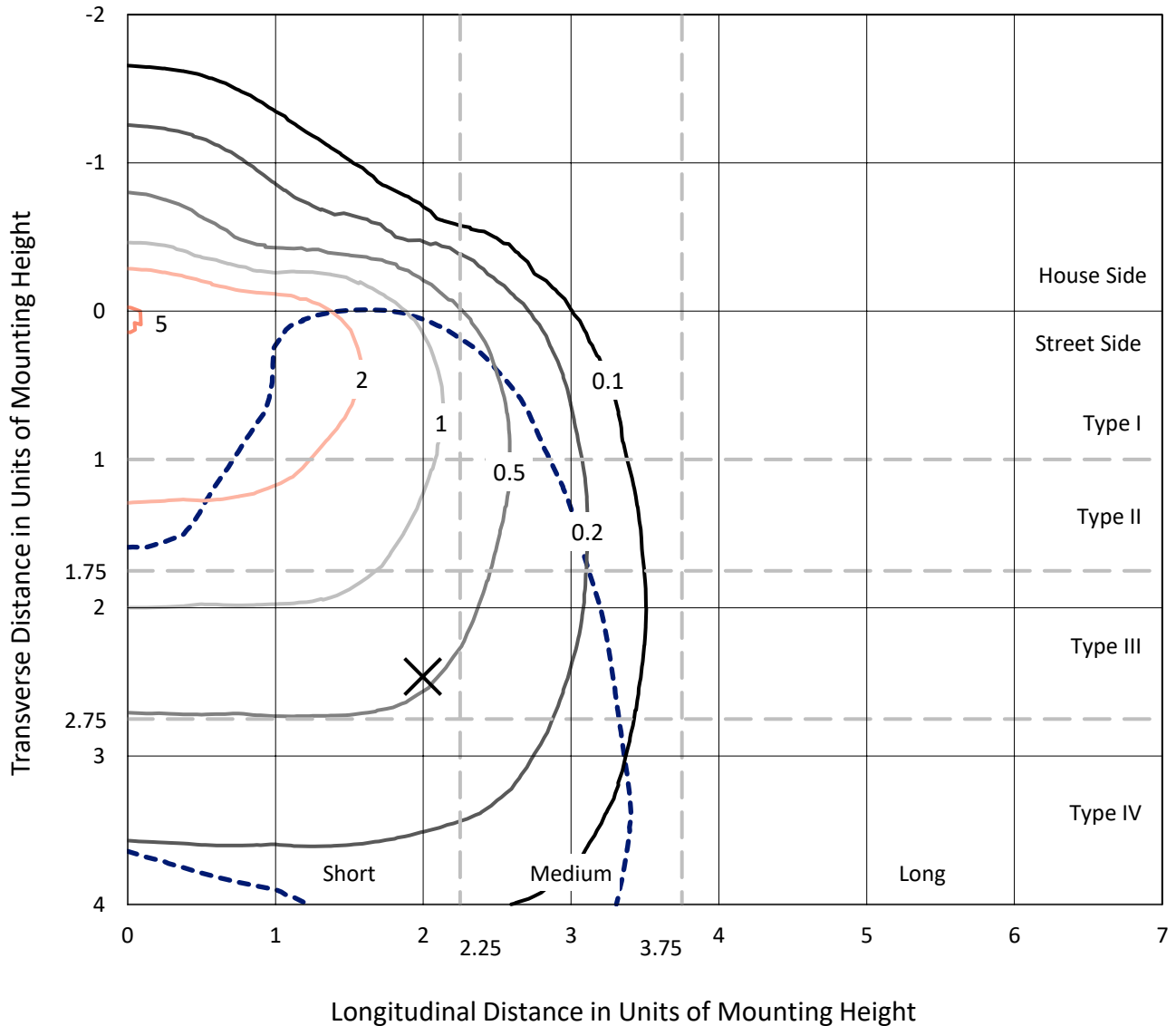
Lumens per Lamp: N/A
Luminaire Lumens: 6767.5 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P675705
 CATALOG NUMBER: CCW-SA-2B-740-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

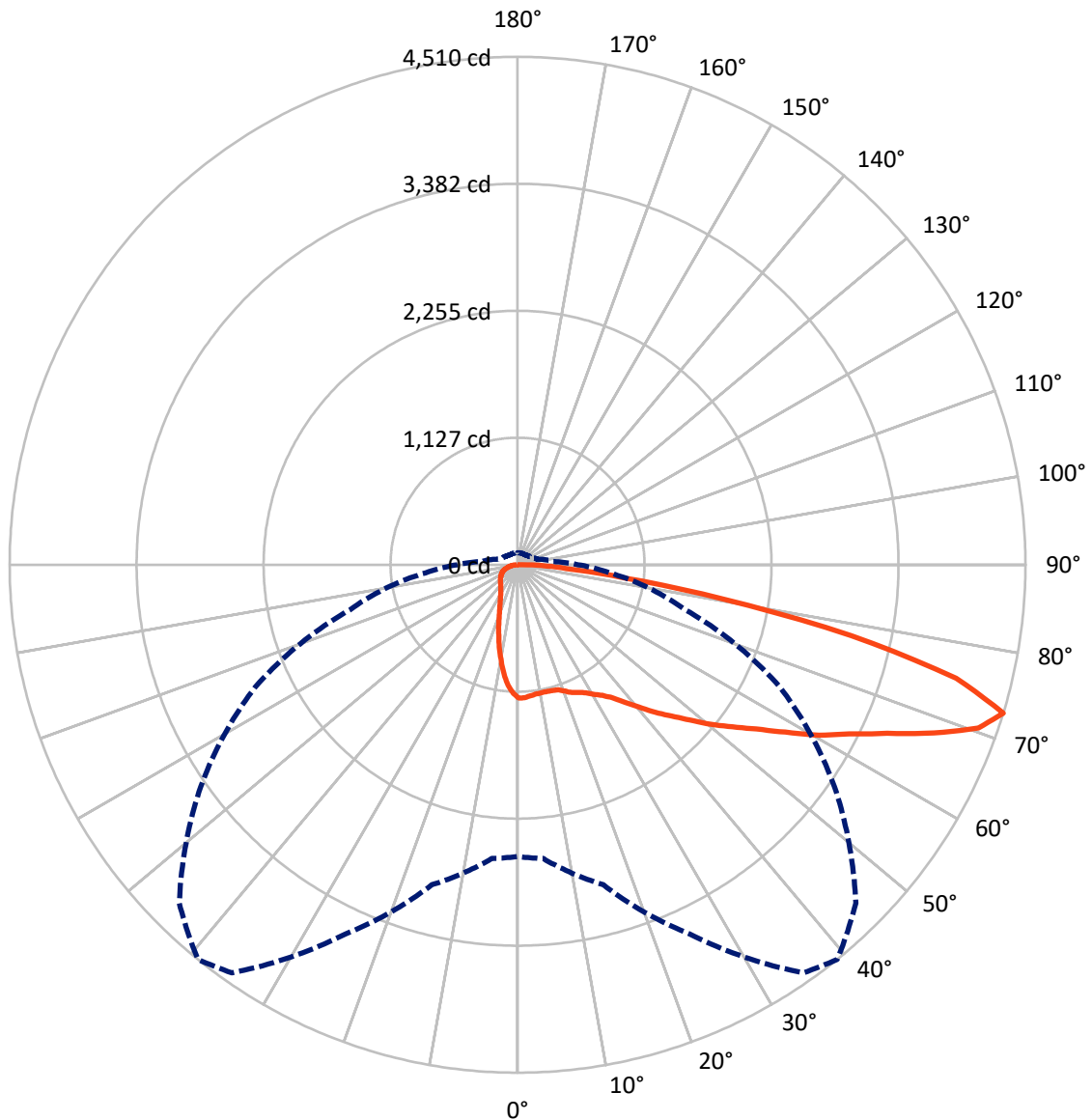
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P675705
CATALOG NUMBER: CCW-SA-2B-740-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675705
 CATALOG NUMBER: CCW-SA-2B-740-U-SL4

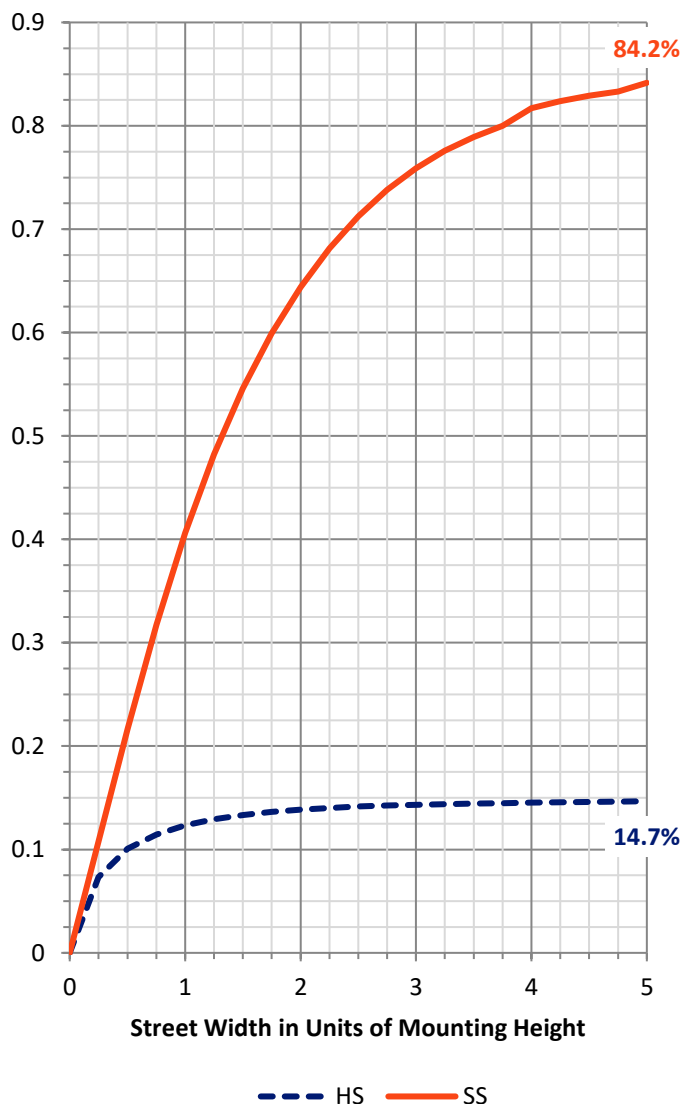
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1005.8	0.0	1005.8
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	5761.7	0.0	5761.7
	% Fixture	85.1	0.0	85.1
Total	Lumens	6767.5	0.0	6767.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	1.5
10°-20°	267.2	3.9
20°-30°	407.0	6.0
30°-40°	595.4	8.8
40°-50°	911.6	13.5
50°-60°	1336.9	19.8
60°-70°	1705.1	25.2
70°-80°	1231.9	18.2
80°-90°	207.8	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°	6767.5	100.0
0°-180°	6767.5	100.0

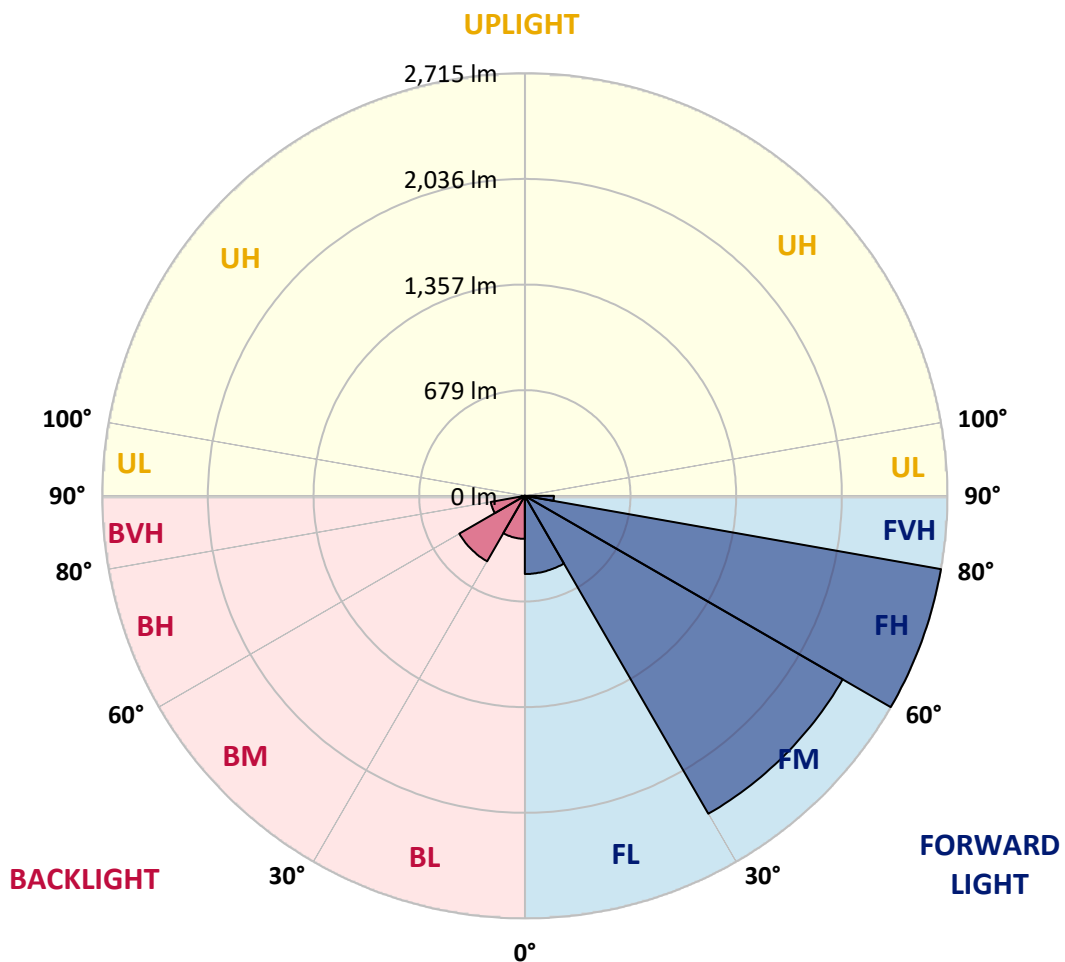


REPORT NUMBER: P675705
 CATALOG NUMBER: CCW-SA-2B-740-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.3	7.4			
FM (30°-60°)	2358.0	34.8			
FH (60°-80°)	2714.8	40.1			G2/5000
FVH (80°-90°)	186.8	2.8			G2/225
BL (0°-30°)	276.6	4.1	B1/500		
BM (30°-60°)	485.9	7.2	B1/1000		
BH (60°-80°)	222.2	3.3	B1/500		G1/500
BVH (80°-90°)	21.1	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-G2
 Type IV Short





REPORT NUMBER: P675705

CATALOG NUMBER: CCW-SA-2B-740-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6
2.5°	1202.4	1205.0	1199.9	1194.8	1192.2	1182.1	1192.2	1187.2	1182.1	1182.1	1182.1
5°	1187.2	1189.7	1189.7	1184.6	1187.2	1169.4	1166.8	1169.4	1161.7	1156.7	1154.1
7.5°	1164.3	1169.4	1179.5	1177.0	1166.8	1159.2	1161.7	1159.2	1146.5	1138.9	1118.5
10°	1146.5	1151.6	1156.7	1161.7	1159.2	1156.7	1154.1	1143.9	1141.4	1123.6	1103.3
12.5°	1128.7	1128.7	1131.2	1151.6	1154.1	1154.1	1138.9	1138.9	1131.2	1128.7	1098.2
15°	1110.9	1118.5	1138.9	1143.9	1154.1	1159.2	1151.6	1151.6	1138.9	1121.1	1098.2
17.5°	1116.0	1128.7	1149.0	1161.7	1166.8	1166.8	1177.0	1169.4	1151.6	1141.4	1118.5
20°	1141.4	1143.9	1169.4	1192.2	1197.3	1197.3	1187.2	1179.5	1166.8	1149.0	1118.5
22.5°	1156.7	1174.4	1205.0	1217.7	1232.9	1232.9	1220.2	1202.4	1184.6	1166.8	1133.8
25°	1222.7	1225.3	1238.0	1258.3	1266.0	1255.8	1243.1	1222.7	1199.9	1182.1	1151.6
27.5°	1268.5	1281.2	1296.5	1306.6	1293.9	1286.3	1276.1	1253.3	1235.5	1220.2	1177.0
30°	1352.4	1337.1	1347.3	1352.4	1329.5	1334.6	1306.6	1286.3	1266.0	1266.0	1217.7
32.5°	1403.2	1415.9	1405.8	1403.2	1385.4	1382.9	1365.1	1342.2	1329.5	1344.8	1278.7
35°	1492.2	1484.6	1484.6	1482.0	1461.7	1449.0	1449.0	1408.3	1421.0	1454.1	1372.7
37.5°	1538.0	1535.4	1550.7	1563.4	1543.1	1550.7	1543.1	1525.3	1530.3	1588.8	1489.7
40°	1583.7	1601.5	1632.0	1637.1	1649.8	1660.0	1654.9	1652.4	1672.7	1766.8	1647.3
42.5°	1626.9	1642.2	1688.0	1728.6	1759.1	1792.2	1794.7	1794.7	1860.8	1995.5	1837.9
45°	1682.9	1695.6	1759.1	1840.5	1891.3	1914.2	1934.5	1957.4	2046.4	2206.5	2041.3
47.5°	1759.1	1769.3	1845.6	1947.2	2046.4	2059.1	2099.8	2125.2	2259.9	2422.6	2249.8
50°	1868.4	1860.8	1921.8	2069.3	2165.9	2226.9	2285.3	2331.1	2463.3	2641.2	2412.5
52.5°	1957.4	1957.4	2003.2	2198.9	2331.1	2389.6	2450.6	2514.1	2666.7	2859.9	2544.6
55°	2109.9	2094.7	2122.7	2326.0	2516.7	2572.6	2689.5	2742.9	2890.4	3022.6	2656.5
57.5°	2214.2	2221.8	2254.8	2493.8	2735.3	2803.9	2920.9	2959.0	3088.6	3192.9	2737.8
60°	2351.4	2326.0	2397.2	2679.4	2976.8	3073.4	3170.0	3192.9	3289.5	3302.2	2776.0
62.5°	2483.6	2478.5	2539.6	2864.9	3236.1	3304.7	3403.9	3429.3	3470.0	3388.6	2722.6
65°	2565.0	2598.0	2712.4	3068.3	3531.0	3607.2	3706.4	3655.5	3609.8	3312.4	2460.8
67.5°	2676.8	2692.1	2867.5	3289.5	3871.6	3986.0	4072.4	3871.6	3531.0	2999.7	2071.8
70°	2702.3	2742.9	2971.7	3520.8	4222.4	4339.4	4344.4	3797.9	3243.7	2440.4	1502.4
72.5°	2590.4	2618.4	2941.2	3617.4	4423.3	4509.7	4247.8	3434.4	2570.1	1538.0	818.6
75°	2178.6	2257.4	2559.9	3320.0	4054.6	4021.6	3599.6	2620.9	1543.1	681.3	345.7
77.5°	1517.6	1520.2	1835.4	2415.0	3035.3	3027.6	2567.5	1520.2	660.9	274.5	203.4
80°	673.7	722.0	912.6	1301.6	1843.0	1843.0	1497.3	755.0	330.5	177.9	139.8
82.5°	396.6	411.8	488.1	607.6	897.4	945.7	716.9	503.3	226.2	111.9	86.4
85°	292.3	317.8	363.5	366.1	424.5	432.2	396.6	437.2	155.1	61.0	71.2
87.5°	218.6	233.9	289.8	241.5	226.2	213.5	244.0	447.4	58.5	30.5	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675705
 CATALOG NUMBER: CCW-SA-2B-740-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6	1184.6
2.5°	1171.9	1171.9	1166.8	1156.7	1156.7	1136.3	1141.4	1146.5	1133.8	1133.8	1136.3
5°	1154.1	1143.9	1131.2	1116.0	1105.8	1077.8	1072.8	1055.0	1052.4	1047.3	1039.7
7.5°	1118.5	1103.3	1080.4	1057.5	1024.5	999.0	968.5	943.1	932.9	925.3	922.8
10°	1085.5	1082.9	1044.8	999.0	948.2	899.9	854.1	821.1	800.8	788.1	785.5
12.5°	1085.5	1065.1	1011.8	948.2	874.5	803.3	744.8	699.1	671.1	650.8	643.2
15°	1080.4	1060.1	988.9	892.3	808.4	711.8	630.4	582.1	541.5	521.1	523.7
17.5°	1085.5	1055.0	955.8	851.6	734.7	630.4	533.8	475.4	434.7	419.4	416.9
20°	1088.0	1049.9	930.4	795.7	658.4	541.5	450.0	394.0	363.5	353.4	353.4
22.5°	1082.9	1034.6	892.3	729.6	592.3	467.7	391.5	343.2	322.8	310.1	315.2
25°	1105.8	1032.1	856.7	673.7	516.0	406.7	348.3	312.7	300.0	292.3	294.9
27.5°	1110.9	1032.1	828.7	610.1	450.0	361.0	315.2	292.3	282.2	277.1	274.5
30°	1131.2	1037.2	795.7	546.6	396.6	325.4	289.8	277.1	269.5	266.9	266.9
32.5°	1187.2	1052.4	760.1	493.2	350.8	294.9	272.0	261.8	256.8	254.2	256.8
35°	1253.3	1093.1	722.0	437.2	317.8	274.5	256.8	249.1	246.6	246.6	246.6
37.5°	1354.9	1154.1	688.9	391.5	289.8	254.2	241.5	239.0	236.4	239.0	239.0
40°	1471.9	1220.2	658.4	355.9	269.5	241.5	228.8	228.8	226.2	228.8	231.3
42.5°	1606.6	1301.6	627.9	320.3	251.7	231.3	221.2	218.6	216.1	221.2	223.7
45°	1792.2	1413.4	607.6	300.0	239.0	221.2	211.0	211.0	208.5	208.5	213.5
47.5°	1947.2	1520.2	607.6	279.6	231.3	213.5	203.4	203.4	198.3	200.8	200.8
50°	2076.9	1611.7	620.3	274.5	221.2	205.9	198.3	193.2	190.7	190.7	190.7
52.5°	2163.3	1667.6	630.4	269.5	216.1	195.7	190.7	188.1	183.0	180.5	183.0
55°	2249.8	1705.7	633.0	269.5	208.5	185.6	180.5	180.5	175.4	172.9	172.9
57.5°	2282.8	1690.5	597.4	264.4	203.4	177.9	172.9	170.3	167.8	165.2	165.2
60°	2267.6	1634.6	518.6	251.7	198.3	172.9	162.7	162.7	162.7	157.6	160.2
62.5°	2163.3	1443.9	416.9	231.3	190.7	162.7	152.5	157.6	157.6	155.1	155.1
65°	1888.8	1192.2	338.1	213.5	180.5	155.1	144.9	152.5	155.1	152.5	150.0
67.5°	1510.0	917.7	279.6	193.2	167.8	142.4	134.7	142.4	144.9	142.4	142.4
70°	1037.2	592.3	226.2	172.9	150.0	129.6	122.0	127.1	127.1	129.6	129.6
72.5°	536.4	320.3	185.6	147.4	129.6	116.9	109.3	109.3	106.8	106.8	106.8
75°	266.9	218.6	155.1	124.6	109.3	99.1	94.1	89.0	89.0	89.0	89.0
77.5°	185.6	167.8	127.1	99.1	89.0	81.3	81.3	73.7	73.7	73.7	73.7
80°	139.8	132.2	96.6	76.3	68.6	63.6	63.6	61.0	61.0	58.5	58.5
82.5°	99.1	106.8	73.7	55.9	50.8	48.3	48.3	45.8	45.8	40.7	40.7
85°	78.8	89.0	55.9	40.7	38.1	33.0	33.0	30.5	30.5	28.0	25.4
87.5°	22.9	48.3	22.9	15.3	15.3	15.3	15.3	12.7	12.7	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)