

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: P939224

Luminaire Tested: **GALN-SB1D-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6141 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

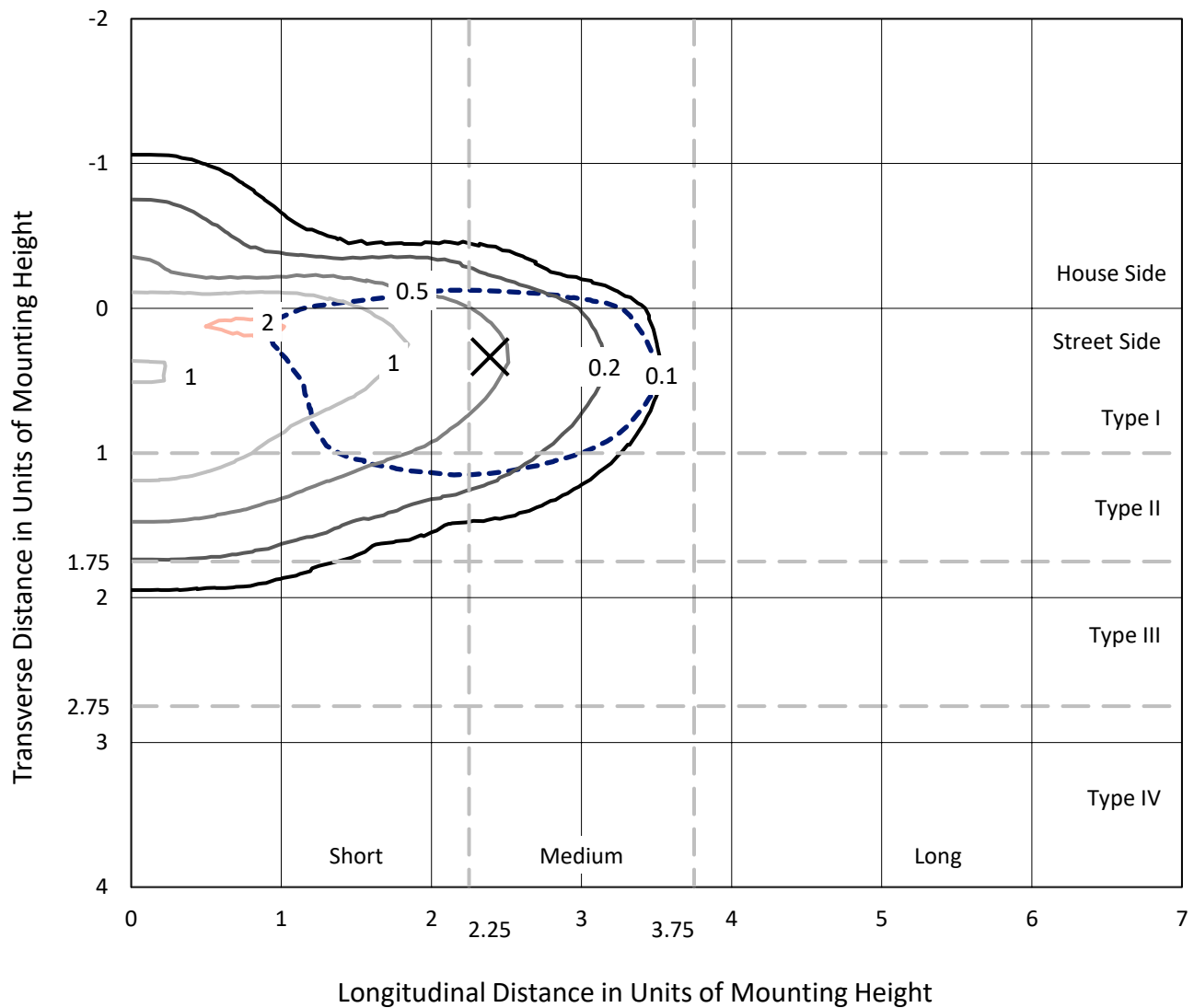


REPORT NUMBER: P939224

CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS

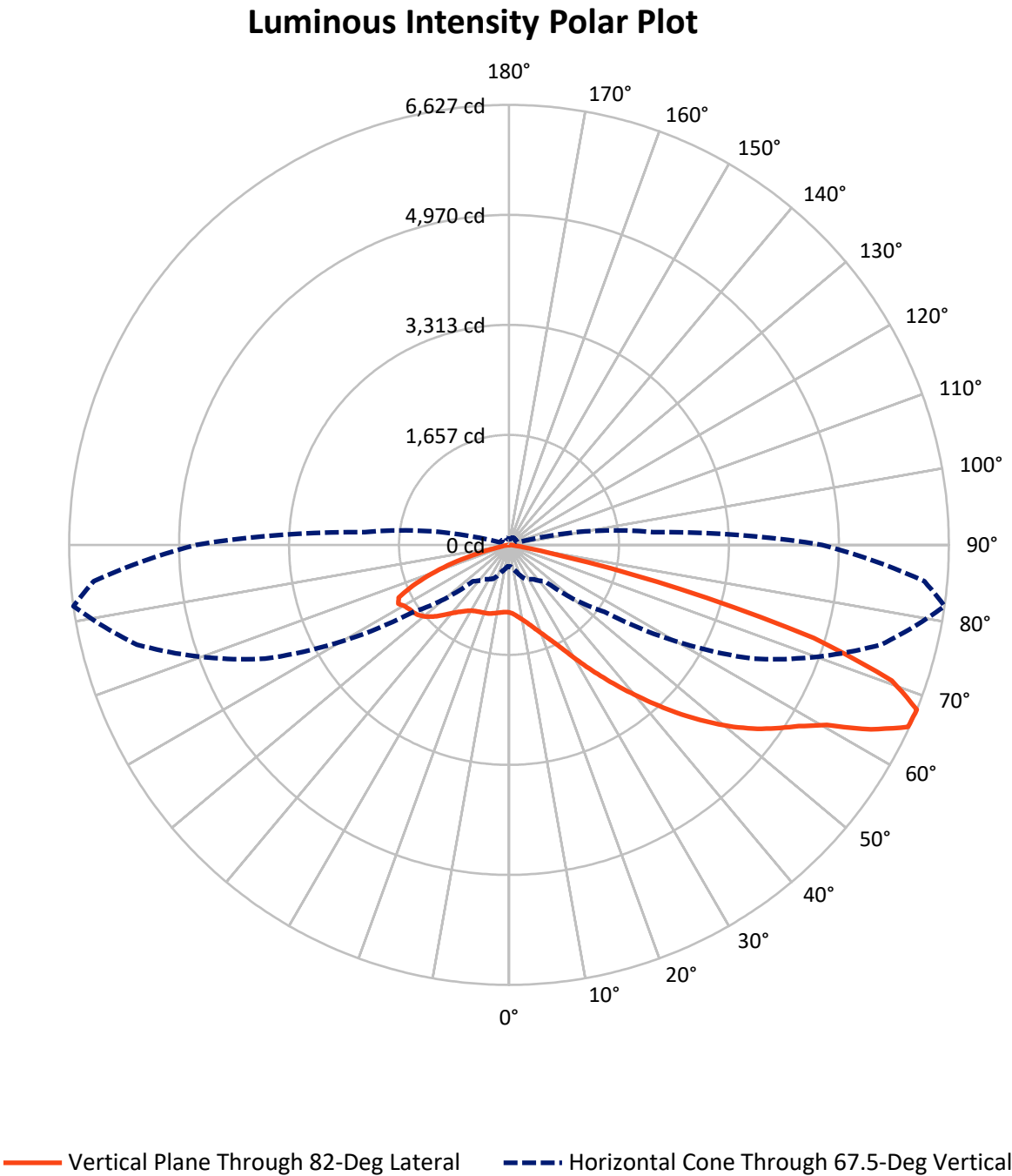
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type II - Medium - N/A

REPORT NUMBER: P939224
CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS



REPORT NUMBER: P939224

CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS

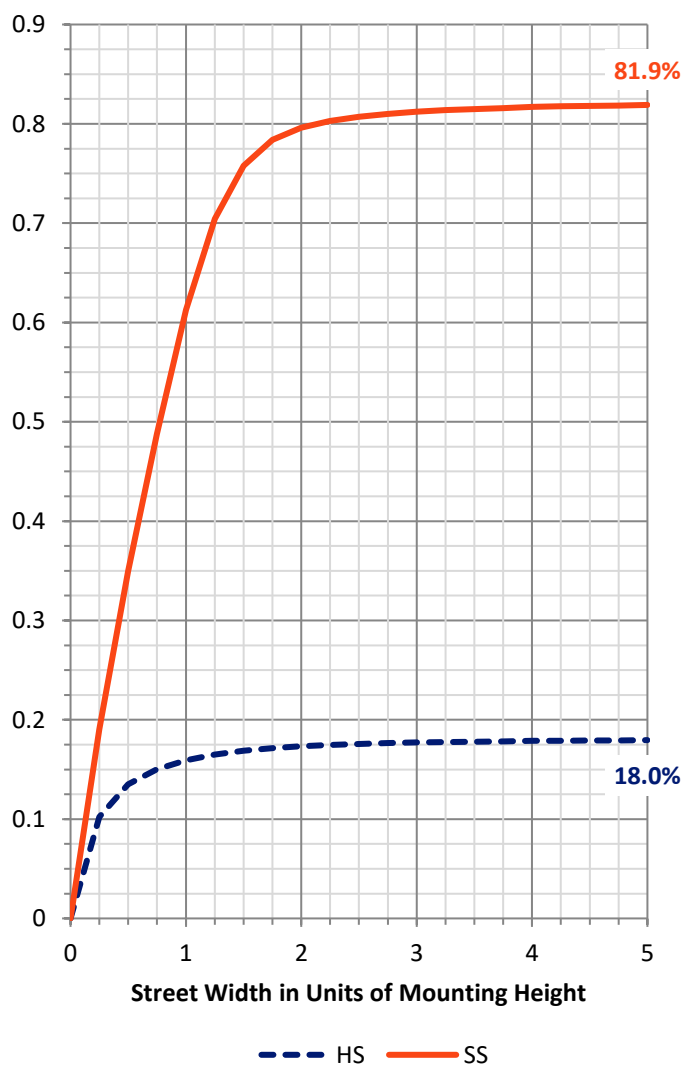
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.4	0.0	1112.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5028.6	0.0	5028.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	6141.0	0.0	6141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	1.5
10°-20°	235.5	3.8
20°-30°	377.3	6.1
30°-40°	667.1	10.9
40°-50°	1168.8	19.0
50°-60°	1558.9	25.4
60°-70°	1451.2	23.6
70°-80°	557.0	9.1
80°-90°	34.6	0.6
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°	6141.0	100.0
0°-180°	6141.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939224

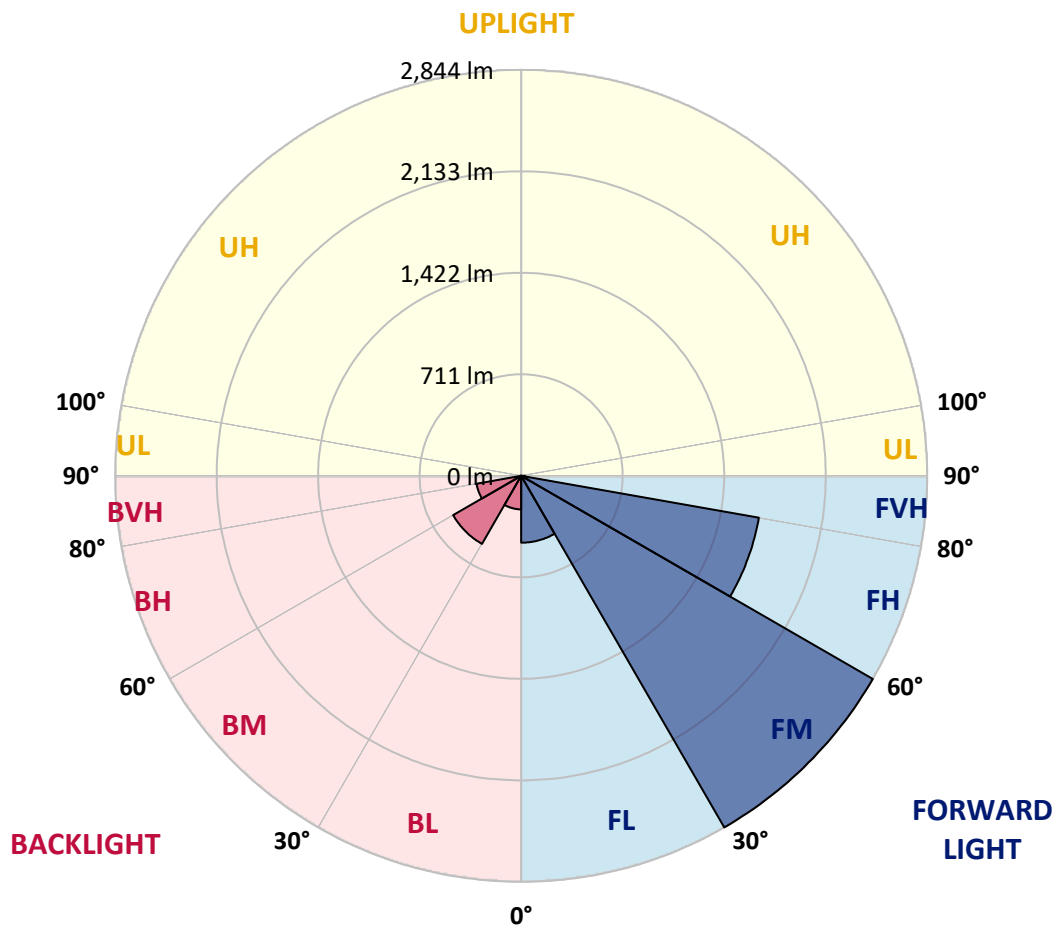
CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	468.5	7.6			
FM	(30°-60°)	2844.3	46.3			
FH	(60°-80°)	1690.7	27.5			G1/1800
FVH	(80°-90°)	25.2	0.4			G1/100
BL	(0°-30°)	234.9	3.8	B1/500		
BM	(30°-60°)	550.5	9.0	B1/1000		
BH	(60°-80°)	317.5	5.2	B1/500		G1/500
BVH	(80°-90°)	9.4	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



REPORT NUMBER: P939224

CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1075.3	1081.5	1077.9	1076.2	1073.1	1068.6	1065.1	1054.1	1042.6	1035.0	1032.4
5°	1096.9	1103.1	1102.7	1104.5	1106.7	1108.0	1107.1	1094.7	1078.4	1065.5	1058.0
7.5°	1078.4	1085.4	1091.2	1100.0	1115.5	1131.9	1139.8	1137.2	1120.4	1102.7	1093.4
10°	1025.8	1033.3	1047.0	1067.8	1100.5	1135.8	1165.5	1179.2	1168.6	1149.1	1136.3
12.5°	929.4	936.9	963.9	1009.0	1063.8	1125.2	1181.8	1218.5	1221.2	1201.7	1186.7
15°	821.0	828.6	857.3	913.9	997.5	1096.1	1190.7	1260.1	1283.5	1266.7	1248.6
17.5°	753.8	760.5	782.1	827.7	914.8	1037.7	1187.6	1304.3	1357.8	1344.5	1322.9
20°	733.5	739.3	749.4	781.3	853.8	977.1	1167.2	1345.9	1437.8	1430.3	1406.0
22.5°	755.2	760.5	763.6	777.7	823.3	937.3	1141.6	1388.3	1530.7	1531.6	1501.9
25°	805.1	810.4	806.9	815.7	835.6	924.9	1131.9	1438.3	1647.4	1657.1	1623.5
27.5°	887.4	887.8	879.4	879.0	882.1	943.5	1142.0	1491.8	1794.6	1812.8	1771.2
30°	1052.3	1045.7	1013.4	978.4	962.5	999.2	1170.3	1555.0	1968.4	2000.7	1948.5
32.5°	1306.5	1296.8	1237.5	1154.0	1070.0	1089.0	1221.2	1627.1	2157.6	2216.0	2152.3
35°	1582.4	1579.8	1517.9	1393.6	1246.8	1216.8	1303.9	1721.7	2364.1	2457.0	2381.3
37.5°	1838.8	1837.5	1802.1	1655.8	1477.2	1394.9	1436.5	1845.5	2585.2	2719.6	2630.3
40°	2073.2	2077.2	2041.8	1910.9	1731.0	1623.5	1616.9	1998.5	2831.0	3005.6	2899.5
42.5°	2275.7	2280.1	2244.3	2147.5	1981.7	1876.4	1838.4	2185.9	3071.1	3312.9	3187.4
45°	2413.2	2440.6	2435.3	2357.9	2239.0	2129.8	2104.6	2421.1	3344.8	3638.8	3491.6
47.5°	2452.1	2477.3	2517.1	2527.7	2455.2	2347.7	2377.8	2704.5	3621.5	3965.1	3797.5
50°	2356.1	2379.6	2462.3	2572.3	2622.8	2589.6	2643.5	3008.3	3904.9	4290.5	4097.7
52.5°	2166.9	2190.8	2295.1	2469.3	2674.9	2779.3	2910.1	3307.6	4179.5	4598.7	4382.0
55°	1893.2	1918.4	2052.4	2249.6	2575.4	2857.5	3132.5	3606.5	4431.1	4875.9	4638.5
57.5°	1520.9	1539.5	1678.8	1954.7	2325.2	2779.7	3296.6	3932.8	4668.1	5148.2	4892.7
60°	991.3	1007.6	1169.5	1477.2	1910.5	2519.7	3329.3	4296.7	4982.9	5502.4	5235.3
62.5°	659.2	670.3	766.2	992.2	1345.4	2020.6	3137.8	4587.2	5444.5	6118.7	5822.9
65°	452.3	463.4	559.3	716.7	869.2	1336.6	2587.4	4548.7	5862.7	6608.2	6258.4
67.5°	322.8	332.0	413.4	562.0	629.2	776.4	1754.0	4057.0	5802.6	6626.7	6281.9
70°	231.2	236.5	303.7	437.7	500.1	466.5	975.4	3102.9	5080.6	6119.2	5803.5
72.5°	161.8	163.6	210.9	333.4	402.8	340.4	464.2	2068.8	3842.6	4802.9	4499.2
75°	109.6	111.9	141.9	244.5	323.2	260.0	245.8	1109.3	2255.8	2658.6	2383.1
77.5°	67.2	68.1	91.5	167.1	241.8	198.1	158.3	470.0	872.8	856.9	730.4
80°	38.0	38.0	58.4	103.9	164.9	127.8	111.0	199.8	276.3	242.7	214.0
82.5°	21.2	21.7	42.4	64.6	109.2	75.6	61.0	92.4	119.4	105.7	92.0
85°	8.8	9.7	26.1	30.5	52.2	37.6	24.8	38.9	44.2	39.4	28.7
87.5°	0.9	1.3	8.0	5.7	6.2	7.5	3.5	7.5	6.2	6.2	4.4
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: P939224

CATALOG NUMBER: GALN-SB1D-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1024.0	1017.4	1000.6	981.1	955.5	943.1	926.3	914.8	905.1	905.9	897.1
5°	1043.9	1027.1	989.5	942.6	884.3	842.7	798.5	768.0	743.2	737.9	726.0
7.5°	1071.3	1044.8	978.9	894.4	795.8	721.1	654.4	611.5	581.0	571.2	561.5
10°	1106.7	1068.2	965.2	833.9	691.9	596.9	525.3	491.7	470.9	463.8	458.5
12.5°	1147.8	1095.2	947.1	760.0	584.9	493.4	447.9	431.1	424.5	422.2	420.9
15°	1199.5	1128.8	919.6	672.5	494.3	430.2	410.7	408.5	409.4	408.5	408.1
17.5°	1261.0	1165.5	875.0	582.3	433.3	397.9	390.8	392.6	394.8	394.4	393.5
20°	1328.2	1201.7	818.0	502.3	391.7	374.9	371.0	372.7	374.5	373.6	373.2
22.5°	1404.7	1240.6	754.7	439.9	363.9	353.7	349.3	349.7	349.7	348.0	347.1
25°	1496.2	1283.5	688.4	395.7	342.7	334.7	329.4	327.6	325.0	319.7	318.8
27.5°	1605.4	1329.1	624.7	364.8	325.9	318.3	312.1	307.7	301.1	292.3	291.4
30°	1728.3	1384.3	570.8	345.3	312.6	305.1	298.0	291.4	281.6	270.6	269.7
32.5°	1872.9	1443.6	531.4	332.5	300.7	292.7	284.3	276.3	265.7	254.7	255.1
35°	2045.3	1515.2	508.5	323.6	291.4	280.8	271.5	262.6	254.7	244.9	244.1
37.5°	2232.3	1591.2	501.4	319.2	285.2	268.8	258.2	252.0	251.1	245.4	244.9
40°	2437.1	1681.4	506.7	316.6	278.5	257.3	245.8	244.5	246.7	236.5	237.0
42.5°	2653.7	1788.4	515.5	313.5	269.3	245.8	234.8	234.8	233.0	218.9	218.9
45°	2888.0	1911.8	524.4	306.0	258.2	234.3	225.9	222.8	215.3	201.6	201.2
47.5°	3124.1	2037.4	531.0	292.3	244.9	224.6	217.1	210.0	199.0	186.6	186.1
50°	3348.3	2150.1	523.9	271.9	229.9	215.3	207.4	197.6	185.7	177.3	176.0
52.5°	3548.6	2247.8	493.9	248.0	214.0	205.6	198.5	188.4	178.6	169.8	168.9
55°	3722.8	2327.0	440.8	225.5	199.8	197.2	190.1	177.3	164.0	156.5	155.6
57.5°	3889.9	2387.1	374.5	206.9	187.0	187.9	177.3	165.8	153.4	145.5	144.6
60°	4112.3	2467.6	307.3	189.7	173.3	176.0	164.5	156.1	140.6	130.4	129.1
62.5°	4467.8	2592.7	244.1	168.5	157.4	158.3	153.4	143.3	124.7	112.7	111.9
65°	4749.9	2546.7	192.3	145.5	139.3	140.6	140.6	129.5	109.6	95.9	94.6
67.5°	4718.0	2180.6	153.4	122.9	122.0	122.9	126.0	116.7	97.3	86.2	84.4
70°	4346.2	1734.5	122.9	102.1	106.1	103.9	112.7	106.6	87.5	76.5	75.2
72.5°	3546.4	1249.5	93.7	84.4	81.4	84.9	101.7	95.9	73.0	60.6	59.2
75°	2072.3	666.7	69.9	66.8	58.8	70.7	90.2	81.8	55.7	44.7	43.3
77.5°	674.7	232.6	51.3	49.1	43.8	57.0	76.9	69.0	45.5	35.4	34.0
80°	180.8	70.3	34.9	32.3	28.3	42.4	61.0	54.8	32.7	23.0	22.5
82.5°	72.5	29.6	20.3	18.1	15.5	29.2	48.2	44.2	24.3	14.6	14.6
85°	23.4	9.7	7.5	5.7	7.1	18.1	28.7	30.1	17.2	7.5	5.7
87.5°	3.1	1.3	1.3	1.8	1.3	3.1	8.8	8.4	4.9	0.9	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)