

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: McGRAW-EDISON

Report Number: P939222

Luminaire Tested: **GALN-SB1D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8336 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 79.6
Input Voltage (V): NR
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: 24 FT

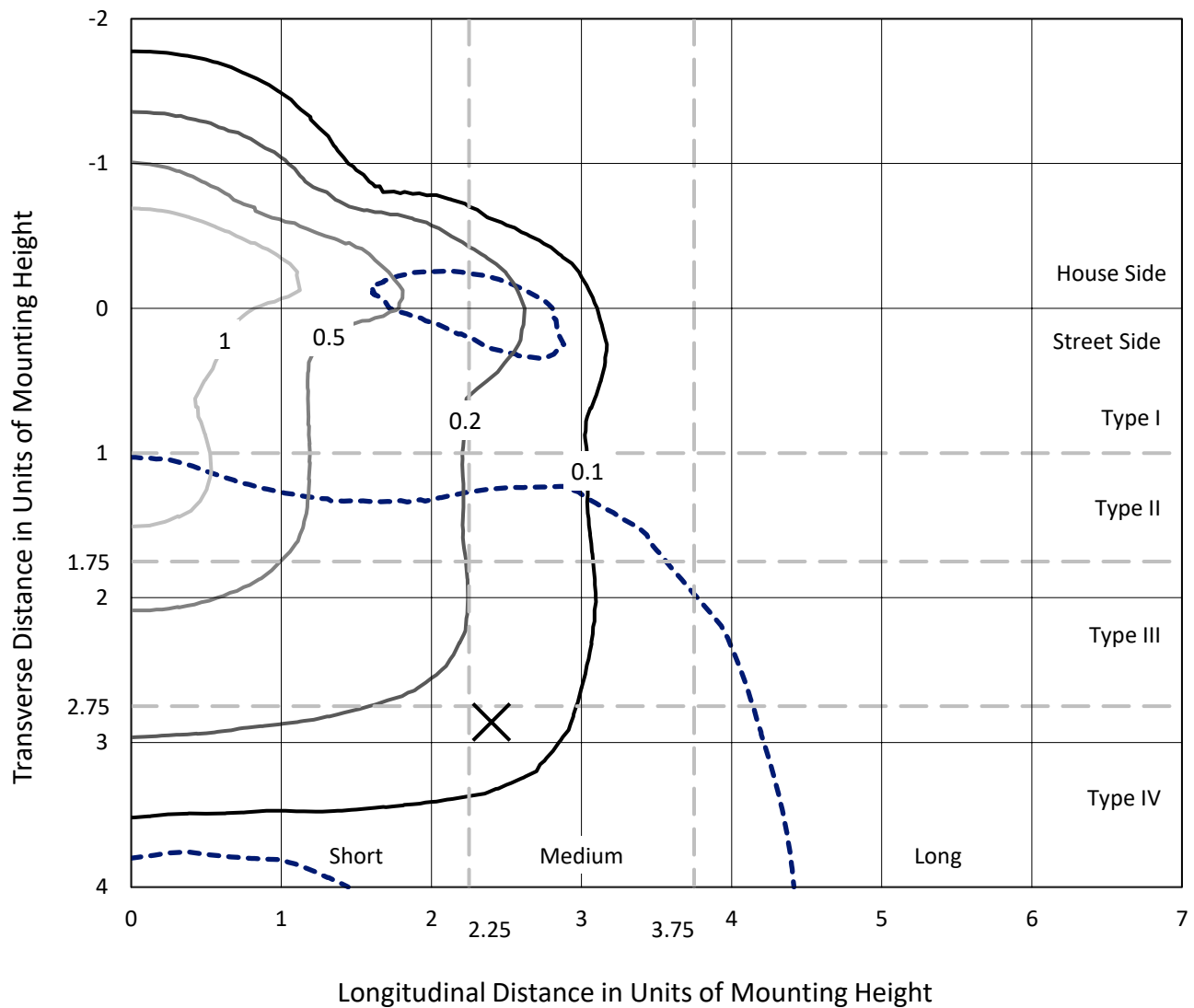


REPORT NUMBER: P939222

CATALOG NUMBER: GALN-SB1D-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

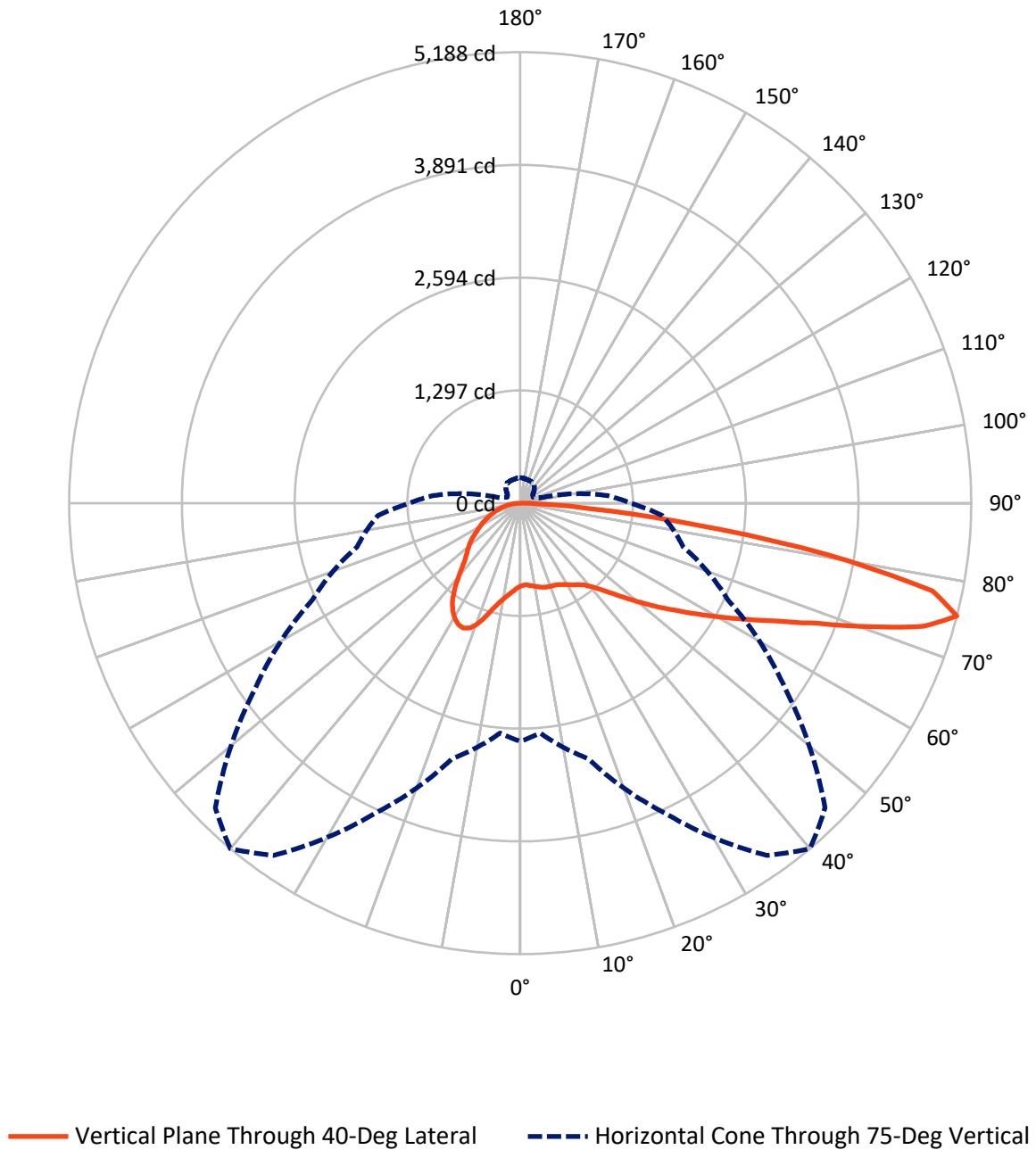


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type IV - Medium - N/A

REPORT NUMBER: P939222

CATALOG NUMBER: GALN-SB1D-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P939222

CATALOG NUMBER: GALN-SB1D-722-U-SL4

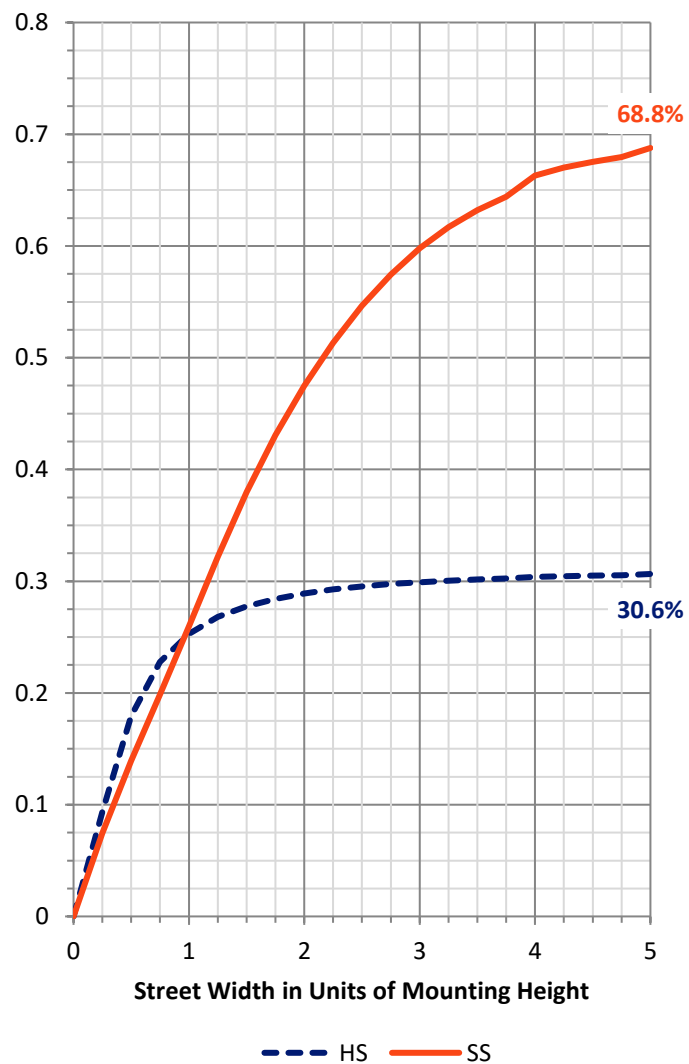
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2582.8	0.0	2582.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5753.2	0.0	5753.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	8336.0	0.0	8336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.1
10°-20°	319.5	3.8
20°-30°	583.3	7.0
30°-40°	827.3	9.9
40°-50°	1117.1	13.4
50°-60°	1502.8	18.0
60°-70°	1907.4	22.9
70°-80°	1731.1	20.8
80°-90°	252.3	3.0
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°	8336.0	100.0
0°-180°	8336.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939222

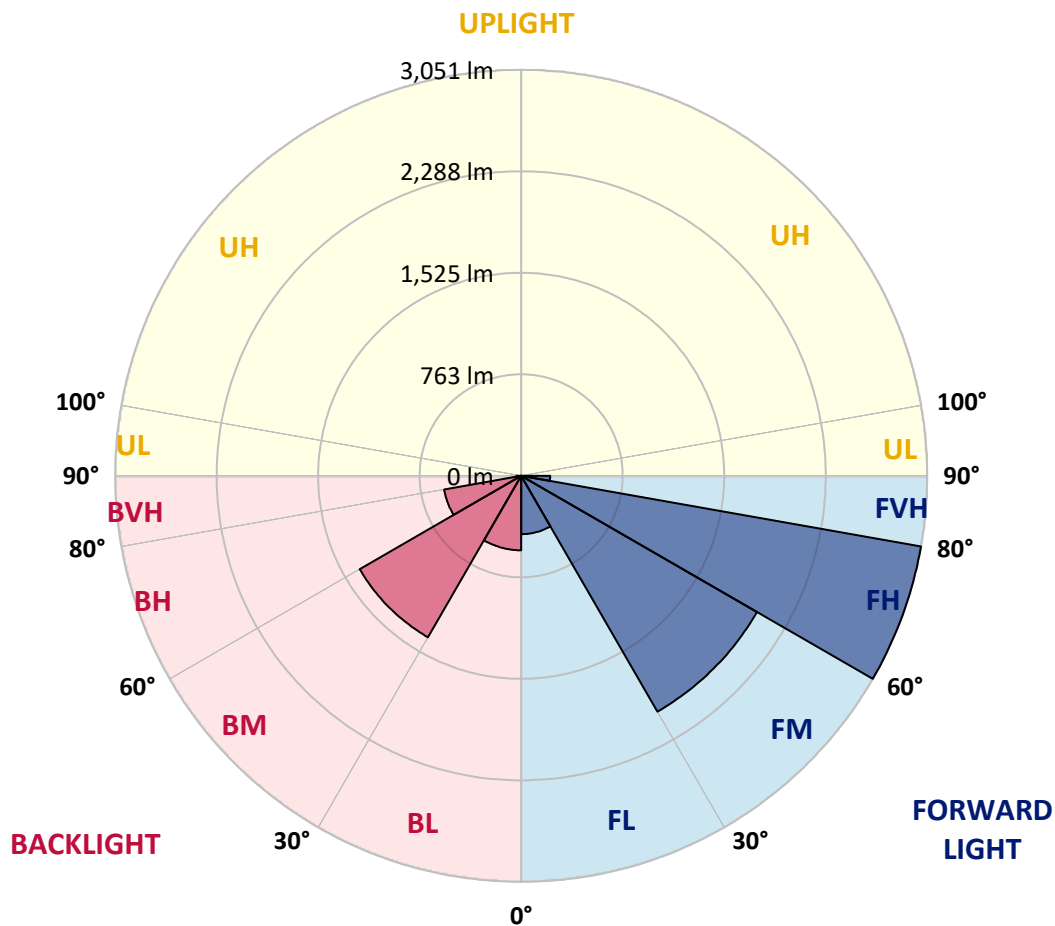
CATALOG NUMBER: GALN-SB1D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	438.5	5.3			
FM	(30°-60°)	2046.3	24.5			
FH	(60°-80°)	3050.9	36.6			G2/5000
FVH	(80°-90°)	217.6	2.6			G2/225
BL	(0°-30°)	559.5	6.7	B2/1000		
BM	(30°-60°)	1400.9	16.8	B2/2500		
BH	(60°-80°)	587.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	34.7	0.4			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 IV Medium



REPORT NUMBER: P939222

CATALOG NUMBER: GALN-SB1D-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	938.6	943.9	942.6	940.9	940.9	941.3	940.9	943.9	947.0	950.1	955.0
5°	948.4	953.7	951.0	948.8	947.0	946.6	945.3	944.8	946.6	950.6	957.2
7.5°	967.4	972.7	968.7	964.7	961.2	959.4	957.7	955.0	953.7	955.9	965.2
10°	988.6	993.9	989.0	982.0	976.2	974.0	972.2	969.6	967.8	969.1	979.3
12.5°	1009.8	1015.1	1008.5	998.8	991.3	989.9	987.7	986.8	986.4	986.0	996.1
15°	1029.7	1034.1	1025.7	1014.2	1006.3	1004.1	1001.9	1003.2	1005.4	1008.1	1019.6
17.5°	1045.2	1049.6	1037.2	1022.2	1014.7	1013.8	1012.5	1016.9	1023.1	1029.7	1043.9
20°	1059.3	1063.8	1047.8	1027.5	1018.7	1018.7	1019.1	1028.4	1037.2	1047.0	1066.4
22.5°	1079.2	1082.8	1063.3	1035.5	1022.6	1023.5	1027.1	1036.4	1047.4	1060.7	1087.6
25°	1108.9	1111.5	1087.6	1050.5	1035.9	1038.6	1041.7	1046.1	1056.7	1072.2	1108.4
27.5°	1156.6	1158.8	1127.4	1077.0	1054.9	1059.3	1063.8	1060.7	1065.5	1078.8	1125.2
30°	1223.8	1225.1	1185.4	1118.6	1087.2	1089.4	1090.3	1077.5	1068.2	1078.8	1137.2
32.5°	1303.4	1303.0	1255.6	1169.0	1123.9	1121.7	1114.2	1089.0	1067.3	1076.6	1147.8
35°	1426.8	1421.9	1360.9	1239.7	1165.5	1151.7	1134.1	1101.8	1071.7	1074.4	1157.1
37.5°	1631.0	1616.0	1531.5	1355.6	1227.4	1192.4	1166.3	1122.6	1081.5	1073.5	1168.1
40°	1861.4	1842.4	1749.5	1514.3	1320.2	1264.1	1222.0	1152.2	1097.4	1077.5	1184.5
42.5°	2134.6	2107.6	2007.7	1701.3	1437.8	1356.5	1293.2	1189.8	1120.8	1090.3	1206.6
45°	2470.2	2434.4	2292.9	1912.2	1585.9	1477.6	1393.2	1246.8	1156.6	1115.1	1239.7
47.5°	2809.3	2818.1	2617.0	2153.6	1763.7	1627.0	1518.3	1332.6	1208.8	1154.8	1293.2
50°	3169.6	3175.8	2939.3	2421.1	1965.3	1795.9	1658.9	1428.5	1281.3	1211.4	1373.3
52.5°	3450.8	3451.7	3232.0	2701.0	2175.3	1981.6	1810.5	1538.2	1365.3	1286.6	1479.8
55°	3626.8	3624.6	3437.1	2965.8	2416.7	2176.6	1978.5	1662.9	1467.9	1375.0	1613.8
57.5°	3754.6	3747.9	3578.6	3193.5	2674.0	2407.0	2168.6	1804.3	1589.0	1480.3	1790.2
60°	3803.2	3799.2	3674.5	3390.3	2944.6	2661.6	2387.9	1962.6	1726.5	1604.5	2017.0
62.5°	3821.8	3829.3	3768.7	3580.8	3234.2	2943.7	2628.9	2151.8	1881.3	1745.1	2256.2
65°	3887.2	3900.9	3888.5	3830.2	3561.4	3274.0	2948.6	2376.9	2050.2	1895.9	2506.0
67.5°	4016.8	4030.5	4035.8	4128.6	3961.0	3685.6	3347.4	2657.2	2247.8	2052.4	2693.9
70°	4013.7	4009.7	4103.4	4366.0	4461.5	4255.5	3885.0	3002.1	2483.4	2182.4	2717.8
72.5°	3653.3	3621.5	3843.0	4363.4	4878.0	4850.6	4541.6	3446.8	2686.8	2198.3	2358.3
75°	2740.8	2655.9	3047.2	3932.3	4947.4	5188.4	4958.9	3722.7	2638.6	1942.3	1641.2
77.5°	1172.1	1086.8	1547.9	2911.0	4427.9	4850.2	4576.0	3247.9	2106.3	1284.4	806.0
80°	306.8	306.4	467.8	1319.8	3011.3	3581.7	3142.2	2097.5	1203.5	458.9	222.4
82.5°	126.9	123.8	172.0	513.3	1471.4	2009.9	1640.3	935.5	434.6	124.2	73.8
85°	47.3	46.9	83.6	177.3	519.1	829.0	600.0	239.2	108.3	60.6	33.2
87.5°	13.3	12.8	18.1	61.5	126.4	191.9	102.6	39.3	30.5	23.9	9.7
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: P939222

CATALOG NUMBER: GALN-SB1D-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	956.3	958.5	962.5	965.6	969.6	974.0	980.2	984.2	988.2	990.8	989.0
5°	960.3	965.2	975.3	985.5	997.4	1008.5	1021.3	1030.6	1038.1	1040.3	1041.2
7.5°	969.1	977.1	994.4	1011.6	1030.6	1048.7	1067.3	1083.2	1096.0	1100.9	1101.3
10°	984.6	995.2	1019.6	1043.9	1069.1	1096.9	1120.8	1143.8	1161.9	1169.4	1169.9
12.5°	1004.1	1017.3	1049.2	1082.8	1117.7	1156.2	1187.1	1215.4	1238.0	1248.1	1248.1
15°	1029.3	1046.5	1087.2	1132.3	1183.6	1237.1	1276.4	1307.8	1333.0	1345.4	1344.5
17.5°	1056.7	1079.7	1131.0	1199.1	1272.5	1342.7	1388.7	1411.7	1437.8	1449.7	1449.3
20°	1083.2	1111.5	1184.9	1283.9	1381.7	1456.4	1493.5	1499.7	1501.5	1502.8	1506.3
22.5°	1110.6	1148.7	1252.6	1390.9	1495.7	1547.5	1552.8	1526.2	1489.1	1471.9	1476.7
25°	1140.7	1191.1	1341.0	1509.0	1593.9	1600.1	1559.4	1494.8	1424.5	1392.3	1397.1
27.5°	1169.9	1240.2	1447.1	1621.7	1664.6	1610.2	1522.7	1431.2	1346.3	1312.2	1316.2
30°	1199.1	1296.3	1564.3	1720.3	1696.9	1585.0	1464.8	1362.6	1277.3	1241.5	1245.5
32.5°	1228.7	1361.8	1699.1	1791.5	1691.1	1531.5	1392.7	1285.7	1210.6	1173.0	1177.8
35°	1262.3	1442.2	1826.9	1830.4	1652.7	1452.8	1297.7	1193.8	1128.3	1098.3	1104.9
37.5°	1306.1	1544.4	1939.6	1840.1	1585.5	1337.4	1179.6	1085.0	1031.0	1017.3	1027.1
40°	1360.4	1667.3	2025.8	1824.7	1486.0	1197.3	1050.5	974.9	944.4	947.5	958.1
42.5°	1431.2	1804.8	2086.4	1784.9	1347.6	1052.7	937.3	903.7	918.3	930.7	942.2
45°	1523.1	1947.6	2124.0	1717.2	1191.1	930.2	870.6	878.5	889.6	890.9	899.7
47.5°	1640.7	2092.2	2148.8	1615.1	1031.5	844.0	828.1	829.9	827.7	818.4	825.5
50°	1787.5	2232.8	2170.9	1479.8	895.8	790.1	768.9	762.7	732.2	702.1	706.1
52.5°	1954.7	2361.9	2180.1	1311.8	790.1	745.0	710.5	671.6	614.6	605.3	608.4
55°	2140.4	2481.2	2156.3	1105.3	701.2	687.1	634.9	588.0	581.8	573.9	575.2
57.5°	2362.3	2609.9	2107.6	875.0	610.1	619.4	568.6	573.9	562.8	550.5	548.2
60°	2605.0	2743.0	2022.3	665.0	516.0	535.0	551.3	550.9	547.8	537.6	534.1
62.5°	2823.4	2830.5	1854.3	509.3	433.3	469.5	514.2	513.8	511.1	505.4	503.1
65°	2953.4	2817.3	1574.0	401.0	365.2	415.6	463.8	467.3	467.8	467.3	467.3
67.5°	2930.4	2662.1	1189.3	319.2	309.0	360.8	413.8	418.7	422.2	423.1	424.0
70°	2670.5	2321.2	775.5	254.7	259.1	312.6	366.5	371.4	374.5	378.0	379.8
72.5°	2081.5	1706.6	443.9	206.0	215.3	271.0	319.7	325.4	327.2	333.8	336.5
75°	1268.5	1003.6	239.6	162.3	176.9	231.7	273.2	279.9	283.0	290.9	291.8
77.5°	603.1	434.6	136.6	126.4	142.4	189.2	230.8	238.3	229.9	234.3	230.8
80°	203.8	161.4	86.2	96.4	108.8	147.7	184.8	192.3	174.6	173.8	172.0
82.5°	71.2	65.4	54.8	64.1	70.3	105.7	139.7	149.4	130.0	129.5	123.4
85°	27.9	26.5	30.5	34.9	42.0	65.0	92.0	96.8	80.0	64.6	63.7
87.5°	5.7	6.2	7.5	8.0	12.8	22.5	33.2	40.7	32.3	27.4	25.2
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)