

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: P945918

Luminaire Tested: **GALN-SB1D-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7001 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - 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

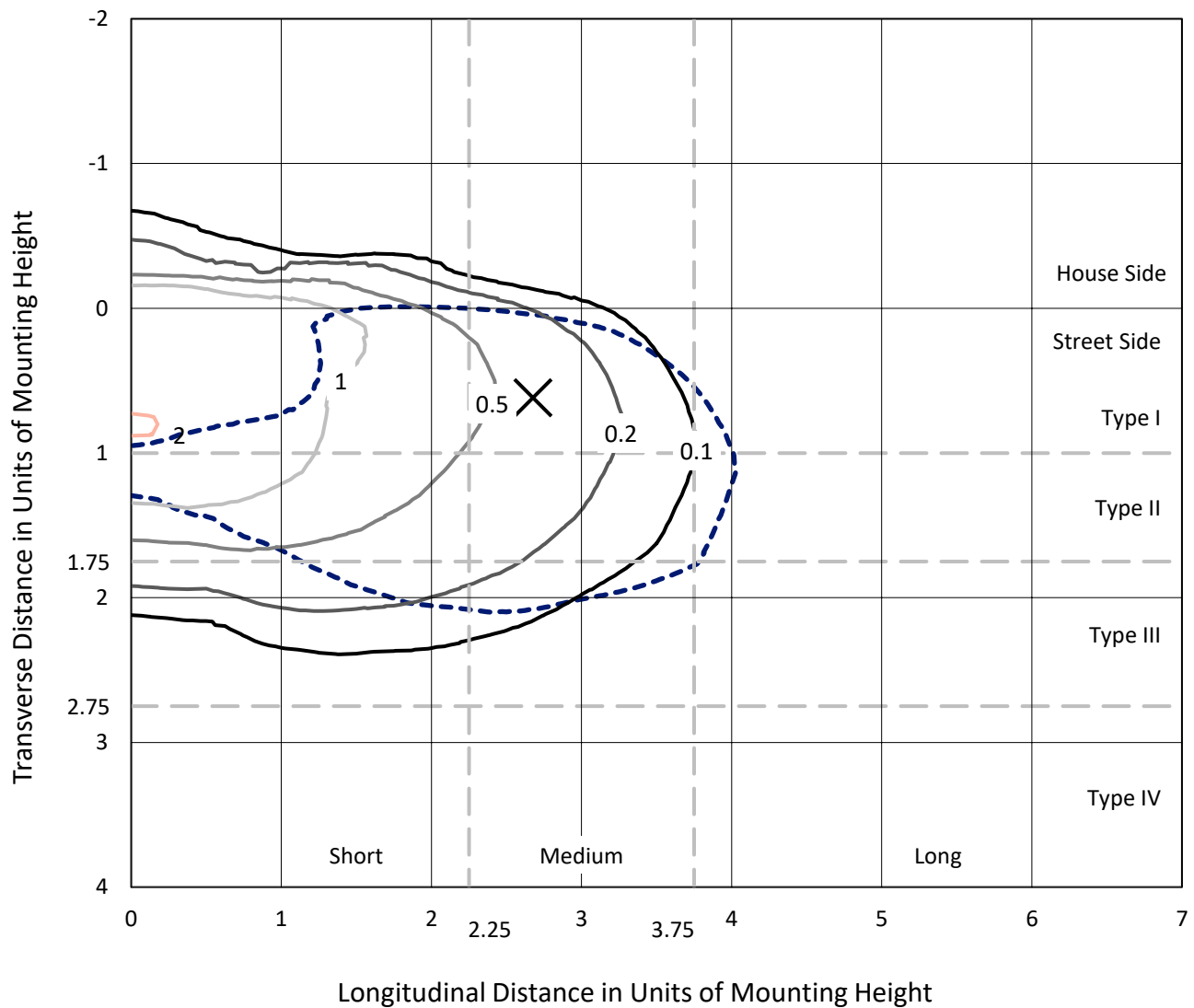


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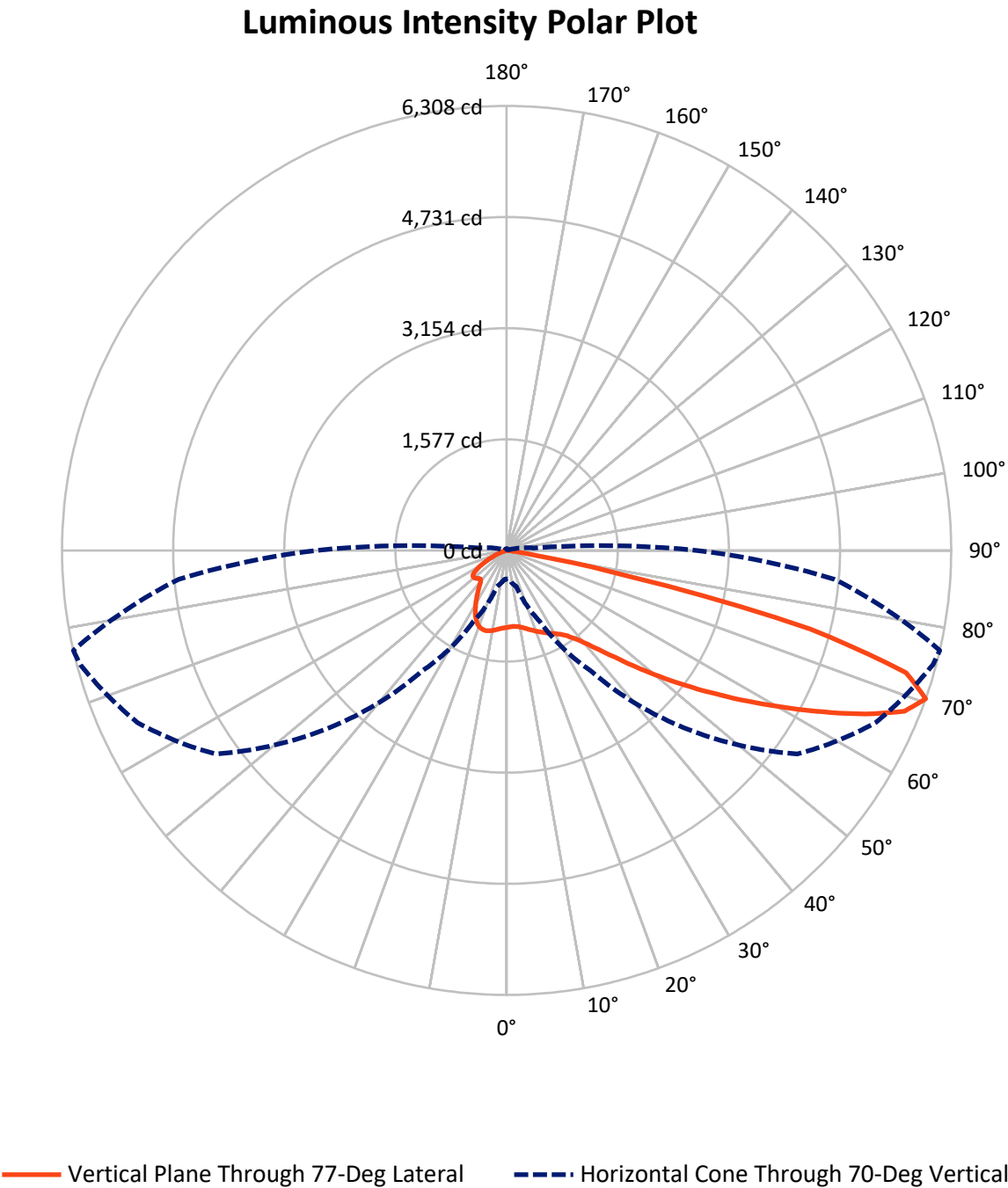
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Medium - N/A

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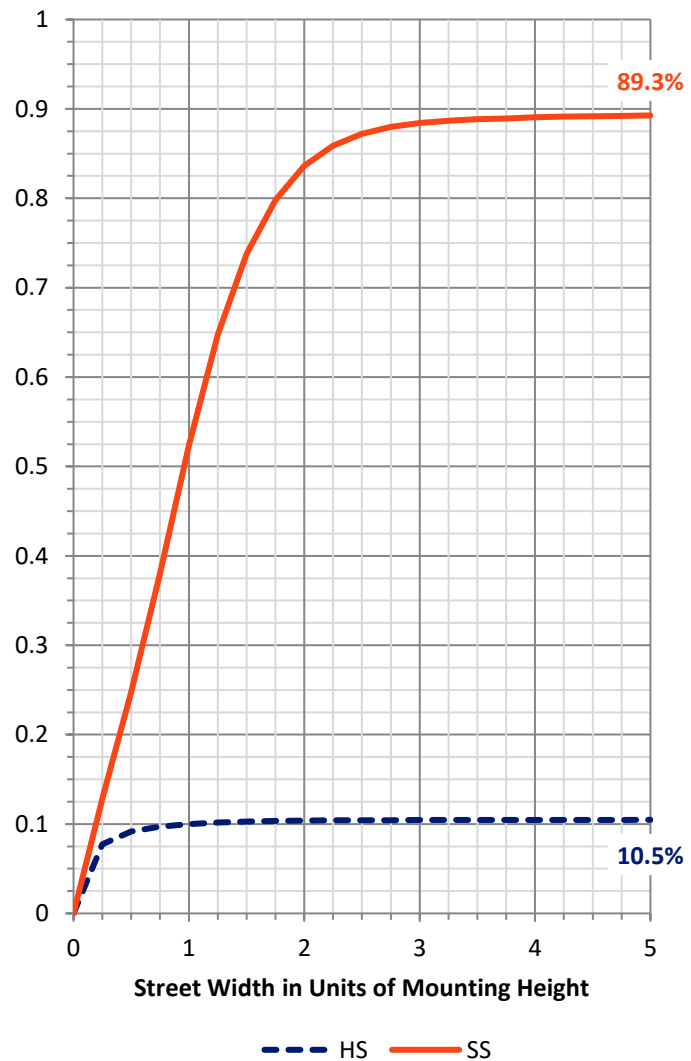
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.0	0.0	738.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6263.0	0.0	6263.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	7001.0	0.0	7001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	1.3
10°-20°	223.4	3.2
20°-30°	345.6	4.9
30°-40°	627.1	9.0
40°-50°	1183.6	16.9
50°-60°	1710.3	24.4
60°-70°	1820.5	26.0
70°-80°	964.7	13.8
80°-90°	31.7	0.5
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°	7001.0	100.0
0°-180°	7001.0	100.0

Coefficient of Utilization



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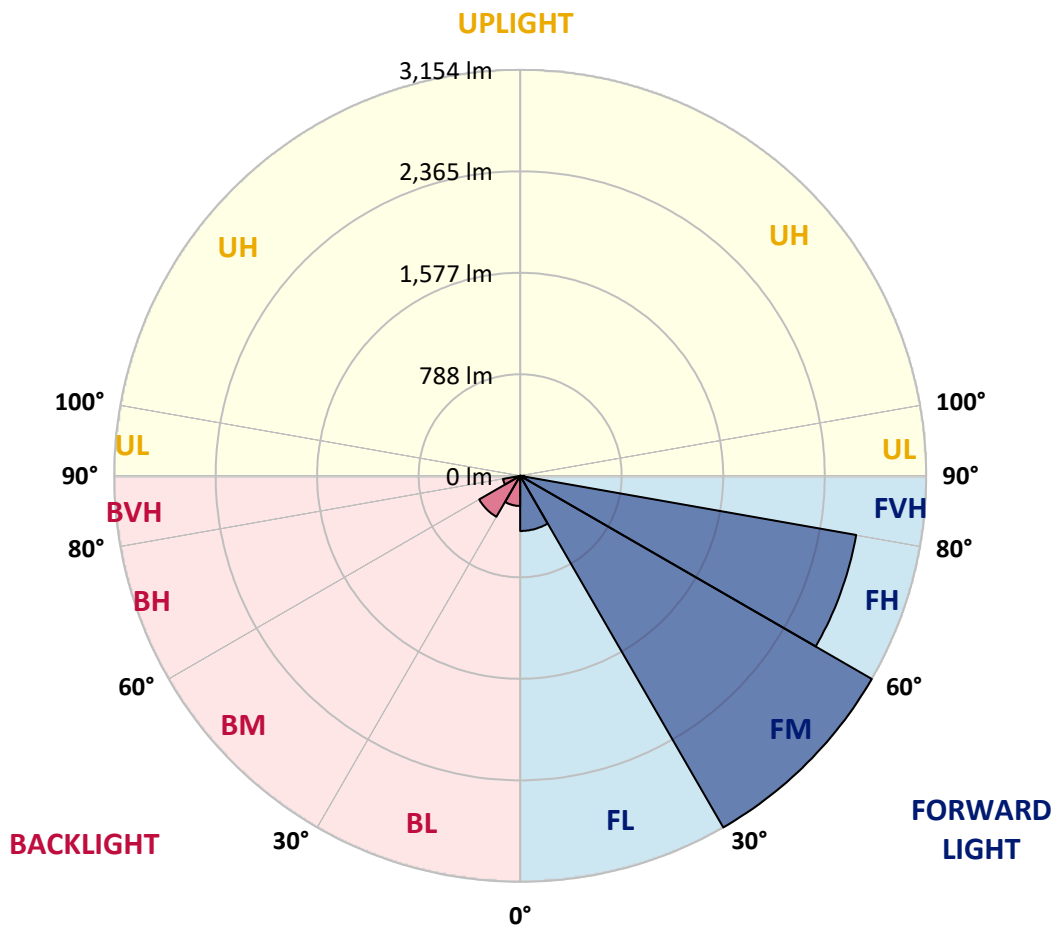
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.6	6.1			
FM	(30°-60°)	3153.6	45.0			
FH	(60°-80°)	2650.0	37.9			G2/5000
FVH	(80°-90°)	30.8	0.4			G1/100
BL	(0°-30°)	234.5	3.3	B1/500		
BM	(30°-60°)	367.4	5.2	B1/1000		
BH	(60°-80°)	135.3	1.9	B1/500		G1/500
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0
2.5°	1025.3	1034.6	1033.2	1039.4	1041.6	1050.5	1059.3	1071.3	1084.5	1084.1	1092.9
5°	967.4	976.6	978.8	987.2	997.9	1011.6	1029.7	1053.6	1078.3	1082.3	1100.0
7.5°	898.8	908.6	914.3	931.1	950.6	978.8	1008.5	1043.4	1084.5	1090.3	1124.3
10°	830.3	839.1	846.7	870.5	901.5	943.5	991.7	1042.1	1097.3	1105.7	1153.9
12.5°	787.9	796.3	804.7	825.4	863.9	915.2	980.6	1048.3	1118.6	1130.5	1194.2
15°	772.8	780.3	787.0	805.5	841.3	899.7	978.4	1061.1	1145.5	1161.4	1242.8
17.5°	775.0	779.0	783.4	797.6	832.5	892.6	982.4	1083.2	1177.4	1191.5	1291.4
20°	787.9	790.1	790.5	800.2	831.2	891.8	990.3	1104.4	1207.4	1226.4	1339.6
22.5°	804.2	805.1	804.2	810.8	839.6	898.4	1001.0	1130.1	1241.0	1258.7	1388.2
25°	880.7	863.9	842.7	829.9	853.7	911.2	1016.9	1164.5	1277.7	1295.0	1435.6
27.5°	1118.1	1069.9	993.9	908.6	882.9	929.8	1039.0	1199.5	1314.9	1330.3	1486.4
30°	1503.6	1440.4	1311.3	1119.0	976.6	968.7	1067.7	1234.4	1354.2	1371.0	1540.8
32.5°	1890.1	1874.6	1725.6	1459.4	1187.5	1055.3	1115.5	1281.7	1406.4	1419.6	1614.2
35°	2280.9	2249.5	2127.5	1864.4	1512.5	1231.7	1195.0	1343.6	1474.9	1489.9	1721.2
37.5°	2580.2	2561.2	2485.6	2268.9	1898.0	1504.1	1331.2	1439.5	1574.4	1591.2	1858.2
40°	2844.6	2835.7	2810.1	2667.3	2329.1	1860.4	1543.0	1588.1	1712.3	1732.2	2026.2
42.5°	3052.4	3073.2	3087.7	3048.0	2773.4	2267.2	1827.7	1796.8	1904.6	1925.0	2240.2
45°	3265.0	3272.1	3330.9	3388.4	3214.6	2692.5	2148.7	2041.3	2143.8	2169.0	2496.6
47.5°	3401.6	3429.9	3533.4	3634.6	3585.6	3114.3	2493.5	2330.0	2421.0	2468.3	2784.0
50°	3411.8	3465.3	3607.7	3784.1	3855.7	3515.7	2868.5	2658.9	2755.7	2807.9	3090.8
52.5°	3242.5	3325.6	3546.2	3804.4	4001.6	3855.7	3256.2	2987.8	3112.1	3180.1	3409.2
55°	2486.0	2594.8	3315.0	3693.9	4007.4	4113.5	3633.8	3330.5	3509.1	3586.0	3753.1
57.5°	2165.9	2220.8	2606.3	3502.0	3900.8	4217.4	3975.1	3656.8	3941.0	4036.5	4078.1
60°	1802.1	1874.1	2185.8	3188.1	3756.2	4227.5	4276.6	4077.6	4409.2	4516.7	4376.1
62.5°	1224.7	1302.9	1612.8	2648.7	3558.6	4222.7	4523.7	4510.9	4929.6	5045.0	4628.5
65°	758.7	807.7	1012.0	2162.8	3282.3	4228.0	4782.4	5037.0	5478.7	5595.9	4823.9
67.5°	599.5	622.1	728.6	1660.6	2806.1	4108.6	5040.6	5531.8	5995.6	6088.4	4883.6
70°	402.8	416.5	530.1	1113.3	2087.7	3557.7	5035.7	5780.2	6261.7	6308.1	4666.1
72.5°	212.2	222.8	309.9	515.5	1260.9	2528.9	4244.8	5483.1	5996.9	5927.0	3988.3
75°	106.1	123.8	208.7	261.7	538.5	1410.4	2635.9	4323.0	4720.0	4449.5	2559.0
77.5°	80.5	97.3	172.4	172.4	187.5	474.8	1116.3	2357.8	2174.8	1810.9	751.2
80°	51.3	66.3	150.8	130.4	78.3	120.7	290.9	660.5	462.0	351.5	136.6
82.5°	30.1	43.3	125.6	86.2	43.8	44.7	82.2	140.6	119.8	93.3	42.0
85°	11.9	28.3	86.2	34.0	17.2	11.1	24.8	30.1	24.8	18.6	10.6
87.5°	0.0	6.6	15.0	0.0	1.3	0.9	1.8	2.2	2.2	1.8	3.5
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°	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.0
2.5°	1096.9	1097.8	1100.4	1100.9	1094.7	1086.7	1083.6	1082.3	1077.0	1076.6	1077.4
5°	1110.2	1114.1	1110.2	1098.7	1071.3	1032.8	1003.6	979.7	958.1	951.4	947.5
7.5°	1136.7	1140.7	1128.7	1083.6	1014.7	938.2	869.2	820.6	776.8	760.4	753.8
10°	1174.7	1180.0	1142.4	1051.4	929.3	806.4	689.7	607.5	543.4	517.3	506.2
12.5°	1222.5	1224.7	1149.9	1002.3	818.4	642.8	477.5	389.5	332.5	311.3	304.6
15°	1275.1	1272.0	1150.8	935.5	667.2	454.5	311.7	256.0	233.0	225.9	225.9
17.5°	1330.3	1317.5	1133.1	839.1	501.4	310.8	231.2	218.0	214.0	212.2	211.8
20°	1384.7	1356.0	1100.9	713.1	359.9	232.1	210.0	206.0	203.8	202.9	202.0
22.5°	1434.2	1385.2	1045.6	566.8	261.3	205.1	198.5	195.0	191.0	189.2	188.8
25°	1482.4	1402.0	967.8	430.2	209.1	191.9	186.6	179.9	174.6	172.4	171.5
27.5°	1529.3	1412.6	870.5	318.3	186.6	179.5	169.8	160.5	156.5	155.6	154.7
30°	1579.2	1416.1	760.0	237.4	172.9	164.0	149.9	139.3	137.1	137.5	137.5
32.5°	1640.3	1421.4	648.6	194.5	161.4	145.5	128.7	117.6	115.8	117.6	117.2
35°	1713.2	1432.0	541.2	179.1	151.2	126.4	108.3	99.0	97.3	98.6	98.2
37.5°	1812.2	1449.3	440.8	176.0	142.8	110.5	91.1	83.6	83.6	84.0	83.6
40°	1944.0	1495.2	351.0	173.8	138.4	98.6	76.9	73.8	75.2	76.0	76.0
42.5°	2104.5	1592.9	290.5	171.1	133.5	93.3	69.9	68.5	70.7	71.6	71.6
45°	2284.4	1716.7	269.2	166.7	129.1	96.8	66.8	65.0	67.6	68.1	68.5
47.5°	2470.6	1837.9	266.6	161.8	124.7	102.1	65.9	61.9	65.0	65.4	65.9
50°	2658.9	1917.0	269.2	154.3	117.6	102.1	66.3	58.8	61.5	62.8	63.2
52.5°	2848.6	1953.3	267.5	137.9	105.2	95.9	66.3	56.1	58.8	59.7	59.7
55°	3032.5	1946.2	240.5	113.6	89.3	84.9	64.5	53.9	55.7	56.1	56.1
57.5°	3177.9	1847.6	190.6	88.4	72.5	70.7	58.8	51.3	52.6	52.2	52.2
60°	3254.0	1631.0	136.2	68.1	57.0	55.7	51.7	47.7	48.6	46.4	46.0
62.5°	3254.9	1344.5	91.1	53.9	45.5	44.2	44.2	42.9	42.0	37.6	36.3
65°	3185.5	1026.6	60.6	42.9	36.7	34.5	37.1	36.7	33.6	27.4	26.5
67.5°	3028.1	672.9	46.0	33.6	28.3	27.0	29.6	30.9	28.7	23.0	22.5
70°	2704.4	391.7	38.0	26.1	21.2	19.9	23.9	26.5	23.9	18.6	17.7
72.5°	2246.4	211.3	30.9	19.5	14.6	13.3	19.0	21.7	19.0	13.7	13.3
75°	1457.7	113.2	23.9	12.8	7.5	8.4	14.1	15.9	13.3	8.8	8.0
77.5°	489.4	50.0	15.0	6.2	3.5	3.5	8.4	9.7	6.2	3.1	2.7
80°	109.2	20.8	6.2	2.7	1.3	1.3	1.8	1.8	0.9	0.0	0.0
82.5°	35.8	8.4	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.7	3.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)