

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: P939397

Luminaire Tested: **GALN-SB2A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939397
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-SB2A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

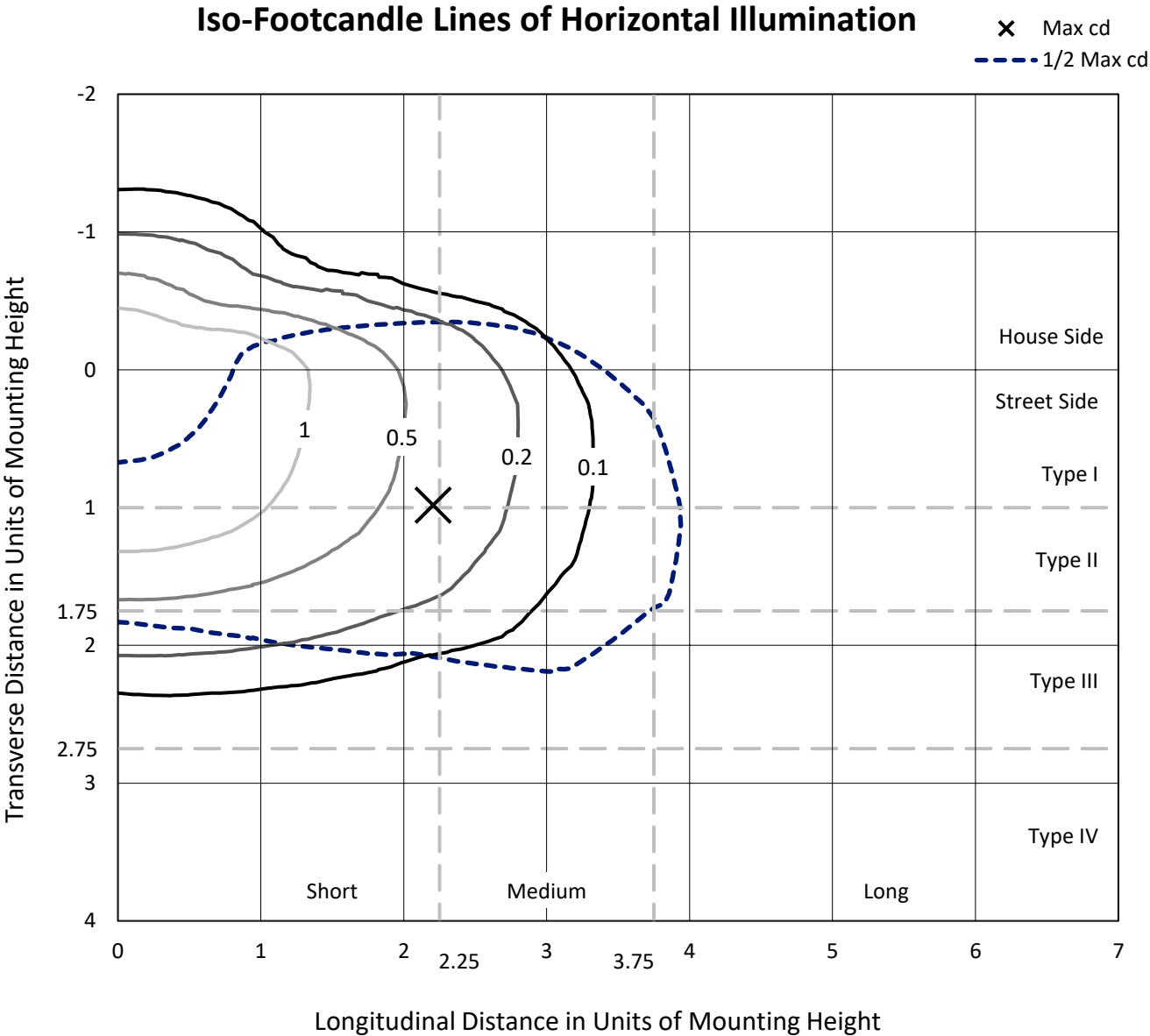
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7416 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 57.3
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

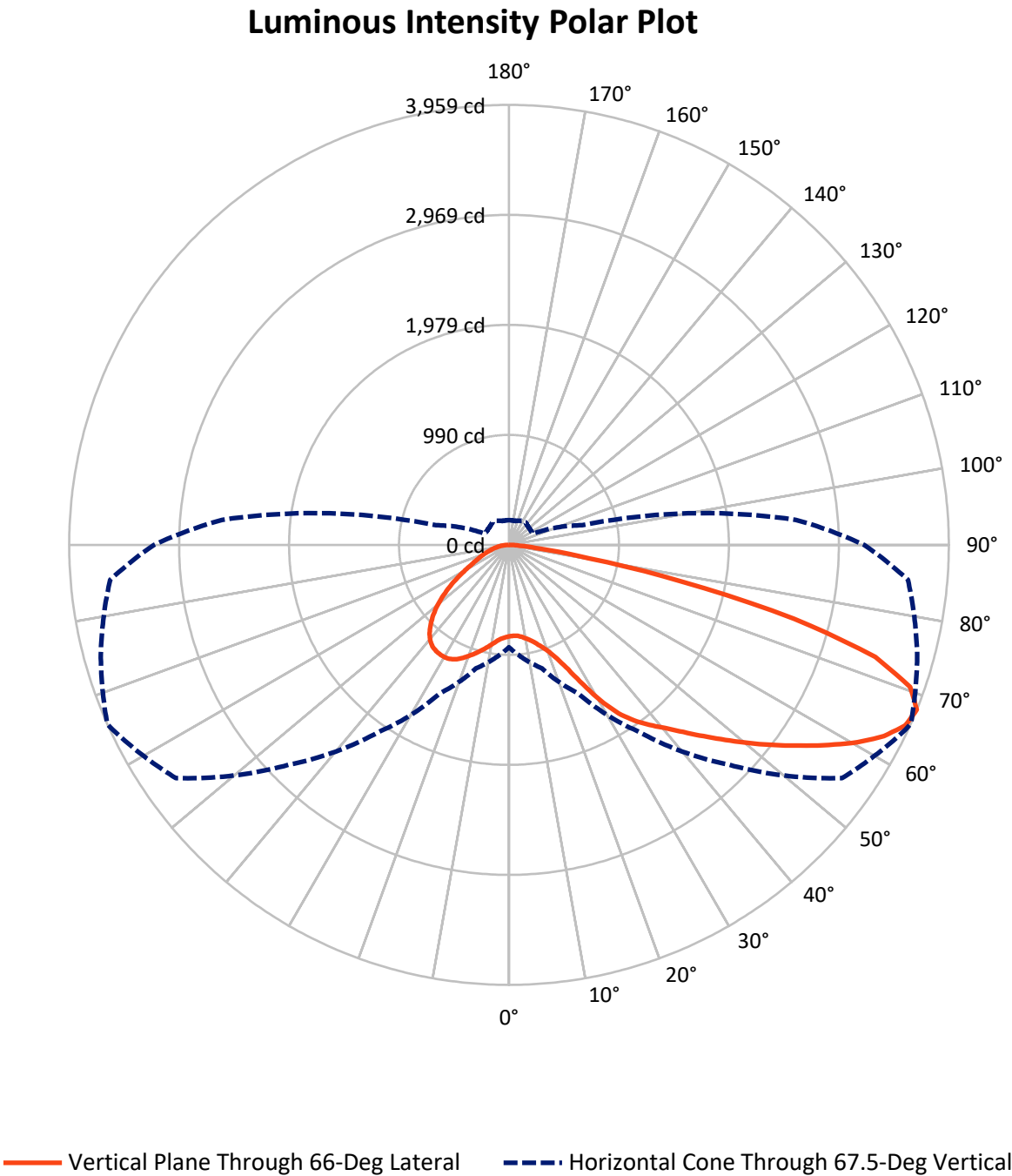


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Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Short - N/A

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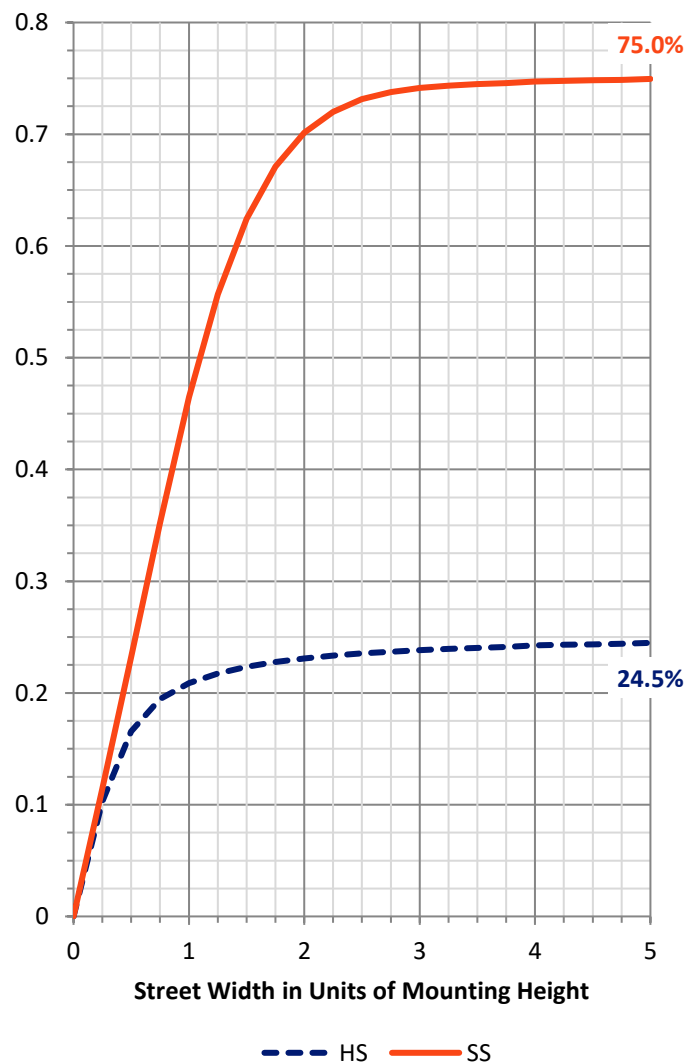
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1844.0	0.0	1844.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5572.0	0.0	5572.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	7416.0	0.0	7416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.1
10°-20°	269.4	3.6
20°-30°	519.3	7.0
30°-40°	910.6	12.3
40°-50°	1353.7	18.3
50°-60°	1715.9	23.1
60°-70°	1679.0	22.6
70°-80°	800.9	10.8
80°-90°	85.6	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°	7416.0	100.0
0°-180°	7416.0	100.0

Coefficient of Utilization



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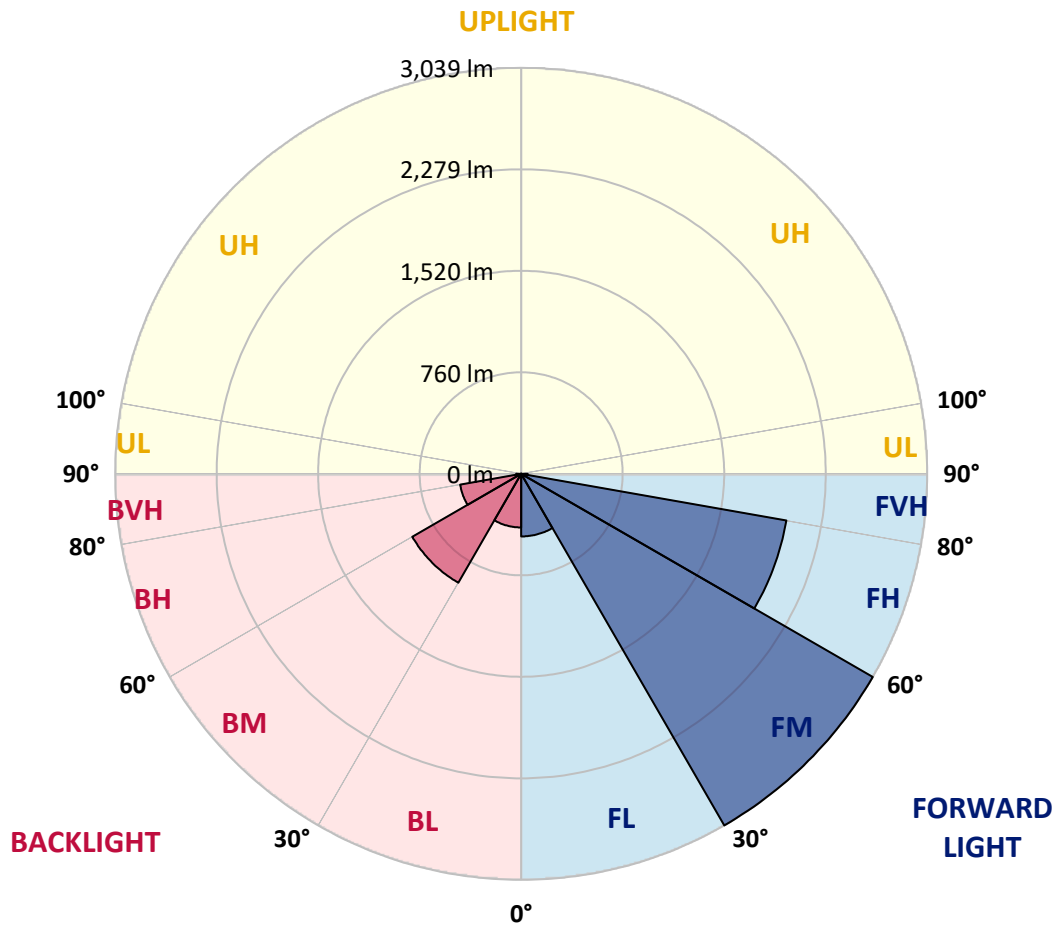
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	468.6	6.3			
FM	(30°-60°)	3039.0	41.0			
FH	(60°-80°)	2015.9	27.2			G2/5000
FVH	(80°-90°)	48.5	0.7			G1/100
BL	(0°-30°)	401.7	5.4	B1/500		
BM	(30°-60°)	941.2	12.7	B1/1000		
BH	(60°-80°)	464.0	6.3	B1/500		G1/500
BVH	(80°-90°)	37.1	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	814.0	818.6	817.5	815.5	815.1	815.9	817.1	818.2	817.9	819.8	822.9
5°	811.6	816.3	815.9	815.9	817.5	820.6	822.5	824.5	822.5	824.9	829.2
7.5°	813.2	816.7	818.2	819.8	823.7	829.5	834.2	838.5	836.2	838.9	844.4
10°	833.1	835.8	837.3	837.3	840.1	846.7	851.4	859.2	857.2	861.5	868.5
12.5°	869.3	872.0	872.0	870.5	872.4	876.7	878.3	886.8	883.3	890.3	897.3
15°	913.7	919.2	914.9	912.1	912.9	917.2	916.8	923.4	919.9	925.8	932.0
17.5°	962.8	969.8	962.8	962.4	960.9	965.5	965.9	971.8	965.5	969.8	974.1
20°	1020.9	1030.6	1024.8	1026.7	1023.2	1025.1	1027.1	1035.7	1025.9	1029.0	1027.9
22.5°	1102.7	1114.4	1108.1	1115.5	1113.2	1111.6	1111.3	1126.5	1111.3	1112.4	1101.1
25°	1221.9	1235.9	1225.0	1235.2	1235.2	1240.2	1246.1	1265.6	1240.2	1232.8	1203.6
27.5°	1398.0	1412.1	1390.6	1396.9	1394.9	1407.4	1401.1	1449.5	1422.2	1410.1	1351.3
30°	1610.0	1634.9	1594.4	1592.9	1590.9	1610.8	1619.7	1651.7	1624.0	1611.9	1541.0
32.5°	1839.1	1865.2	1816.9	1802.9	1795.5	1807.5	1800.1	1825.9	1806.8	1788.1	1700.4
35°	2081.5	2107.2	2061.2	2033.9	2004.3	1979.0	1952.5	1959.1	1941.2	1912.7	1822.0
37.5°	2310.6	2357.7	2309.0	2279.8	2225.2	2175.8	2101.7	2070.9	2054.2	2028.1	1936.5
40°	2544.0	2570.9	2533.8	2508.9	2449.7	2372.1	2253.7	2188.6	2166.0	2140.7	2063.1
42.5°	2715.8	2741.5	2721.6	2704.5	2658.1	2568.1	2415.0	2333.6	2300.8	2272.4	2206.5
45°	2852.2	2871.3	2858.8	2865.0	2845.2	2757.9	2582.2	2489.0	2455.1	2420.5	2368.6
47.5°	2907.1	2927.4	2947.2	2984.3	3018.2	2953.9	2761.8	2657.4	2621.5	2586.0	2535.0
50°	2900.9	2921.5	2979.2	3057.9	3163.1	3141.7	2951.1	2836.6	2803.5	2762.9	2715.8
52.5°	2851.0	2874.4	2948.4	3079.3	3246.9	3282.3	3144.0	3021.7	2990.5	2942.2	2895.0
55°	2720.1	2734.1	2845.2	3030.6	3266.8	3380.5	3333.0	3218.8	3187.7	3120.2	3068.8
57.5°	2477.3	2497.6	2659.3	2899.3	3216.9	3447.2	3499.0	3426.1	3396.1	3299.1	3245.3
60°	2160.6	2192.9	2378.0	2678.8	3089.9	3446.8	3649.8	3629.9	3605.0	3475.2	3419.1
62.5°	1802.1	1839.5	2017.6	2367.1	2867.8	3349.0	3744.1	3800.6	3787.7	3637.7	3566.0
65°	1384.0	1409.7	1587.0	1963.8	2522.1	3138.9	3755.0	3917.1	3919.4	3761.2	3642.8
67.5°	921.5	995.5	1149.4	1473.6	2059.3	2795.7	3659.1	3936.2	3958.8	3803.7	3604.2
70°	449.6	547.1	697.8	957.7	1473.6	2269.3	3408.6	3779.5	3829.8	3679.8	3374.3
72.5°	186.6	218.2	300.4	472.6	845.9	1531.3	2905.2	3354.8	3447.9	3260.5	2837.0
75°	125.9	136.4	171.8	242.4	385.4	755.1	2095.1	2501.5	2651.5	2462.5	2012.9
77.5°	97.0	103.6	125.1	169.5	229.1	285.6	1121.4	1507.5	1585.1	1467.4	1047.4
80°	76.4	81.4	93.5	123.5	162.5	152.7	382.2	683.0	727.8	610.6	336.6
82.5°	66.2	68.2	67.0	83.8	107.9	89.2	125.5	252.1	278.2	201.8	109.9
85°	47.9	53.4	55.7	51.8	57.3	45.2	51.4	89.2	98.2	87.7	62.0
87.5°	19.5	28.8	35.5	33.5	21.0	12.9	16.0	26.1	30.0	32.7	20.3
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°	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	823.3	826.0	828.0	830.3	831.9	834.2	838.9	841.6	842.0	844.0	843.6
5°	830.7	834.6	838.9	845.1	852.1	858.0	867.0	873.2	875.5	877.5	877.1
7.5°	846.7	852.1	859.9	870.8	881.0	888.8	899.7	907.1	914.5	917.2	917.6
10°	870.5	878.3	889.6	904.4	915.3	925.4	936.7	942.9	950.3	953.5	955.0
12.5°	900.1	908.3	923.1	943.7	953.8	960.9	964.8	963.2	964.8	967.5	968.3
15°	934.0	942.9	959.7	981.9	988.9	982.7	974.1	966.3	965.1	965.9	968.6
17.5°	974.1	980.7	1000.2	1018.9	1013.8	988.1	969.4	957.0	950.7	948.8	951.5
20°	1030.2	1030.2	1046.2	1057.9	1024.0	980.3	951.1	930.9	918.0	912.5	911.4
22.5°	1098.4	1092.2	1102.3	1094.1	1022.0	958.5	918.0	882.9	863.4	855.7	854.5
25°	1184.9	1177.5	1174.8	1124.1	1008.0	923.8	858.0	815.5	798.4	794.1	794.9
27.5°	1315.4	1296.7	1261.3	1140.5	982.3	869.3	787.9	748.5	738.8	739.1	740.3
30°	1489.2	1451.8	1364.9	1143.2	940.2	792.1	716.2	688.1	683.4	685.4	692.0
32.5°	1650.1	1614.7	1470.9	1130.7	875.5	716.6	651.9	633.2	626.2	628.5	631.6
35°	1776.4	1766.6	1569.1	1113.2	796.0	645.6	594.2	578.2	564.6	561.5	563.8
37.5°	1895.6	1891.7	1642.7	1088.7	717.3	595.4	547.8	526.8	506.9	496.0	496.4
40°	2026.5	2022.6	1691.0	1050.9	647.6	551.7	506.1	478.5	453.9	434.1	436.0
42.5°	2173.8	2150.8	1714.0	996.7	588.4	514.7	472.2	434.8	402.5	384.2	385.4
45°	2334.7	2282.9	1713.6	927.7	538.5	480.8	436.0	383.0	353.0	335.9	335.1
47.5°	2505.4	2409.2	1692.6	851.4	490.2	443.4	379.9	339.4	319.5	309.0	306.6
50°	2681.5	2527.2	1656.8	763.7	440.7	400.9	344.8	317.2	302.0	292.2	288.7
52.5°	2847.1	2634.4	1613.5	664.3	390.4	359.6	329.2	307.8	291.8	280.9	276.3
55°	3001.0	2726.7	1552.3	562.6	349.5	332.0	321.8	303.9	285.6	272.7	267.7
57.5°	3137.8	2786.7	1446.7	467.2	320.3	312.9	314.1	297.3	276.3	265.3	258.3
60°	3251.6	2830.7	1290.5	378.7	296.5	294.2	302.0	284.8	260.3	247.8	242.4
62.5°	3319.7	2830.0	1098.8	310.2	276.3	277.0	286.0	269.2	244.3	232.6	229.1
65°	3313.9	2760.6	888.4	265.3	256.8	257.6	269.2	252.1	231.1	224.0	223.7
67.5°	3196.6	2591.5	681.5	236.1	235.3	238.9	252.5	240.4	222.9	222.1	223.3
70°	2879.1	2240.4	490.9	212.7	213.1	218.2	236.1	233.0	218.6	220.1	219.8
72.5°	2308.6	1708.2	329.6	188.2	188.6	196.8	220.5	227.2	214.3	235.0	238.1
75°	1537.5	1065.3	212.0	162.1	162.5	173.0	206.9	215.9	202.6	234.2	236.1
77.5°	738.8	478.9	153.5	136.4	136.4	146.1	178.8	193.3	172.6	182.0	166.8
80°	255.2	180.0	120.8	109.9	107.5	114.2	150.8	167.5	148.8	137.2	128.6
82.5°	100.5	93.5	97.0	85.3	77.5	81.8	117.3	138.3	109.5	99.0	98.6
85°	57.7	60.8	68.6	56.5	44.8	50.3	86.1	99.4	82.6	72.9	74.4
87.5°	15.6	21.4	31.6	29.2	20.3	21.4	40.9	54.9	47.5	36.6	37.8
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)