

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: P940078

Luminaire Tested: **GALN-SB3A-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8418 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

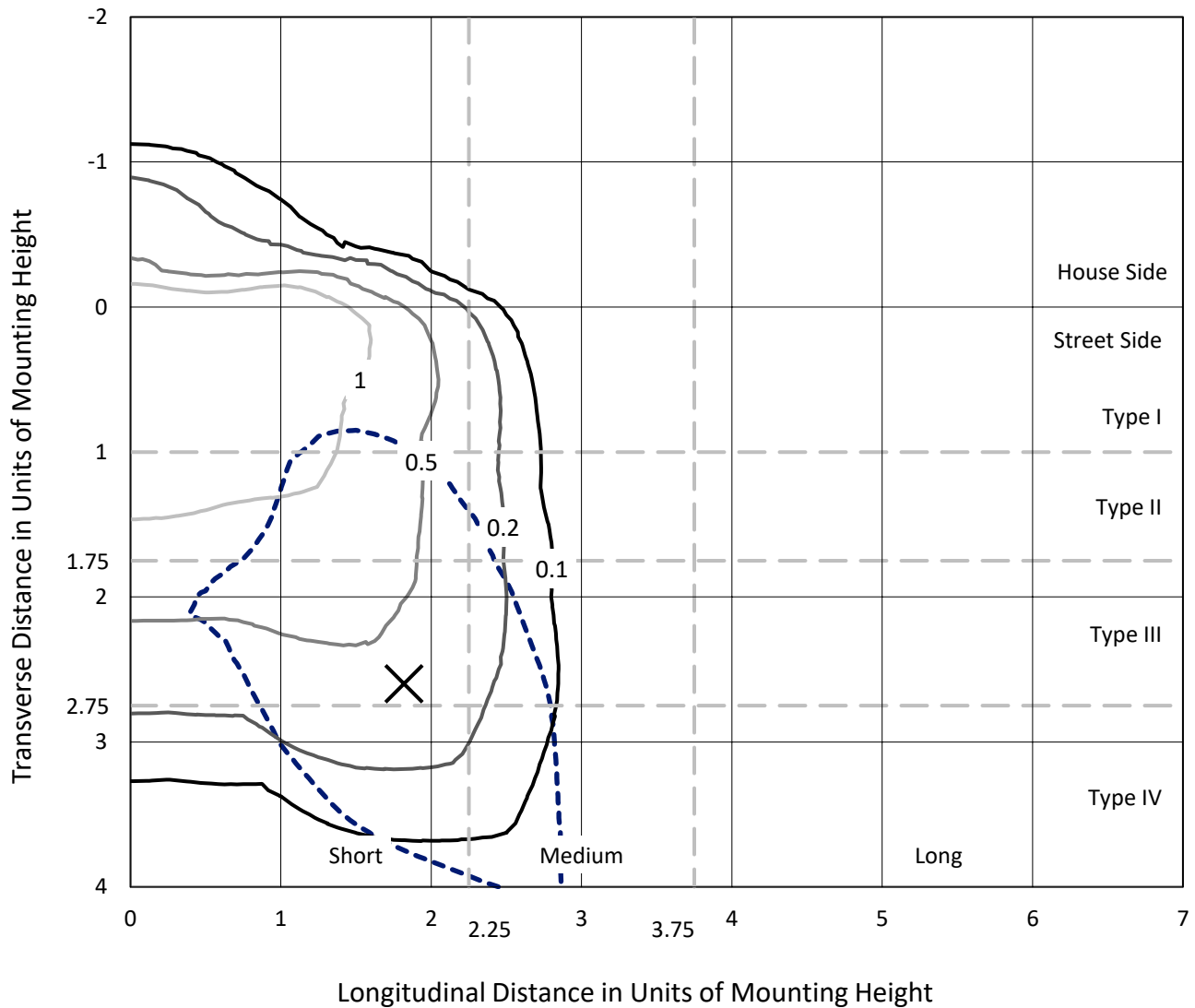
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940078
 CATALOG NUMBER: GALN-SB3A-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

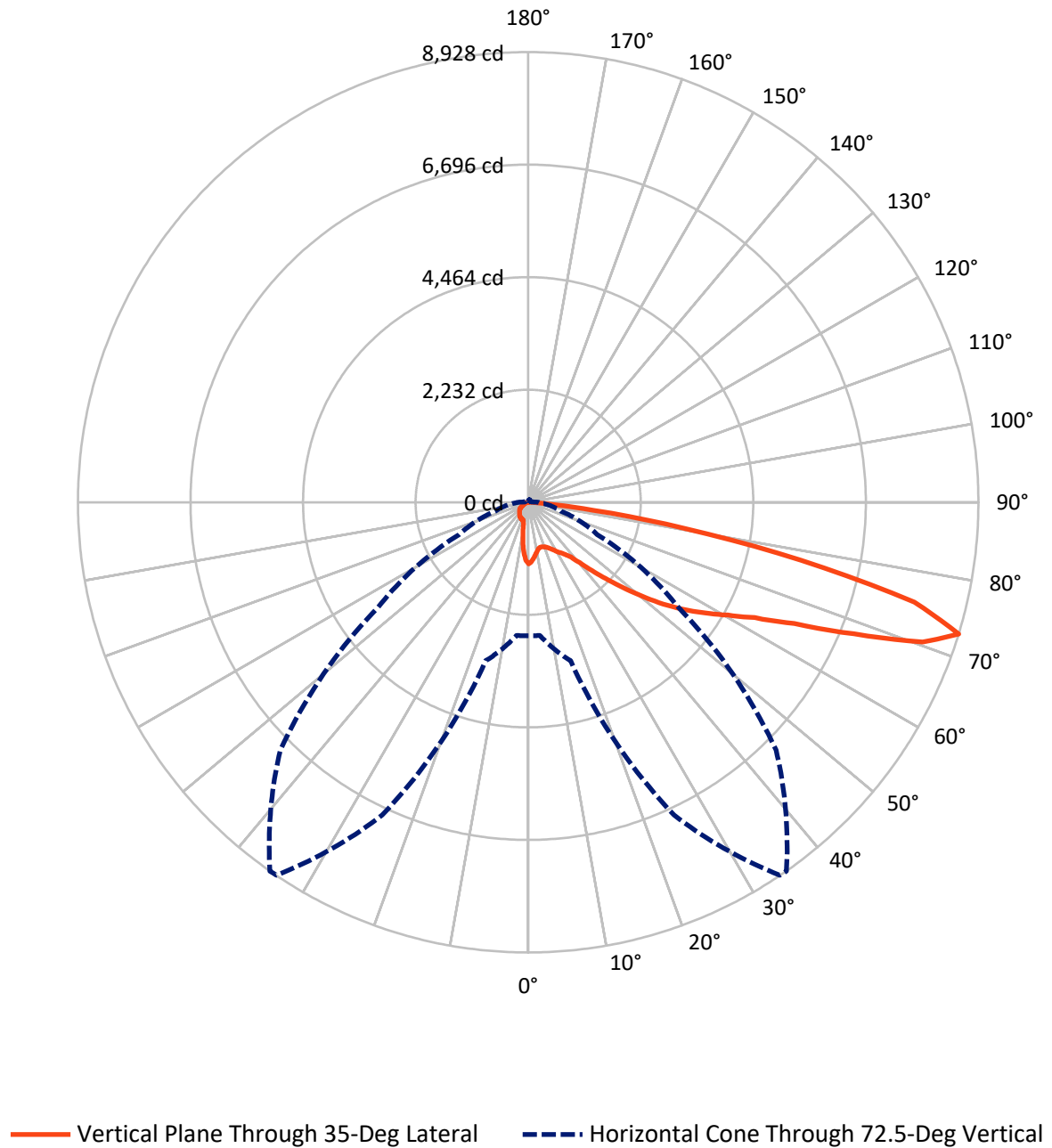
× Max cd
 --- 1/2 Max cd



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

REPORT NUMBER: P940078
CATALOG NUMBER: GALN-SB3A-722-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.4	0.0	947.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7470.6	0.0	7470.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	8418.0	0.0	8418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.2
10°-20°	234.5	2.8
20°-30°	381.0	4.5
30°-40°	635.7	7.6
40°-50°	1202.7	14.3
50°-60°	1911.1	22.7
60°-70°	2364.2	28.1
70°-80°	1469.6	17.5
80°-90°	118.8	1.4
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°	8418.0	100.0
0°-180°	8418.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940078

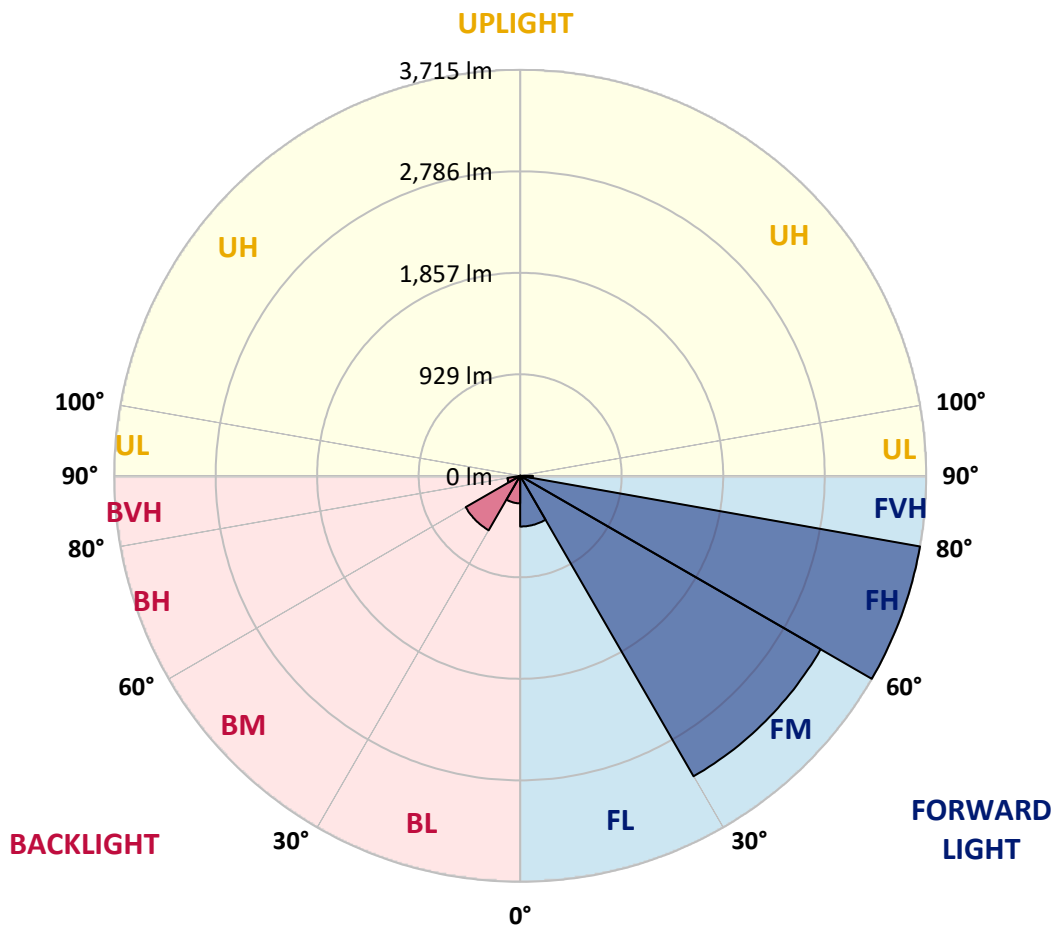
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.0	5.5			
FM	(30°-60°)	3174.4	37.7			
FH	(60°-80°)	3715.0	44.1			G2/5000
FVH	(80°-90°)	117.2	1.4			G2/225
BL	(0°-30°)	251.7	3.0	B1/500		
BM	(30°-60°)	575.2	6.8	B1/1000		
BH	(60°-80°)	118.9	1.4	B1/500		G1/500
BVH	(80°-90°)	1.6	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 IV Short



REPORT NUMBER: P940078

CATALOG NUMBER: GALN-SB3A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1
2.5°	1165.8	1175.6	1177.5	1180.6	1180.6	1184.3	1190.4	1199.1	1213.3	1220.7	1225.6
5°	1074.5	1081.9	1091.1	1098.5	1112.7	1114.6	1138.6	1162.1	1194.8	1219.4	1236.7
7.5°	982.6	991.2	1003.6	1021.4	1039.9	1045.5	1081.9	1121.4	1173.2	1219.4	1248.4
10°	917.8	918.4	929.5	947.4	977.0	983.8	1028.2	1084.4	1149.1	1212.0	1259.5
12.5°	881.4	885.7	890.7	904.2	932.6	936.9	984.4	1050.4	1125.1	1207.7	1272.5
15°	881.4	884.5	887.6	894.4	917.2	920.9	962.8	1028.8	1112.7	1209.6	1293.5
17.5°	890.7	895.6	893.1	901.2	925.2	927.7	964.7	1022.7	1112.1	1221.3	1325.5
20°	912.9	916.6	911.6	916.6	940.6	945.6	983.8	1034.4	1122.6	1241.6	1365.6
22.5°	948.0	949.9	938.2	941.9	966.5	972.7	1017.1	1067.7	1147.9	1274.3	1419.3
25°	992.4	996.1	978.3	982.6	1006.0	1013.4	1064.6	1117.7	1188.0	1319.4	1487.7
27.5°	1043.6	1045.5	1030.1	1029.5	1059.7	1070.2	1122.0	1179.3	1241.6	1376.1	1574.1
30°	1102.2	1107.8	1093.0	1090.5	1128.8	1137.4	1188.6	1255.2	1320.6	1461.2	1696.8
32.5°	1148.5	1152.8	1144.2	1150.4	1189.2	1196.0	1269.4	1362.5	1444.6	1582.1	1864.0
35°	1215.1	1217.6	1197.8	1208.9	1253.4	1270.6	1379.8	1513.0	1600.6	1733.9	2082.4
37.5°	1456.3	1456.3	1372.4	1317.5	1360.1	1375.5	1530.9	1702.4	1793.1	1937.4	2357.4
40°	1790.0	1784.4	1661.7	1549.4	1543.9	1574.1	1746.2	1941.1	2041.6	2181.7	2667.1
42.5°	2145.9	2137.2	1970.1	1859.1	1840.6	1851.0	1994.8	2235.3	2337.7	2479.6	3000.2
45°	2461.7	2459.2	2306.3	2157.0	2123.7	2157.0	2305.0	2579.5	2652.9	2802.2	3332.6
47.5°	2726.3	2726.3	2614.7	2517.2	2499.9	2519.7	2725.1	2961.3	2954.5	3145.7	3656.5
50°	3031.0	3028.5	2922.4	2880.5	2898.4	2926.1	3208.6	3363.5	3266.6	3483.1	3945.7
52.5°	3244.4	3259.2	3222.8	3216.0	3307.3	3355.4	3699.6	3757.0	3546.0	3803.3	4162.2
55°	3413.4	3430.7	3472.6	3520.1	3695.9	3758.8	4175.2	4130.2	3779.8	4080.8	4286.8
57.5°	3652.7	3628.1	3692.8	3786.6	4070.9	4146.8	4635.9	4482.4	3967.9	4306.0	4300.4
60°	3943.3	3947.0	3958.1	4076.5	4445.4	4542.8	5089.9	4815.4	4088.8	4444.1	4149.9
62.5°	4292.4	4297.9	4320.8	4502.7	4948.1	5040.0	5573.5	5088.1	4144.3	4405.3	3761.3
65°	4268.3	4291.8	4546.5	5168.9	5712.3	5802.9	6137.9	5279.3	4060.5	4050.0	3062.5
67.5°	3888.4	3926.6	4352.8	5964.6	6864.5	6965.6	6820.1	5316.9	3698.4	3149.4	1997.8
70°	3390.0	3403.6	3916.1	6680.1	8198.6	8301.0	7430.7	4903.0	2806.5	1756.7	895.0
72.5°	2647.3	2650.4	3251.8	6846.0	8922.8	8928.3	6951.5	3639.8	1509.3	674.8	310.9
75°	1891.1	1872.6	2178.0	5551.9	7850.1	7913.1	5211.4	1707.3	576.7	318.9	154.8
77.5°	1014.0	1034.4	1232.4	3292.5	5423.0	5530.3	2843.5	492.2	293.6	217.1	102.4
80°	313.3	330.6	505.2	1507.5	3071.7	3136.5	1054.1	219.0	204.8	154.8	67.2
82.5°	98.7	102.4	235.6	633.5	1274.9	1304.6	305.3	124.0	140.0	102.4	39.5
85°	28.4	29.0	104.9	236.2	315.2	321.4	85.7	48.1	80.2	63.5	20.4
87.5°	3.1	9.9	39.5	39.5	27.8	27.1	9.3	10.5	22.8	8.0	3.7
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: P940078

CATALOG NUMBER: GALN-SB3A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1	1220.1
2.5°	1222.5	1223.1	1215.1	1201.5	1186.7	1174.4	1159.0	1146.7	1138.0	1135.5	1139.9
5°	1231.2	1226.8	1204.0	1162.7	1113.3	1070.8	1023.3	985.7	961.0	950.5	954.2
7.5°	1244.1	1231.8	1181.8	1100.4	1006.0	922.1	837.0	771.0	729.1	708.1	711.2
10°	1255.2	1230.5	1144.8	1010.3	866.0	738.9	624.2	544.6	500.2	479.3	479.9
12.5°	1265.7	1229.9	1096.7	903.6	708.1	552.7	446.0	406.5	394.1	389.8	388.6
15°	1285.4	1231.8	1036.2	781.5	550.8	417.6	378.7	378.1	380.6	379.3	378.7
17.5°	1312.6	1233.6	967.8	652.0	425.0	368.2	366.4	371.9	375.6	373.8	373.2
20°	1347.7	1241.0	895.0	523.7	365.2	355.9	360.2	365.2	368.2	365.2	364.5
22.5°	1397.1	1254.0	815.4	420.7	346.0	348.5	352.2	357.7	360.8	356.5	355.9
25°	1457.5	1274.3	737.1	365.8	336.8	339.9	345.4	351.6	355.3	351.0	350.3
27.5°	1535.9	1307.0	664.9	353.4	327.5	329.4	337.4	346.6	351.6	346.0	346.0
30°	1649.4	1360.7	602.6	359.0	322.0	317.7	328.8	341.7	347.3	342.3	341.7
32.5°	1799.9	1436.6	564.4	367.6	319.5	304.1	314.6	331.2	340.5	337.4	337.4
35°	1997.2	1551.9	549.6	377.5	317.7	289.9	297.3	315.2	331.2	334.3	334.3
37.5°	2236.6	1712.3	553.9	381.8	312.1	278.2	281.9	297.3	318.3	328.1	330.6
40°	2508.6	1899.2	578.6	377.5	305.9	268.3	268.9	280.6	299.2	314.0	318.9
42.5°	2789.2	2117.5	624.2	361.5	300.4	259.7	257.8	265.8	278.2	288.7	293.0
45°	3056.3	2342.0	669.2	339.2	293.6	251.0	246.7	249.8	252.3	256.6	259.1
47.5°	3289.4	2499.9	656.3	318.9	284.3	241.2	233.8	232.5	225.1	224.5	223.9
50°	3450.4	2534.5	582.9	298.5	270.8	230.1	218.4	210.9	198.0	191.8	192.4
52.5°	3501.6	2398.2	476.2	278.2	248.6	215.3	198.6	186.9	170.9	165.3	164.7
55°	3433.8	2131.1	380.6	253.5	217.7	195.5	177.0	161.6	148.7	141.9	141.9
57.5°	3267.9	1791.2	301.0	224.5	185.0	173.3	154.8	139.4	128.3	121.5	120.3
60°	2992.8	1422.4	238.1	190.0	157.9	149.3	130.1	120.3	110.4	102.4	100.5
62.5°	2575.2	1015.3	186.9	150.5	132.0	122.1	111.0	103.6	91.9	80.8	79.0
65°	2009.6	621.1	144.3	110.4	106.1	101.2	94.4	87.6	73.4	62.3	60.4
67.5°	1267.5	294.2	103.0	83.3	83.9	81.4	78.3	72.8	62.3	52.4	51.2
70°	558.2	142.5	67.8	63.5	62.3	62.3	64.8	62.9	53.0	43.8	41.9
72.5°	190.0	76.5	50.6	48.1	45.0	44.4	54.3	52.4	42.6	33.9	32.1
75°	99.3	51.2	37.0	34.5	27.1	32.7	43.2	40.7	30.2	22.2	20.4
77.5°	64.8	36.4	25.3	22.2	15.4	21.6	32.1	28.4	17.9	11.1	9.9
80°	40.7	24.1	14.8	10.5	7.4	11.7	17.3	12.3	6.8	2.5	1.9
82.5°	21.6	12.3	5.6	3.7	3.1	3.7	4.3	3.1	1.2	0.0	0.0
85°	8.6	4.3	1.9	1.2	0.6	0.0	1.2	0.6	0.0	0.0	0.0
87.5°	3.1	0.6	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)