

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: P939057

Luminaire Tested: **GALN-SB1C-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

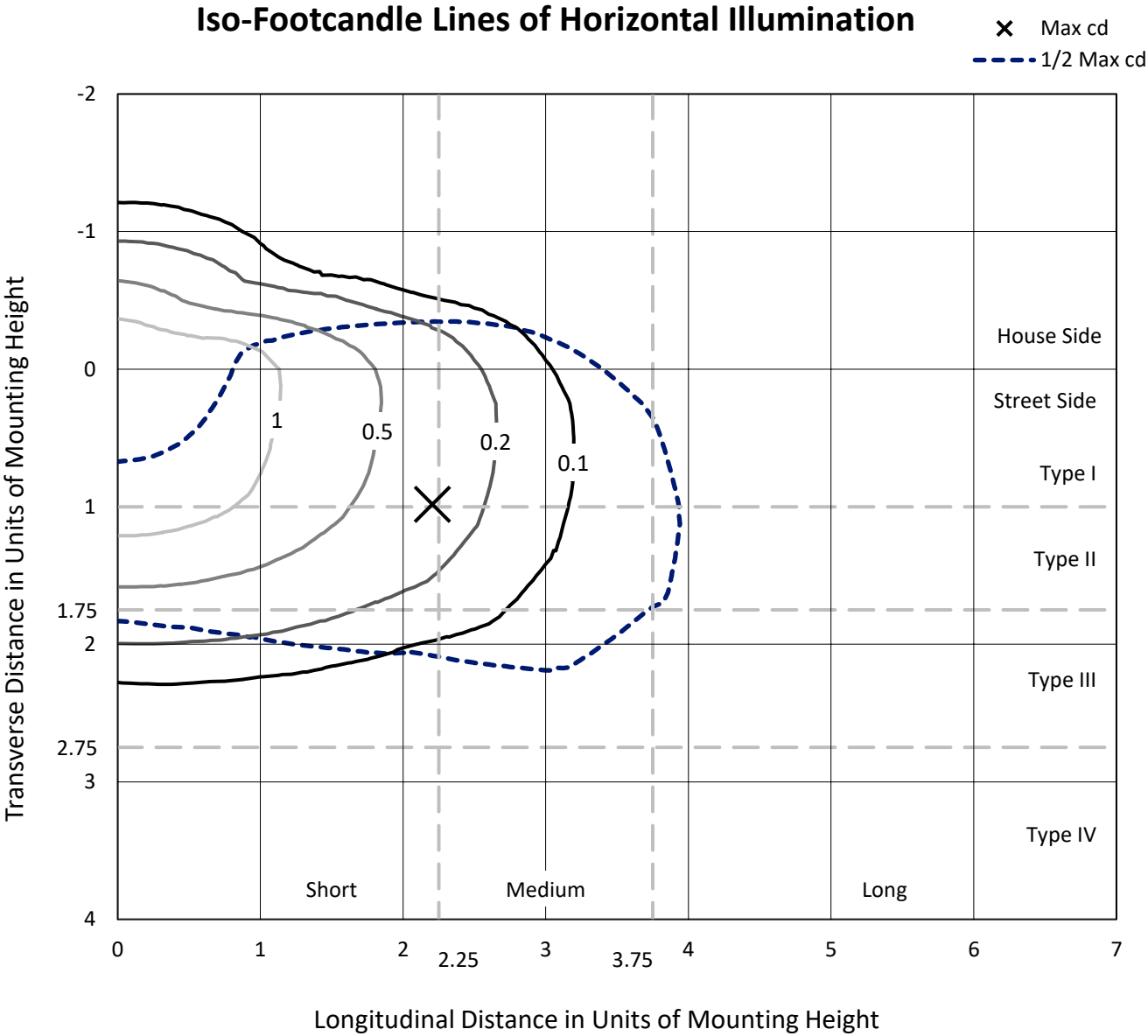
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4
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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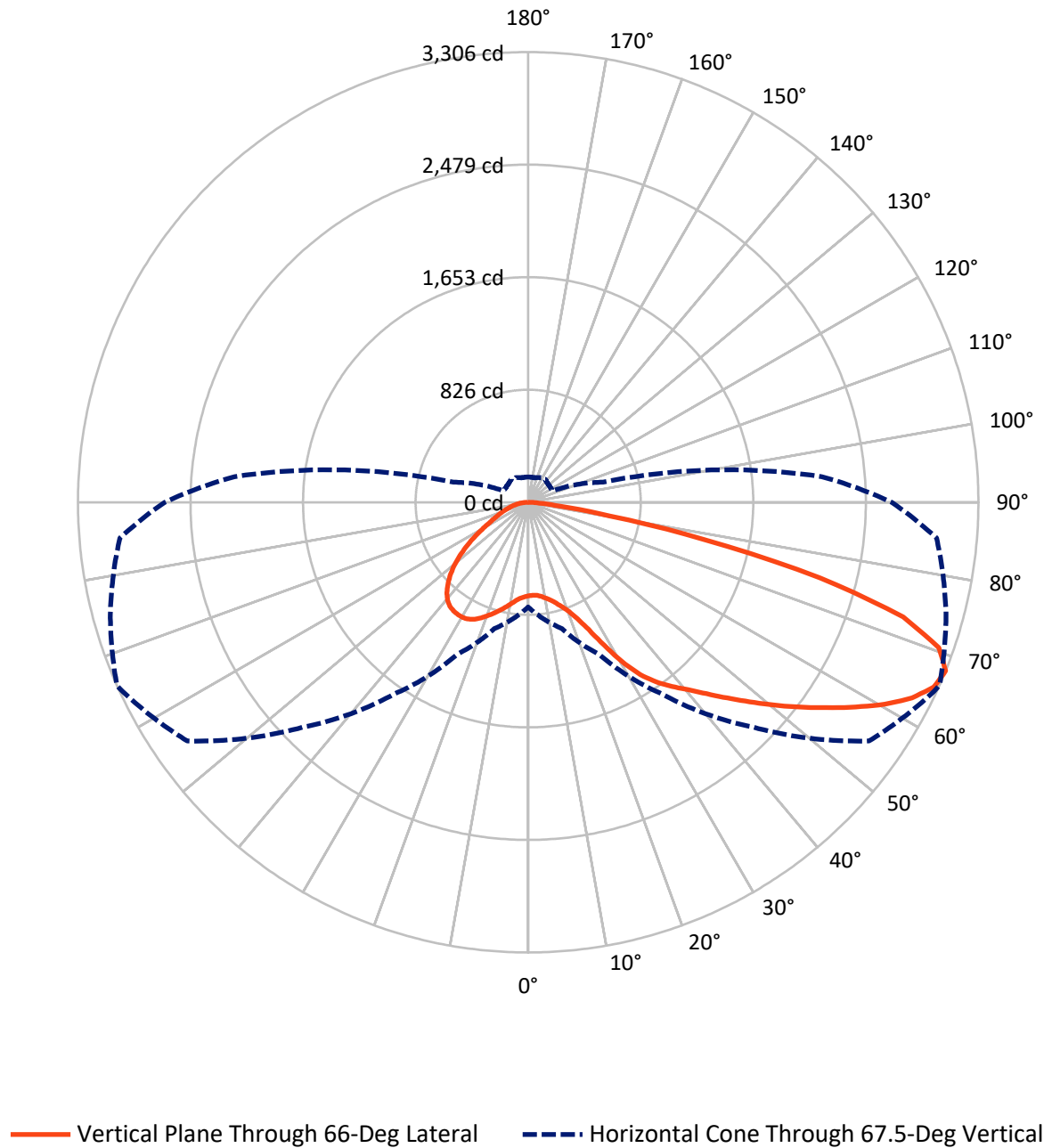


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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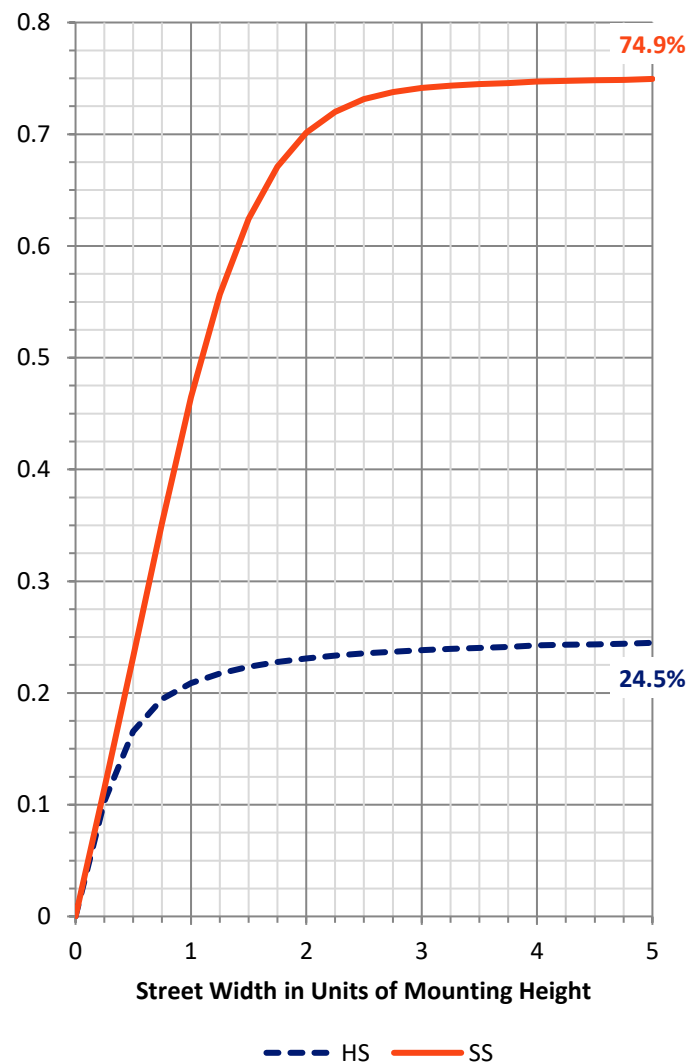
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.9	0.0	1539.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4653.1	0.0	4653.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	6193.0	0.0	6193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.1
10°-20°	225.0	3.6
20°-30°	433.7	7.0
30°-40°	760.4	12.3
40°-50°	1130.4	18.3
50°-60°	1433.0	23.1
60°-70°	1402.1	22.6
70°-80°	668.8	10.8
80°-90°	71.5	1.2
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°	6193.0	100.0
0°-180°	6193.0	100.0

Coefficient of Utilization



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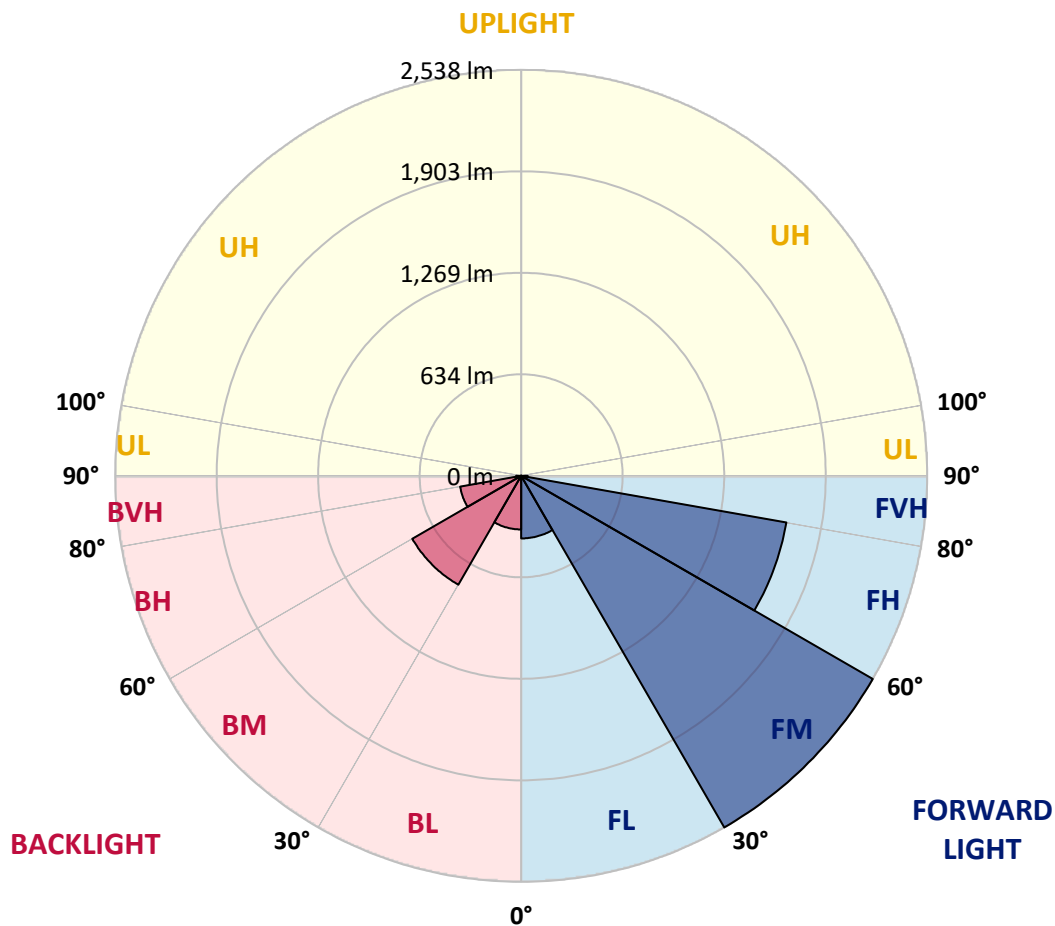
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.3	6.3			
FM	(30°-60°)	2537.8	41.0			
FH	(60°-80°)	1683.4	27.2			G1/1800
FVH	(80°-90°)	40.5	0.7			G1/100
BL	(0°-30°)	335.4	5.4	B1/500		
BM	(30°-60°)	786.0	12.7	B1/1000		
BH	(60°-80°)	387.5	6.3	B1/500		G1/500
BVH	(80°-90°)	31.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9
2.5°	679.7	683.6	682.7	681.0	680.7	681.4	682.3	683.3	683.0	684.6	687.2
5°	677.8	681.7	681.4	681.4	682.7	685.3	686.9	688.5	686.9	688.8	692.4
7.5°	679.1	682.0	683.3	684.6	687.9	692.7	696.6	700.2	698.3	700.6	705.1
10°	695.7	697.9	699.3	699.3	701.5	707.1	711.0	717.5	715.8	719.4	725.3
12.5°	725.9	728.2	728.2	726.9	728.5	732.1	733.4	740.6	737.6	743.5	749.4
15°	763.0	767.6	764.0	761.7	762.4	766.0	765.6	771.2	768.2	773.1	778.3
17.5°	804.0	809.9	804.0	803.7	802.4	806.3	806.6	811.5	806.3	809.9	813.5
20°	852.5	860.6	855.8	857.4	854.5	856.1	857.7	864.9	856.7	859.3	858.4
22.5°	920.8	930.6	925.4	931.6	929.6	928.3	928.0	940.7	928.0	929.0	919.5
25°	1020.4	1032.1	1023.0	1031.5	1031.5	1035.7	1040.6	1056.8	1035.7	1029.5	1005.1
27.5°	1167.5	1179.2	1161.3	1166.5	1164.9	1175.3	1170.1	1210.4	1187.7	1177.6	1128.4
30°	1344.5	1365.3	1331.5	1330.2	1328.5	1345.1	1352.6	1379.3	1356.2	1346.1	1286.9
32.5°	1535.8	1557.6	1517.3	1505.6	1499.4	1509.5	1503.3	1524.7	1508.8	1493.2	1420.0
35°	1738.2	1759.7	1721.3	1698.5	1673.8	1652.6	1630.5	1636.0	1621.1	1597.3	1521.5
37.5°	1929.5	1968.9	1928.2	1903.8	1858.3	1816.9	1755.1	1729.4	1715.4	1693.6	1617.2
40°	2124.4	2146.9	2116.0	2095.1	2045.7	1980.9	1882.0	1827.7	1808.8	1787.7	1722.9
42.5°	2267.9	2289.4	2272.8	2258.5	2219.8	2144.6	2016.7	1948.7	1921.4	1897.6	1842.6
45°	2381.8	2397.8	2387.3	2392.5	2376.0	2303.1	2156.3	2078.6	2050.2	2021.3	1978.0
47.5°	2427.7	2444.6	2461.2	2492.1	2520.4	2466.7	2306.3	2219.1	2189.2	2159.6	2116.9
50°	2422.5	2439.7	2487.9	2553.6	2641.5	2623.6	2464.5	2368.8	2341.1	2307.3	2267.9
52.5°	2380.8	2400.4	2462.2	2571.5	2711.4	2741.0	2625.5	2523.4	2497.3	2457.0	2417.6
55°	2271.5	2283.2	2376.0	2530.8	2728.0	2823.0	2783.3	2688.0	2662.0	2605.7	2562.7
57.5°	2068.8	2085.7	2220.7	2421.2	2686.4	2878.7	2921.9	2861.1	2836.0	2755.0	2710.1
60°	1804.3	1831.3	1985.8	2237.0	2580.3	2878.3	3047.9	3031.3	3010.5	2902.1	2855.2
62.5°	1504.9	1536.1	1684.8	1976.7	2394.8	2796.7	3126.6	3173.8	3163.1	3037.8	2977.9
65°	1155.8	1177.2	1325.3	1639.9	2106.2	2621.3	3135.7	3271.1	3273.0	3140.9	3042.0
67.5°	769.5	831.4	959.9	1230.6	1719.7	2334.6	3055.7	3287.0	3305.9	3176.4	3009.8
70°	375.5	456.8	582.8	799.8	1230.6	1895.0	2846.5	3156.2	3198.2	3072.9	2817.8
72.5°	155.9	182.2	250.9	394.7	706.4	1278.8	2426.1	2801.6	2879.3	2722.8	2369.1
75°	105.1	113.9	143.5	202.4	321.8	630.6	1749.6	2089.0	2214.2	2056.4	1680.9
77.5°	81.0	86.6	104.4	141.5	191.3	238.5	936.5	1258.9	1323.7	1225.4	874.6
80°	63.8	68.0	78.1	103.1	135.7	127.6	319.2	570.4	607.8	509.9	281.1
82.5°	55.3	56.9	56.0	70.0	90.1	74.5	104.8	210.5	232.3	168.5	91.8
85°	40.0	44.6	46.5	43.3	47.8	37.7	43.0	74.5	82.0	73.2	51.7
87.5°	16.3	24.1	29.6	28.0	17.6	10.7	13.3	21.8	25.1	27.3	16.9
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°	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9
2.5°	687.5	689.8	691.4	693.4	694.7	696.6	700.6	702.8	703.2	704.8	704.5
5°	693.7	697.0	700.6	705.8	711.6	716.5	724.0	729.2	731.1	732.8	732.4
7.5°	707.1	711.6	718.1	727.2	735.7	742.2	751.3	757.5	763.7	766.0	766.3
10°	726.9	733.4	742.9	755.2	764.3	772.8	782.2	787.4	793.6	796.2	797.5
12.5°	751.6	758.5	770.8	788.1	796.5	802.4	805.7	804.3	805.7	807.9	808.6
15°	779.9	787.4	801.4	820.0	825.8	820.6	813.5	807.0	806.0	806.6	808.9
17.5°	813.5	819.0	835.3	850.9	846.6	825.2	809.6	799.1	793.9	792.3	794.6
20°	860.3	860.3	873.7	883.4	855.1	818.7	794.3	777.3	766.6	762.0	761.1
22.5°	917.3	912.1	920.5	913.7	853.5	800.4	766.6	737.3	721.1	714.5	713.6
25°	989.5	983.3	981.0	938.7	841.8	771.5	716.5	681.0	666.7	663.1	663.8
27.5°	1098.5	1082.9	1053.3	952.4	820.3	725.9	657.9	625.1	616.9	617.3	618.2
30°	1243.6	1212.4	1139.8	954.7	785.2	661.5	598.1	574.6	570.7	572.4	577.9
32.5°	1378.0	1348.4	1228.3	944.3	731.1	598.4	544.4	528.7	522.9	524.8	527.4
35°	1483.4	1475.3	1310.3	929.6	664.8	539.2	496.2	482.9	471.5	468.9	470.8
37.5°	1583.0	1579.7	1371.8	909.1	599.0	497.2	457.5	439.9	423.3	414.2	414.5
40°	1692.3	1689.1	1412.2	877.6	540.8	460.7	422.7	399.6	379.1	362.5	364.1
42.5°	1815.3	1796.1	1431.4	832.3	491.3	429.8	394.4	363.1	336.1	320.8	321.8
45°	1949.7	1906.4	1431.0	774.7	449.7	401.5	364.1	319.9	294.8	280.5	279.8
47.5°	2092.2	2011.8	1413.5	711.0	409.3	370.3	317.2	283.4	266.8	258.0	256.1
50°	2239.3	2110.4	1383.5	637.8	368.0	334.8	288.0	264.9	252.2	244.0	241.1
52.5°	2377.6	2199.9	1347.4	554.8	326.0	300.3	274.9	257.1	243.7	234.6	230.7
55°	2506.1	2277.0	1296.3	469.9	291.9	277.2	268.8	253.8	238.5	227.8	223.5
57.5°	2620.3	2327.1	1208.2	390.1	267.5	261.3	262.3	248.3	230.7	221.6	215.7
60°	2715.3	2363.9	1077.7	316.3	247.6	245.7	252.2	237.9	217.4	206.9	202.4
62.5°	2772.3	2363.3	917.6	259.0	230.7	231.3	238.8	224.8	204.0	194.3	191.3
65°	2767.4	2305.3	741.9	221.6	214.4	215.1	224.8	210.5	193.0	187.1	186.8
67.5°	2669.5	2164.1	569.1	197.2	196.5	199.5	210.8	200.8	186.1	185.5	186.4
70°	2404.3	1871.0	410.0	177.7	178.0	182.2	197.2	194.6	182.5	183.8	183.5
72.5°	1927.9	1426.5	275.3	157.2	157.5	164.3	184.2	189.7	179.0	196.2	198.8
75°	1284.0	889.6	177.0	135.4	135.7	144.5	172.8	180.3	169.2	195.6	197.2
77.5°	616.9	399.9	128.2	113.9	113.9	122.0	149.4	161.4	144.1	152.0	139.3
80°	213.1	150.3	100.9	91.8	89.8	95.3	125.9	139.9	124.3	114.5	107.4
82.5°	83.9	78.1	81.0	71.3	64.8	68.3	97.9	115.5	91.4	82.6	82.3
85°	48.2	50.8	57.3	47.2	37.4	42.0	71.9	83.0	69.0	60.8	62.1
87.5°	13.0	17.9	26.4	24.4	16.9	17.9	34.2	45.9	39.7	30.6	31.6
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)