

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: P941946

Luminaire Tested: **GALN-SB5D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941946
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-SB5D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33303 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 364.9
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



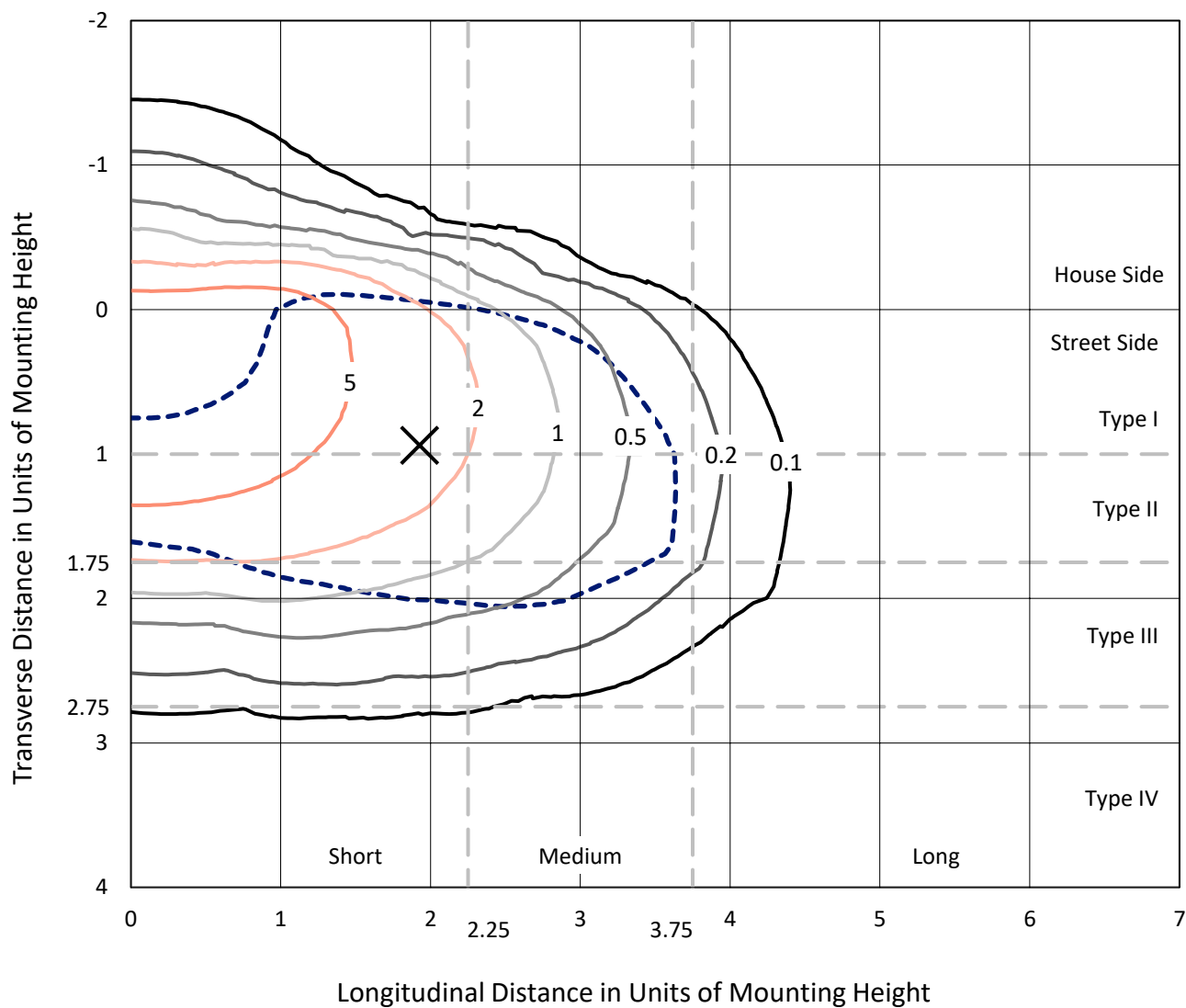
REPORT NUMBER: P941946

CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

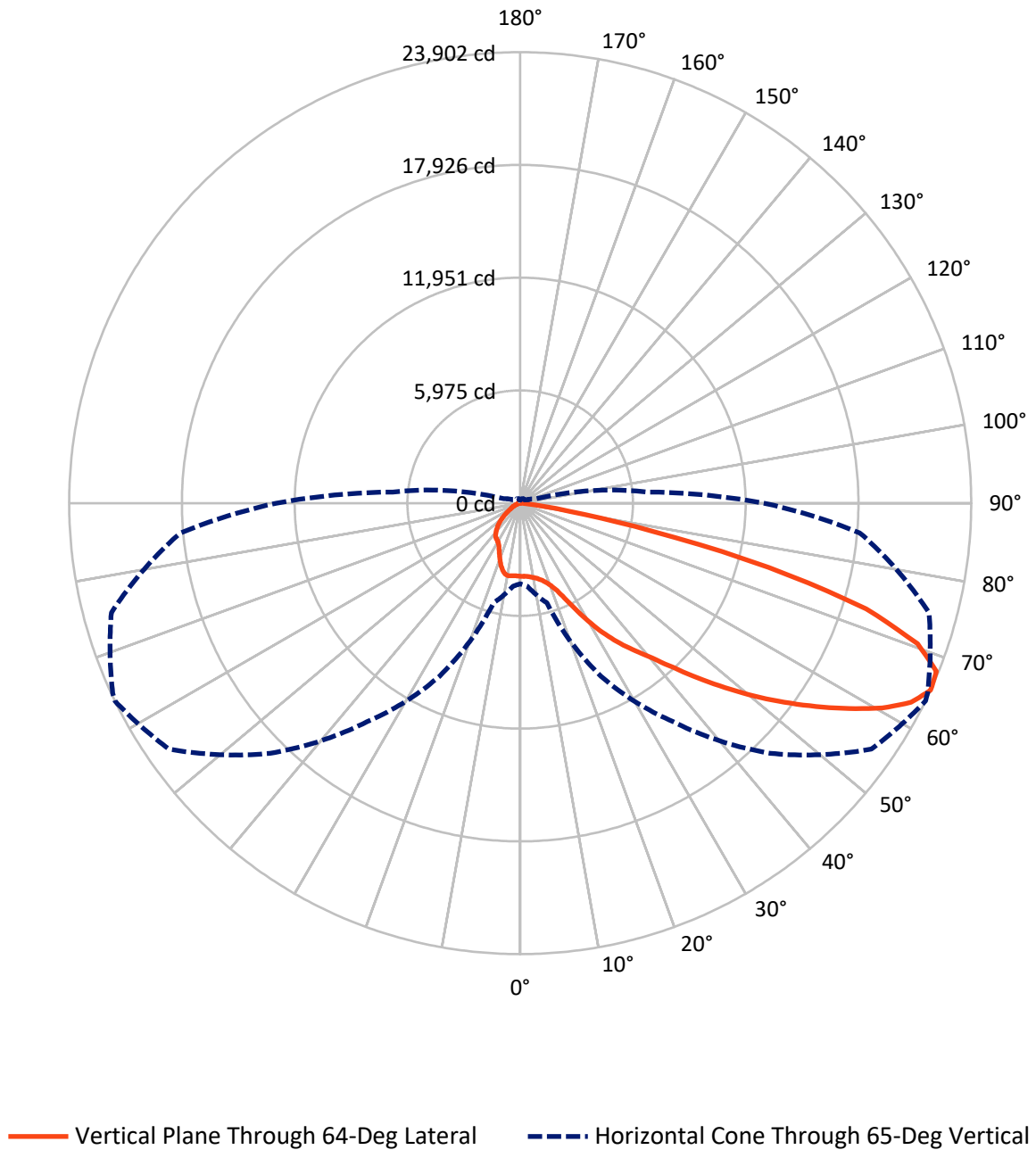


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

REPORT NUMBER: P941946

CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P941946

CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

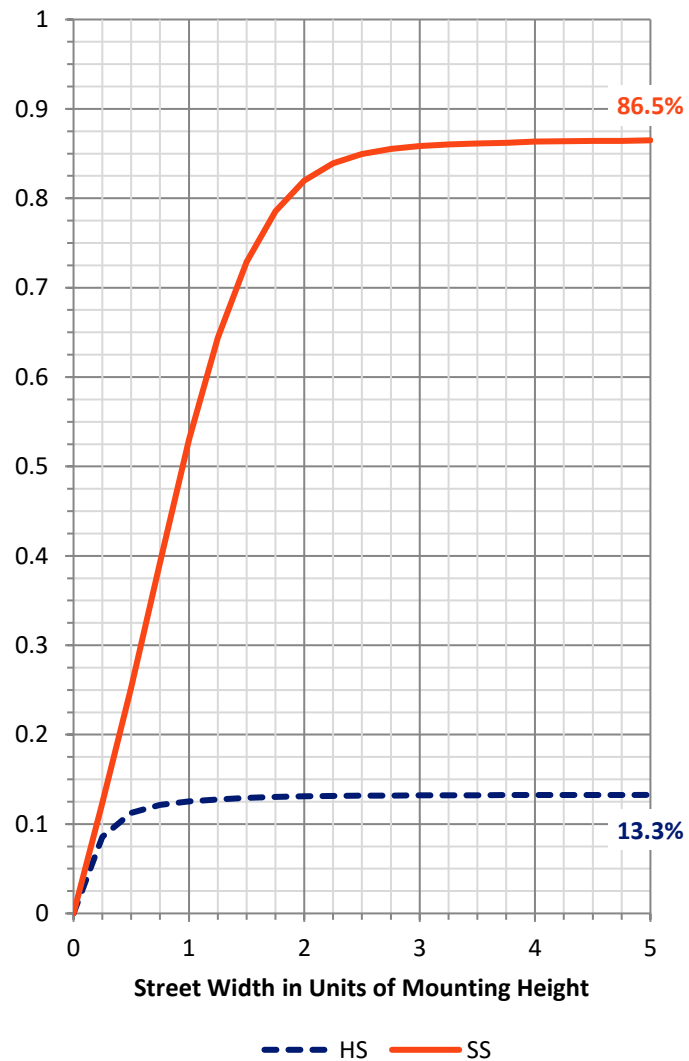
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4453.6	0.0	4453.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28849.4	0.0	28849.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	33303.0	0.0	33303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	1.1
10°-20°	969.3	2.9
20°-30°	1836.7	5.5
30°-40°	3716.6	11.2
40°-50°	6331.3	19.0
50°-60°	8610.1	25.9
60°-70°	8085.3	24.3
70°-80°	3239.3	9.7
80°-90°	156.9	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°	33303.0	100.0
0°-180°	33303.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941946

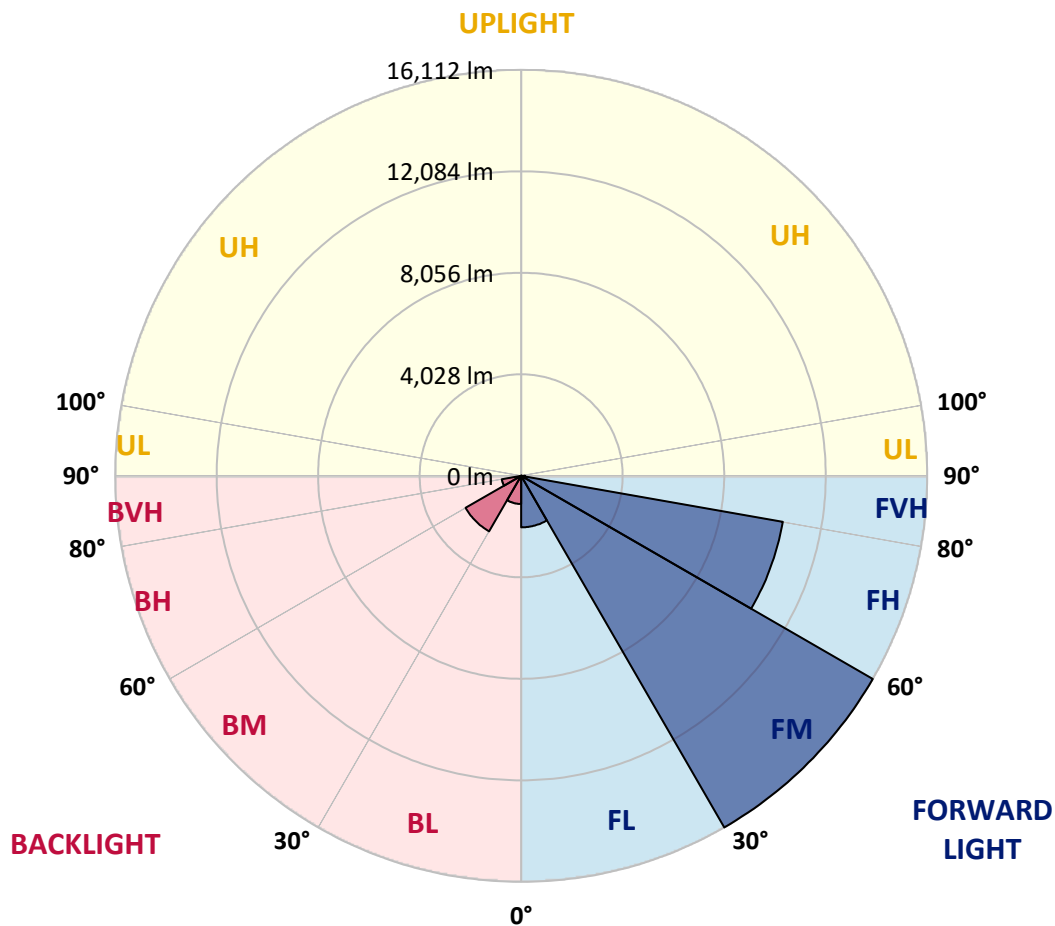
CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2045.2	6.1			
FM	(30°-60°)	16112.0	48.4			
FH	(60°-80°)	10543.0	31.7			G4/12000
FVH	(80°-90°)	149.3	0.4			G2/225
BL	(0°-30°)	1118.2	3.4	B3/2500		
BM	(30°-60°)	2546.1	7.6	B3/5000		
BH	(60°-80°)	781.7	2.3	B2/1000		G2/1000
BVH	(80°-90°)	7.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



REPORT NUMBER: P941946

CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5
2.5°	3860.1	3886.9	3880.2	3873.5	3871.3	3875.7	3877.9	3875.7	3875.7	3875.7	3877.9
5°	3786.4	3808.7	3808.7	3824.4	3846.7	3873.5	3893.6	3898.0	3902.5	3909.2	3907.0
7.5°	3645.8	3663.6	3677.0	3728.4	3784.2	3855.6	3915.9	3947.2	3951.6	3976.2	3985.1
10°	3549.8	3572.1	3594.4	3648.0	3728.4	3835.5	3938.2	4014.1	4025.3	4083.3	4110.1
12.5°	3545.3	3567.6	3596.6	3654.7	3748.5	3862.3	3987.3	4096.7	4116.8	4201.7	4257.5
15°	3592.2	3619.0	3645.8	3717.2	3817.7	3956.1	4090.0	4226.2	4246.3	4366.9	4427.2
17.5°	3688.2	3723.9	3744.0	3815.4	3922.6	4076.6	4253.0	4409.3	4427.2	4567.8	4643.7
20°	3877.9	3920.4	3927.1	3985.1	4090.0	4255.3	4465.1	4659.3	4681.7	4842.4	4927.3
22.5°	4270.9	4331.2	4277.6	4306.6	4400.4	4565.6	4793.3	5038.9	5070.1	5253.2	5329.1
25°	4963.0	5047.8	4909.4	4860.3	4900.5	5072.4	5358.1	5668.5	5704.2	5851.5	5889.5
27.5°	6322.6	6213.2	6003.3	5797.9	5677.4	5775.6	6097.1	6481.1	6525.8	6668.6	6624.0
30°	7816.2	7720.2	7436.6	6981.2	6695.4	6679.8	6976.7	7405.4	7456.7	7592.9	7456.7
32.5°	9312.0	9220.5	8912.4	8352.0	7856.4	7610.8	7816.2	8291.7	8318.5	8405.6	8204.6
35°	10783.2	10689.5	10381.4	9807.6	9198.1	8640.0	8599.8	9135.6	9144.5	9236.1	8936.9
37.5°	12263.4	12185.3	11857.1	11294.5	10693.9	9923.7	9550.9	9934.9	9946.0	10035.3	9725.0
40°	13319.4	13352.9	13127.4	12692.1	12176.4	11334.7	10618.0	10785.5	10718.5	10868.1	10682.8
42.5°	14225.8	14292.8	14096.4	13877.6	13578.4	12837.2	11939.7	11910.7	11803.5	11883.9	11691.9
45°	15009.5	15065.3	14888.9	14837.6	14830.9	14310.7	13384.2	13210.0	13060.5	13044.8	12814.9
47.5°	15297.5	15404.6	15480.5	15652.5	15987.3	15768.5	14877.8	14607.6	14440.2	14317.4	13953.5
50°	15406.9	15520.7	15779.7	16279.8	17072.4	17166.1	16364.6	16061.0	15855.6	15632.4	15096.5
52.5°	15259.5	15462.7	15811.0	16652.6	17802.4	18286.9	17791.2	17525.6	17291.1	16927.2	16132.4
55°	14391.1	14594.2	15306.4	16648.2	18166.3	19072.7	19139.7	19021.4	18757.9	18184.2	16969.7
57.5°	12560.4	12861.8	13989.2	16081.1	18159.6	19749.2	20461.4	20546.2	20251.5	19429.9	17628.3
60°	10024.2	10432.7	11808.0	14824.2	17599.2	20115.3	21620.1	22044.3	21731.7	20657.8	18161.8
62.5°	6994.6	7467.9	8769.5	12855.1	16317.8	19851.9	22466.2	23249.8	23013.2	21756.3	18367.2
65°	4266.4	4418.2	5467.5	10115.7	14138.8	18749.0	22727.4	23901.7	23823.6	22428.3	18063.6
67.5°	2842.0	2969.3	3270.7	6936.6	10975.2	16545.5	22102.3	23787.9	23810.2	22318.9	16951.8
70°	1712.4	1821.8	2018.2	4034.2	7112.9	13096.2	20166.7	22336.7	22466.2	20856.5	14844.3
72.5°	705.5	779.2	957.8	1828.5	3683.7	8311.8	16058.8	19177.7	19479.1	17536.7	11392.7
75°	399.6	437.6	562.6	917.6	1598.5	3873.5	9727.2	13614.1	14058.4	12087.1	6853.9
77.5°	265.7	283.5	363.9	593.9	899.7	1321.7	4157.0	7092.8	7941.2	6601.7	2967.1
80°	178.6	194.2	250.0	397.4	584.9	567.1	1323.9	2627.7	3232.7	2268.3	723.3
82.5°	120.6	122.8	178.6	261.2	370.6	274.6	390.7	817.1	1027.0	656.4	274.6
85°	69.2	67.0	131.7	151.8	165.2	113.9	118.3	245.6	321.5	276.8	156.3
87.5°	8.9	13.4	51.3	40.2	22.3	24.6	24.6	42.4	62.5	67.0	33.5
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: P941946

CATALOG NUMBER: GALN-SB5D-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5	3873.5
2.5°	3877.9	3875.7	3869.0	3862.3	3846.7	3837.8	3842.2	3837.8	3835.5	3837.8	3846.7
5°	3907.0	3900.3	3882.4	3860.1	3828.8	3790.9	3766.3	3730.6	3697.1	3677.0	3681.5
7.5°	3985.1	3978.4	3953.9	3891.3	3790.9	3632.4	3487.3	3360.0	3264.0	3208.2	3210.4
10°	4110.1	4099.0	4061.0	3922.6	3659.2	3313.1	3025.1	2786.2	2630.0	2556.3	2549.6
12.5°	4257.5	4244.1	4177.1	3893.6	3409.1	2868.8	2471.4	2205.8	2060.6	1995.9	1989.2
15°	4431.6	4413.8	4282.0	3755.2	3045.2	2377.7	2013.8	1815.1	1721.3	1663.3	1665.5
17.5°	4648.2	4616.9	4360.2	3547.5	2650.0	2002.6	1732.5	1582.9	1500.3	1444.5	1440.0
20°	4929.5	4878.1	4422.7	3299.7	2286.1	1766.0	1542.7	1417.7	1355.2	1306.0	1297.1
22.5°	5322.4	5248.7	4498.6	3031.8	2029.4	1603.0	1402.0	1310.5	1259.2	1203.3	1194.4
25°	5809.1	5722.0	4592.4	2784.0	1853.0	1462.3	1299.3	1223.4	1163.2	1098.4	1091.7
27.5°	6490.0	6333.8	4704.0	2580.8	1701.2	1341.8	1205.6	1120.7	1051.5	998.0	986.8
30°	7249.1	6992.4	4802.2	2458.0	1562.8	1230.1	1082.8	998.0	933.2	895.3	888.6
32.5°	7968.0	7619.7	4867.0	2404.5	1437.8	1102.9	948.8	857.3	808.2	797.0	803.7
35°	8646.7	8186.8	4860.3	2353.1	1326.1	975.6	817.1	723.3	685.4	692.1	692.1
37.5°	9428.1	8791.8	4813.4	2272.7	1234.6	859.5	703.3	620.7	587.2	589.4	598.3
40°	10336.7	9490.6	4784.4	2120.9	1134.1	752.4	609.5	542.5	518.0	509.0	506.8
42.5°	11305.7	10167.1	4788.8	1949.0	1009.1	656.4	544.7	488.9	466.6	459.9	457.7
45°	12279.1	10812.3	4795.5	1770.4	877.4	582.7	497.9	451.0	437.6	428.7	428.7
47.5°	13194.4	11361.5	4670.5	1578.4	747.9	526.9	459.9	428.7	417.5	406.3	406.3
50°	14047.2	11727.6	4369.1	1355.2	645.2	482.2	430.9	408.6	397.4	386.2	386.2
52.5°	14710.3	11785.7	3871.3	1125.2	573.8	448.7	413.0	392.9	379.5	368.4	366.1
55°	15005.0	11421.8	3163.5	910.9	518.0	419.7	395.2	375.1	359.4	348.3	346.0
57.5°	14929.1	10656.0	2467.0	732.3	464.4	390.7	372.8	359.4	341.6	323.7	321.5
60°	14556.3	9631.2	1859.7	609.5	415.3	359.4	348.3	337.1	312.6	285.8	281.3
62.5°	13911.1	8343.1	1326.1	504.6	361.7	323.7	319.3	310.3	274.6	225.5	221.0
65°	12924.3	6778.0	893.0	419.7	310.3	283.5	285.8	270.1	223.3	167.4	163.0
67.5°	11482.0	4956.3	571.5	343.8	259.0	236.7	238.9	230.0	189.8	142.9	136.2
70°	9644.6	3281.9	372.8	261.2	207.6	183.1	196.5	198.7	160.7	116.1	111.6
72.5°	7070.5	1937.9	261.2	194.2	151.8	127.3	160.7	165.2	129.5	87.1	82.6
75°	4029.8	919.8	196.5	140.7	93.8	89.3	125.0	125.0	89.3	58.0	53.6
77.5°	1692.3	384.0	138.4	91.5	53.6	51.3	84.8	78.1	44.7	26.8	26.8
80°	488.9	171.9	73.7	44.7	22.3	20.1	33.5	24.6	11.2	4.5	4.5
82.5°	192.0	75.9	29.0	17.9	8.9	8.9	4.5	0.0	0.0	0.0	0.0
85°	113.9	31.3	13.4	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.0	6.7	4.5	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)