

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: P939226

Luminaire Tested: **GALN-SB1D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

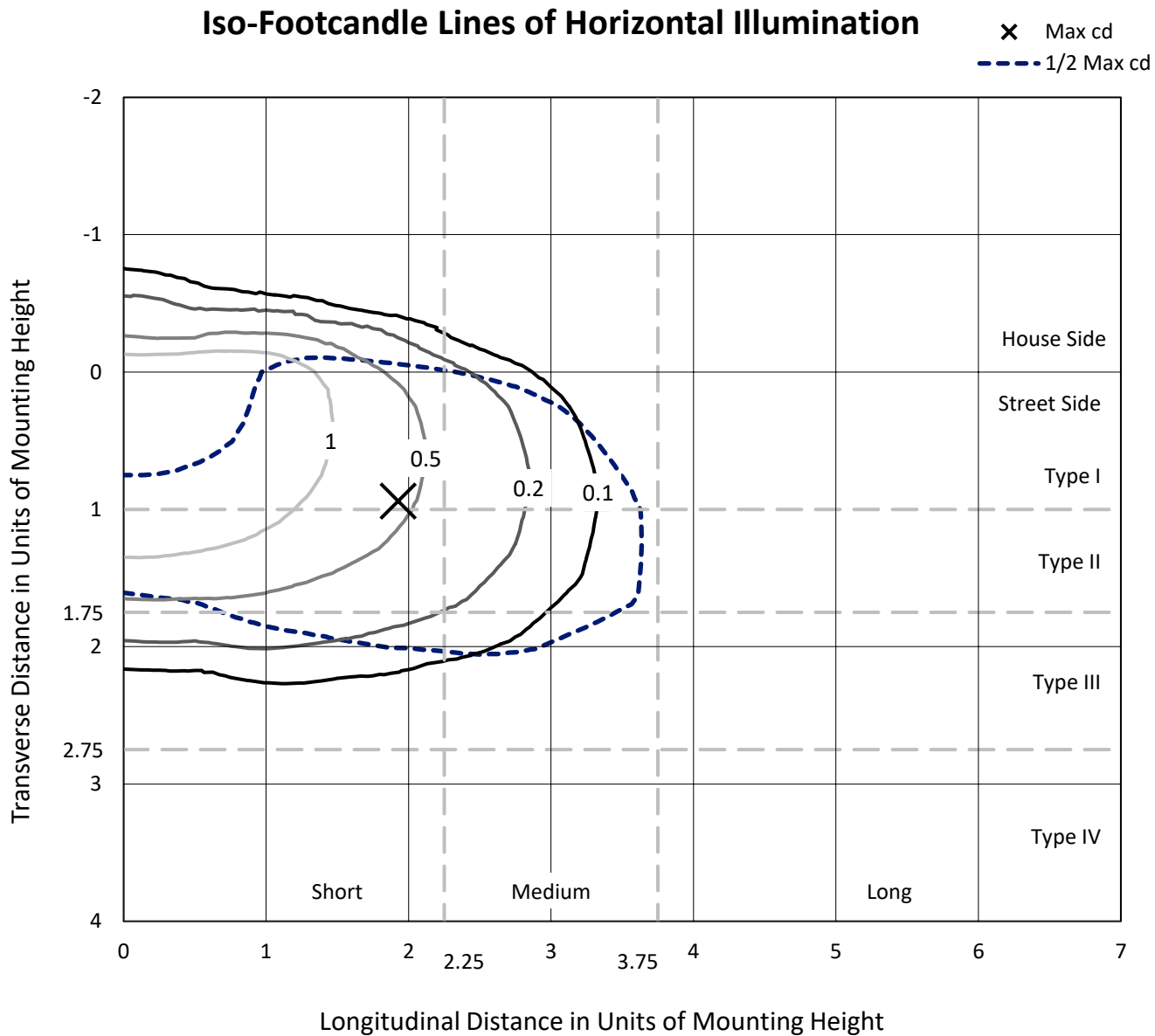
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6595 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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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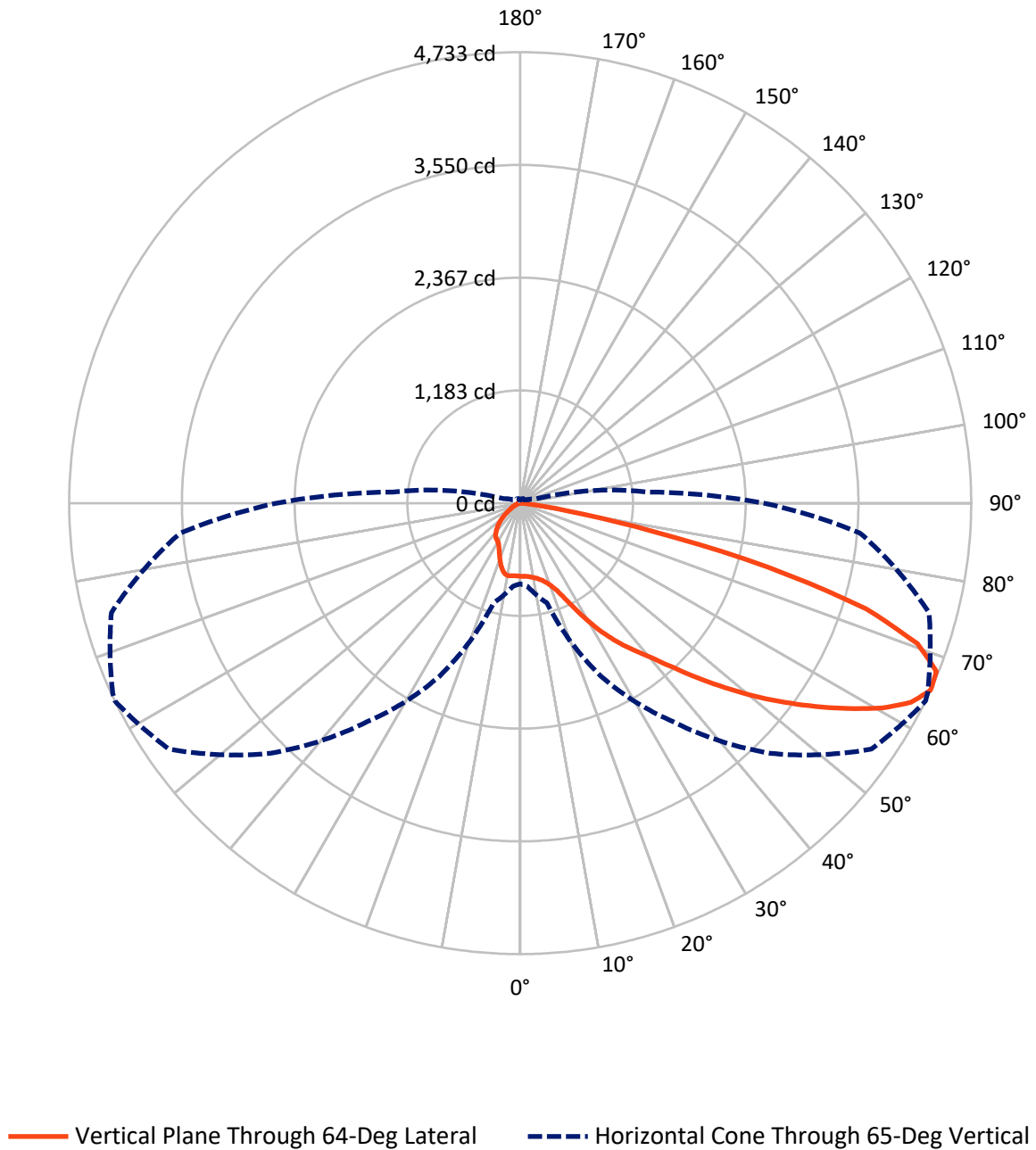


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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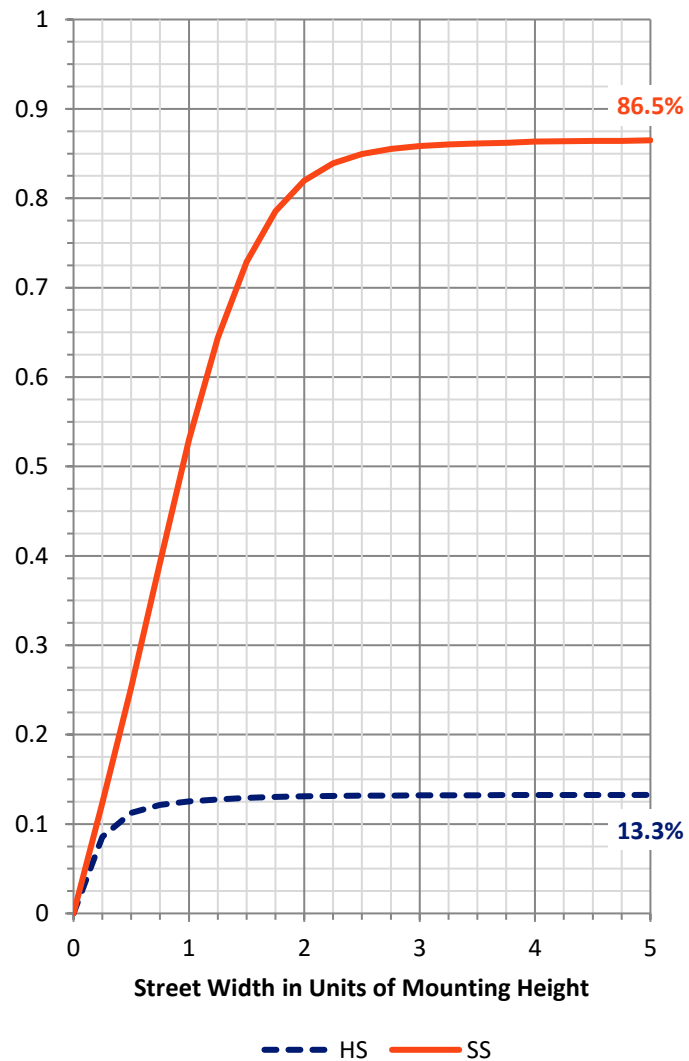
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.0	0.0	882.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5713.0	0.0	5713.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	6595.0	0.0	6595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.1
10°-20°	191.9	2.9
20°-30°	363.7	5.5
30°-40°	736.0	11.2
40°-50°	1253.8	19.0
50°-60°	1705.1	25.9
60°-70°	1601.1	24.3
70°-80°	641.5	9.7
80°-90°	31.1	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°	6595.0	100.0
0°-180°	6595.0	100.0

Coefficient of Utilization



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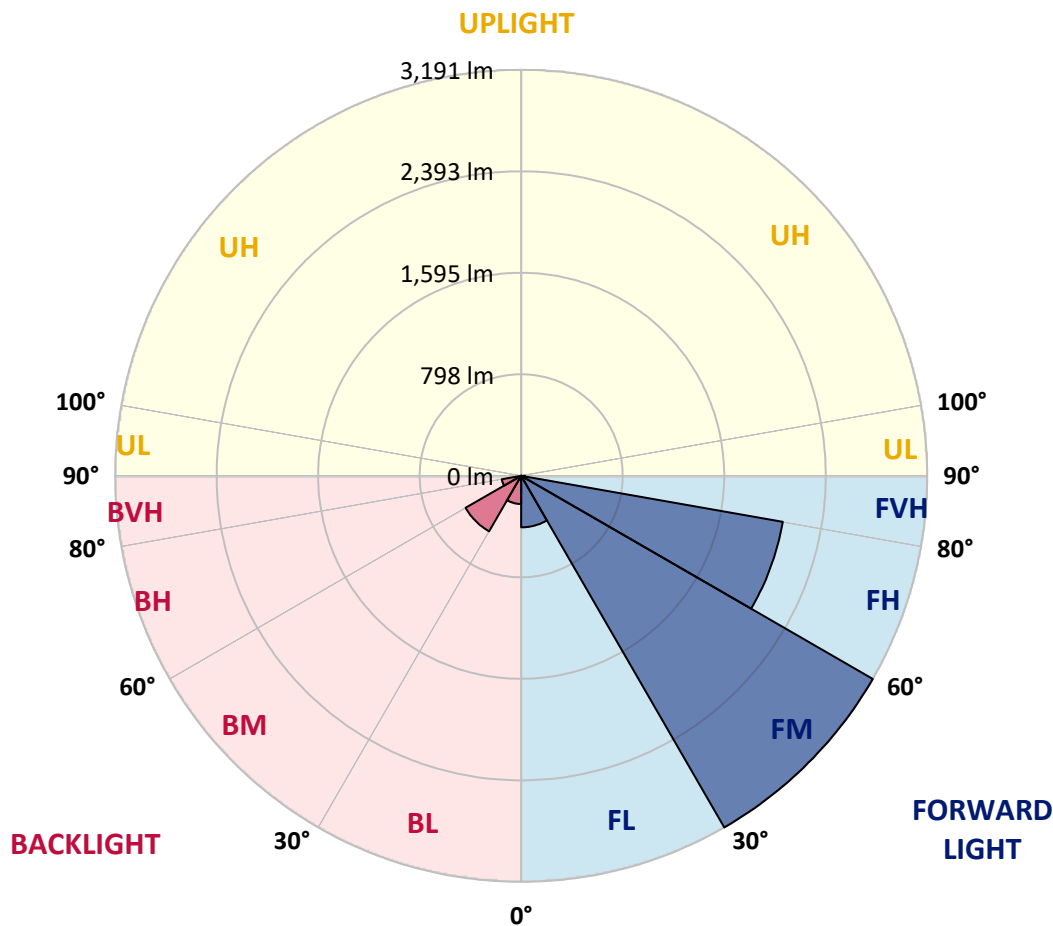
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.0	6.1			
FM	(30°-60°)	3190.7	48.4			
FH	(60°-80°)	2087.8	31.7			G2/5000
FVH	(80°-90°)	29.6	0.4			G1/100
BL	(0°-30°)	221.4	3.4	B1/500		
BM	(30°-60°)	504.2	7.6	B1/1000		
BH	(60°-80°)	154.8	2.3	B1/500		G1/500
BVH	(80°-90°)	1.5	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1
2.5°	764.4	769.7	768.4	767.1	766.6	767.5	768.0	767.5	767.5	767.5	768.0
5°	749.8	754.2	754.2	757.3	761.8	767.1	771.0	771.9	772.8	774.1	773.7
7.5°	722.0	725.5	728.2	738.3	749.4	763.5	775.5	781.7	782.5	787.4	789.2
10°	703.0	707.4	711.8	722.4	738.3	759.6	779.9	794.9	797.1	808.6	813.9
12.5°	702.1	706.5	712.2	723.7	742.3	764.9	789.6	811.3	815.3	832.1	843.1
15°	711.4	716.7	722.0	736.1	756.0	783.4	810.0	836.9	840.9	864.8	876.7
17.5°	730.4	737.4	741.4	755.6	776.8	807.3	842.2	873.2	876.7	904.6	919.6
20°	768.0	776.4	777.7	789.2	810.0	842.7	884.2	922.7	927.1	958.9	975.7
22.5°	845.8	857.7	847.1	852.8	871.4	904.1	949.2	997.9	1004.0	1040.3	1055.3
25°	982.8	999.6	972.2	962.5	970.4	1004.5	1061.1	1122.5	1129.6	1158.8	1166.3
27.5°	1252.1	1230.4	1188.8	1148.2	1124.3	1143.7	1207.4	1283.5	1292.3	1320.6	1311.8
30°	1547.8	1528.8	1472.7	1382.5	1325.9	1322.8	1381.6	1466.5	1476.7	1503.6	1476.7
32.5°	1844.1	1825.9	1764.9	1653.9	1555.8	1507.2	1547.8	1642.0	1647.3	1664.6	1624.8
35°	2135.4	2116.8	2055.8	1942.2	1821.5	1711.0	1703.0	1809.1	1810.9	1829.0	1769.8
37.5°	2428.5	2413.1	2348.1	2236.7	2117.7	1965.2	1891.4	1967.4	1969.6	1987.3	1925.8
40°	2637.6	2644.3	2599.6	2513.4	2411.3	2244.6	2102.7	2135.9	2122.6	2152.2	2115.5
42.5°	2817.1	2830.4	2791.5	2748.2	2688.9	2542.2	2364.4	2358.7	2337.5	2353.4	2315.3
45°	2972.3	2983.4	2948.5	2938.3	2937.0	2833.9	2650.5	2616.0	2586.4	2583.3	2537.7
47.5°	3029.4	3050.6	3065.6	3099.7	3166.0	3122.6	2946.2	2892.7	2859.6	2835.3	2763.2
50°	3051.0	3073.6	3124.9	3223.9	3380.8	3399.4	3240.7	3180.6	3139.9	3095.7	2989.6
52.5°	3021.8	3062.1	3131.0	3297.7	3525.4	3621.4	3523.2	3470.6	3424.2	3352.1	3194.7
55°	2849.9	2890.1	3031.1	3296.8	3597.5	3777.0	3790.2	3766.8	3714.6	3601.0	3360.5
57.5°	2487.3	2547.0	2770.3	3184.5	3596.2	3910.9	4052.0	4068.8	4010.4	3847.7	3490.9
60°	1985.1	2066.0	2338.3	2935.6	3485.2	3983.4	4281.4	4365.4	4303.5	4090.9	3596.6
62.5°	1385.1	1478.9	1736.6	2545.7	3231.4	3931.3	4449.0	4604.2	4557.3	4308.4	3637.3
65°	844.9	874.9	1082.7	2003.2	2799.9	3712.9	4500.7	4733.3	4717.8	4441.5	3577.1
67.5°	562.8	588.0	647.7	1373.6	2173.4	3276.5	4376.9	4710.7	4715.1	4419.8	3357.0
70°	339.1	360.8	399.7	798.9	1408.6	2593.4	3993.6	4423.3	4449.0	4130.2	2939.6
72.5°	139.7	154.3	189.7	362.1	729.5	1646.0	3180.1	3797.8	3857.4	3472.8	2256.1
75°	79.1	86.7	111.4	181.7	316.6	767.1	1926.3	2696.0	2784.0	2393.6	1357.3
77.5°	52.6	56.1	72.1	117.6	178.2	261.7	823.2	1404.6	1572.6	1307.3	587.6
80°	35.4	38.5	49.5	78.7	115.8	112.3	262.2	520.4	640.2	449.2	143.2
82.5°	23.9	24.3	35.4	51.7	73.4	54.4	77.4	161.8	203.4	130.0	54.4
85°	13.7	13.3	26.1	30.1	32.7	22.5	23.4	48.6	63.7	54.8	30.9
87.5°	1.8	2.7	10.2	8.0	4.4	4.9	4.9	8.4	12.4	13.3	6.6
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°	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1
2.5°	768.0	767.5	766.2	764.9	761.8	760.0	760.9	760.0	759.6	760.0	761.8
5°	773.7	772.4	768.8	764.4	758.2	750.7	745.8	738.8	732.1	728.2	729.0
7.5°	789.2	787.8	783.0	770.6	750.7	719.3	690.6	665.4	646.4	635.3	635.8
10°	813.9	811.7	804.2	776.8	724.6	656.1	599.1	551.8	520.8	506.2	504.9
12.5°	843.1	840.5	827.2	771.0	675.1	568.1	489.4	436.8	408.1	395.2	393.9
15°	877.6	874.1	848.0	743.6	603.0	470.9	398.8	359.4	340.9	329.4	329.8
17.5°	920.5	914.3	863.4	702.5	524.8	396.6	343.1	313.5	297.1	286.0	285.2
20°	976.2	966.0	875.8	653.4	452.7	349.7	305.5	280.7	268.4	258.6	256.9
22.5°	1054.0	1039.4	890.9	600.4	401.9	317.4	277.6	259.5	249.4	238.3	236.5
25°	1150.4	1133.1	909.4	551.3	367.0	289.6	257.3	242.3	230.3	217.5	216.2
27.5°	1285.2	1254.3	931.5	511.1	336.9	265.7	238.7	221.9	208.2	197.6	195.4
30°	1435.5	1384.7	951.0	486.8	309.5	243.6	214.4	197.6	184.8	177.3	176.0
32.5°	1577.9	1508.9	963.8	476.2	284.7	218.4	187.9	169.8	160.0	157.8	159.2
35°	1712.3	1621.2	962.5	466.0	262.6	193.2	161.8	143.2	135.7	137.1	137.1
37.5°	1867.0	1741.0	953.2	450.1	244.5	170.2	139.3	122.9	116.3	116.7	118.5
40°	2047.0	1879.4	947.4	420.0	224.6	149.0	120.7	107.4	102.6	100.8	100.4
42.5°	2238.9	2013.4	948.3	386.0	199.8	130.0	107.9	96.8	92.4	91.1	90.6
45°	2431.6	2141.2	949.7	350.6	173.8	115.4	98.6	89.3	86.7	84.9	84.9
47.5°	2612.9	2249.9	924.9	312.6	148.1	104.3	91.1	84.9	82.7	80.5	80.5
50°	2781.8	2322.4	865.2	268.4	127.8	95.5	85.3	80.9	78.7	76.5	76.5
52.5°	2913.1	2333.9	766.6	222.8	113.6	88.9	81.8	77.8	75.2	72.9	72.5
55°	2971.4	2261.9	626.5	180.4	102.6	83.1	78.3	74.3	71.2	69.0	68.5
57.5°	2956.4	2110.2	488.5	145.0	92.0	77.4	73.8	71.2	67.6	64.1	63.7
60°	2882.6	1907.3	368.3	120.7	82.2	71.2	69.0	66.8	61.9	56.6	55.7
62.5°	2754.8	1652.2	262.6	99.9	71.6	64.1	63.2	61.5	54.4	44.7	43.8
65°	2559.4	1342.3	176.8	83.1	61.5	56.1	56.6	53.5	44.2	33.2	32.3
67.5°	2273.8	981.5	113.2	68.1	51.3	46.9	47.3	45.5	37.6	28.3	27.0
70°	1909.9	649.9	73.8	51.7	41.1	36.3	38.9	39.3	31.8	23.0	22.1
72.5°	1400.2	383.8	51.7	38.5	30.1	25.2	31.8	32.7	25.6	17.2	16.4
75°	798.0	182.2	38.9	27.9	18.6	17.7	24.8	24.8	17.7	11.5	10.6
77.5°	335.1	76.0	27.4	18.1	10.6	10.2	16.8	15.5	8.8	5.3	5.3
80°	96.8	34.0	14.6	8.8	4.4	4.0	6.6	4.9	2.2	0.9	0.9
82.5°	38.0	15.0	5.7	3.5	1.8	1.8	0.9	0.0	0.0	0.0	0.0
85°	22.5	6.2	2.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	1.3	0.9	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)