

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: P942282

Luminaire Tested: **GALN-SB6B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27962 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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

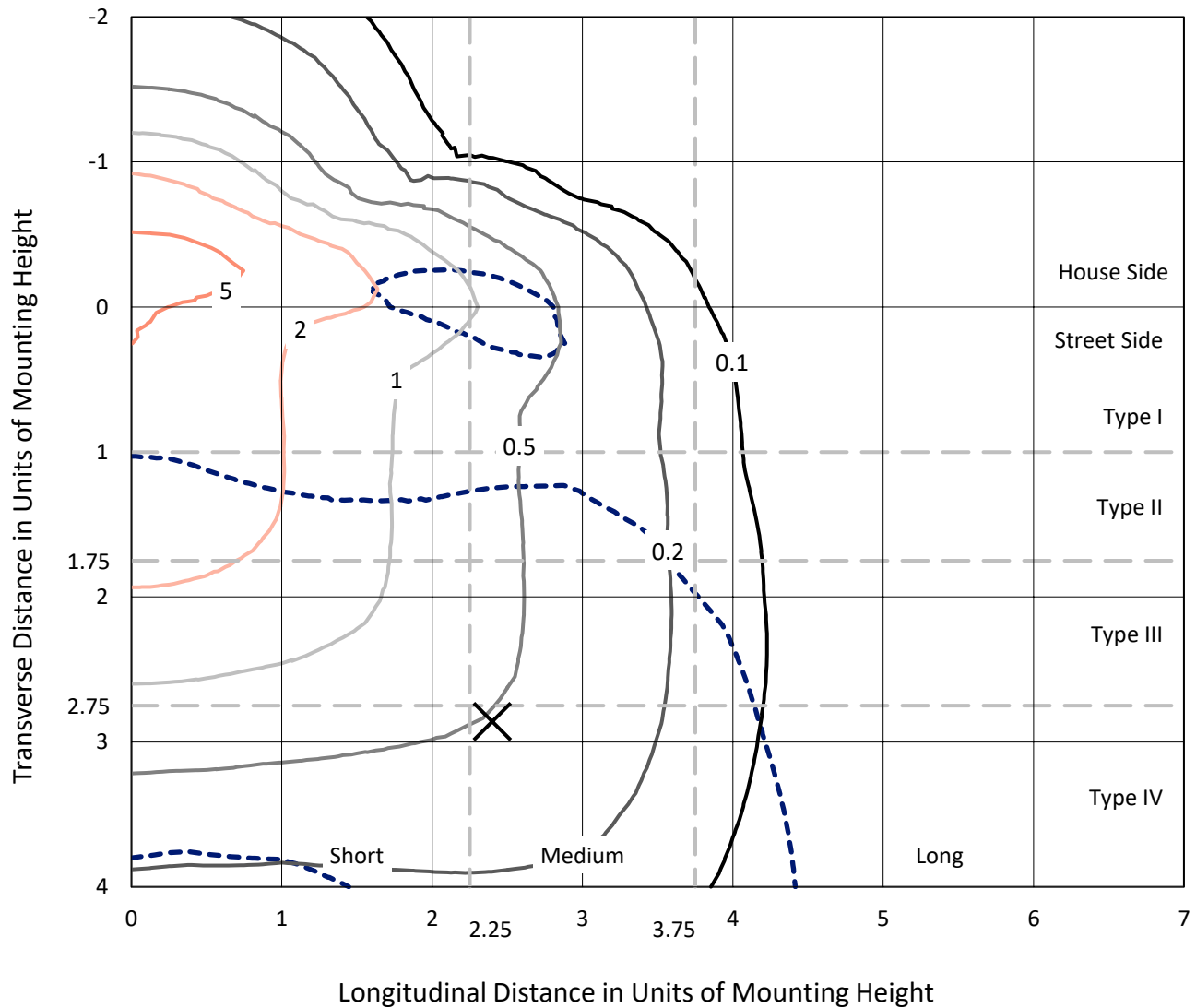


REPORT NUMBER: P942282

CATALOG NUMBER: GALN-SB6B-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

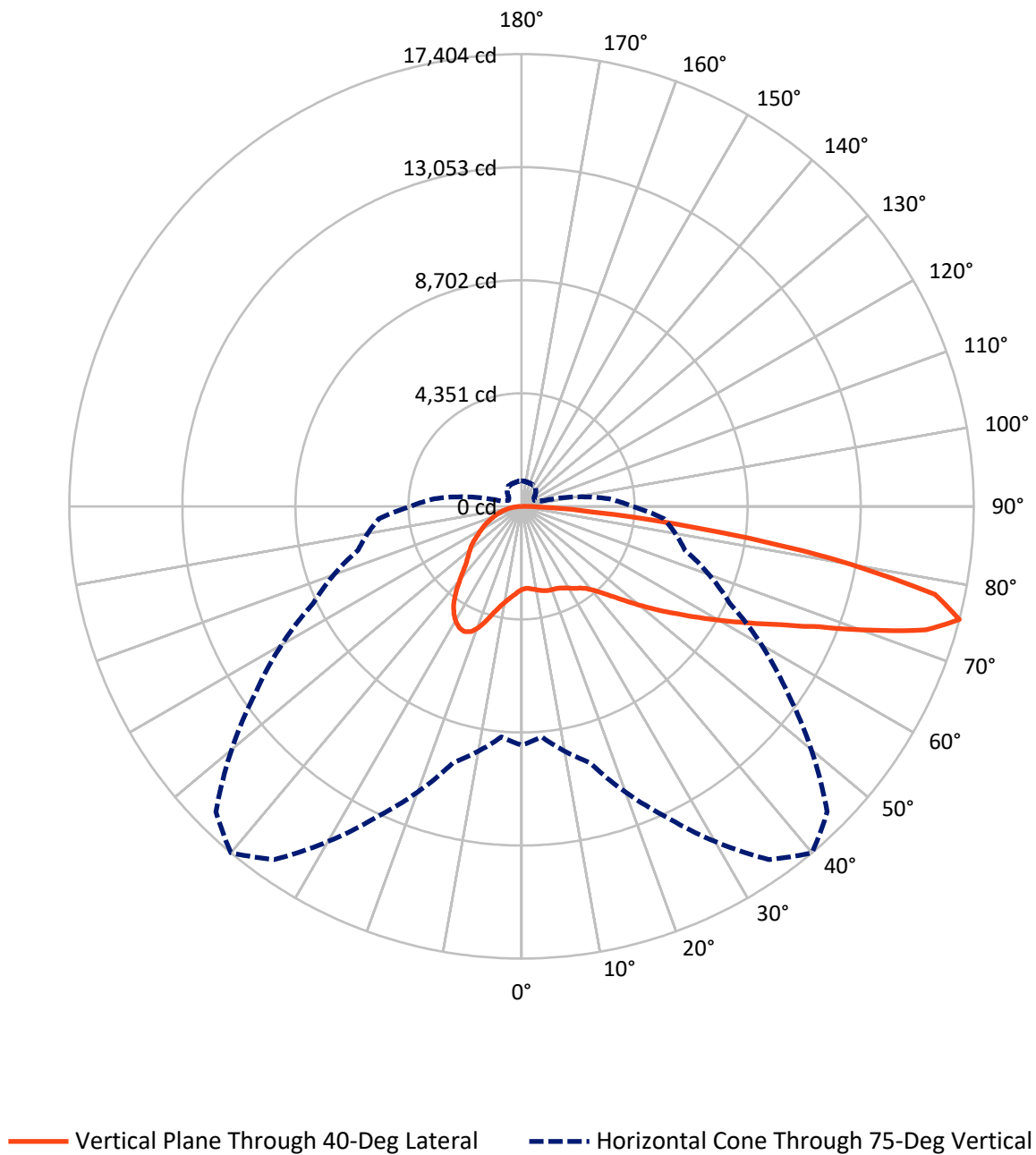


Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Medium - N/A

REPORT NUMBER: P942282

CATALOG NUMBER: GALN-SB6B-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P942282

CATALOG NUMBER: GALN-SB6B-722-U-SL4

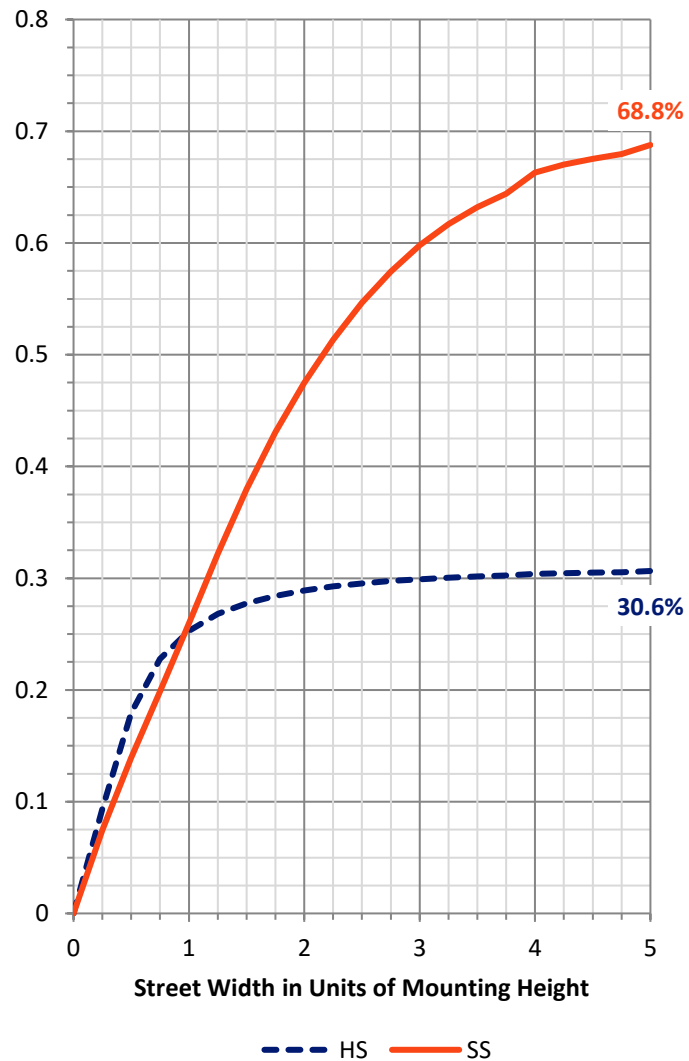
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8663.6	0.0	8663.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19298.4	0.0	19298.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	27962.0	0.0	27962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.2	1.1
10°-20°	1071.6	3.8
20°-30°	1956.7	7.0
30°-40°	2775.1	9.9
40°-50°	3747.2	13.4
50°-60°	5041.0	18.0
60°-70°	6398.2	22.9
70°-80°	5806.7	20.8
80°-90°	846.4	3.0
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°	27962.0	100.0
0°-180°	27962.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942282

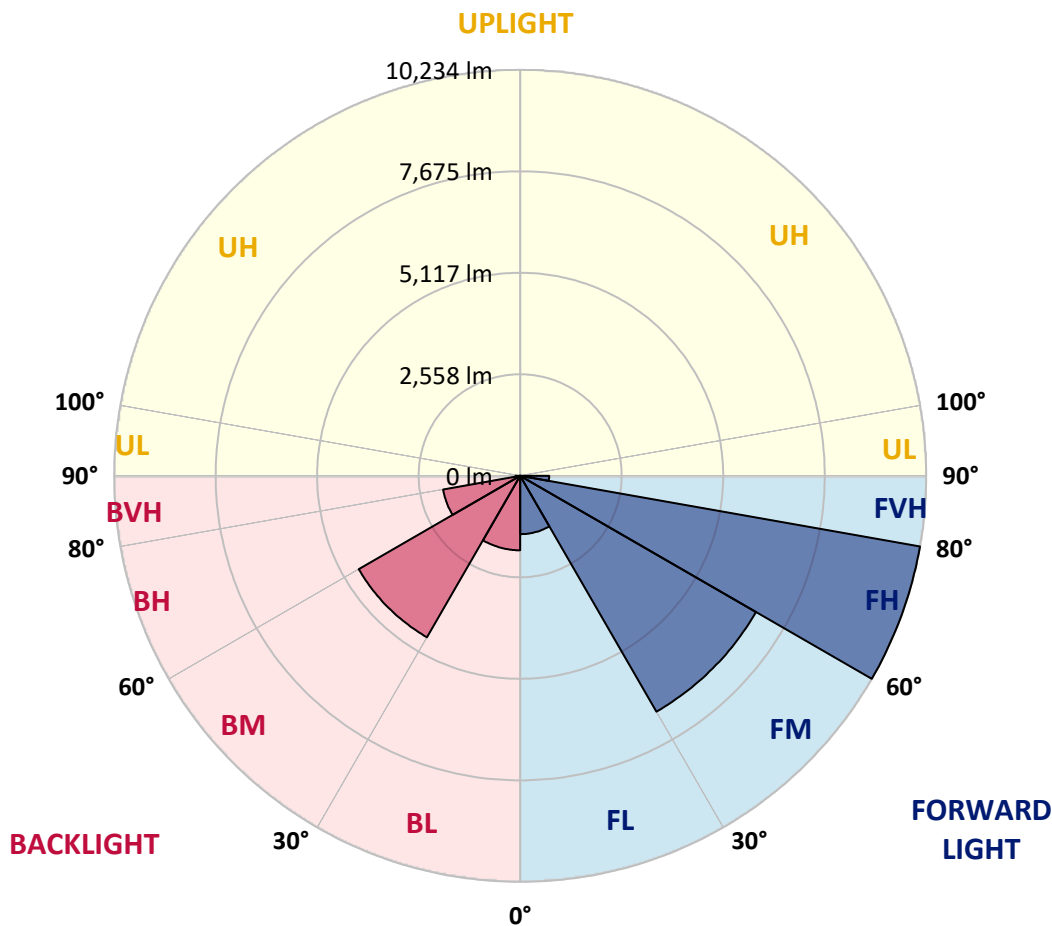
CATALOG NUMBER: GALN-SB6B-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1470.8	5.3			
FM	(30°-60°)	6864.0	24.5			
FH	(60°-80°)	10233.7	36.6			G4/12000
FVH	(80°-90°)	729.9	2.6			G4/750
BL	(0°-30°)	1876.6	6.7	B3/2500		
BM	(30°-60°)	4699.2	16.8	B3/5000		
BH	(60°-80°)	1971.2	7.0	B3/2500		G3/2500
BVH	(80°-90°)	116.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



REPORT NUMBER: P942282

CATALOG NUMBER: GALN-SB6B-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5
2.5°	3148.6	3166.3	3161.9	3156.0	3156.0	3157.4	3156.0	3166.3	3176.7	3187.1	3203.4
5°	3181.2	3199.0	3190.1	3182.7	3176.7	3175.2	3170.8	3169.3	3175.2	3188.6	3210.8
7.5°	3245.0	3262.7	3249.4	3236.1	3224.2	3218.3	3212.3	3203.4	3199.0	3206.4	3237.5
10°	3316.1	3333.9	3317.6	3293.9	3274.6	3267.2	3261.3	3252.4	3246.4	3250.9	3285.0
12.5°	3387.3	3405.1	3382.9	3350.2	3325.0	3320.6	3313.2	3310.2	3308.7	3307.2	3341.3
15°	3454.1	3468.9	3440.7	3402.2	3375.5	3368.0	3360.6	3365.1	3372.5	3381.4	3420.0
17.5°	3506.0	3520.8	3479.3	3428.9	3403.6	3400.7	3396.2	3411.1	3431.8	3454.1	3501.5
20°	3553.4	3568.3	3514.9	3446.6	3417.0	3417.0	3418.5	3449.6	3479.3	3511.9	3577.2
22.5°	3620.2	3632.0	3566.8	3473.3	3430.3	3433.3	3445.2	3476.3	3513.4	3557.9	3648.3
25°	3719.5	3728.4	3648.3	3523.8	3474.8	3483.7	3494.1	3508.9	3544.5	3596.4	3718.0
27.5°	3879.7	3887.1	3781.8	3612.8	3538.6	3553.4	3568.3	3557.9	3574.2	3618.7	3774.4
30°	4105.1	4109.6	3976.1	3752.2	3646.9	3654.3	3657.2	3614.2	3583.1	3618.7	3814.4
32.5°	4372.1	4370.6	4211.9	3921.2	3770.0	3762.5	3737.3	3652.8	3580.1	3611.3	3850.0
35°	4785.9	4769.5	4564.9	4158.5	3909.4	3863.4	3804.1	3695.8	3595.0	3603.9	3881.2
37.5°	5471.0	5420.6	5137.3	4547.1	4117.0	3999.8	3912.3	3765.5	3627.6	3600.9	3918.3
40°	6243.7	6179.9	5868.5	5079.5	4428.4	4240.1	4099.2	3864.9	3681.0	3614.2	3973.1
42.5°	7160.2	7069.8	6734.6	5706.8	4822.9	4550.0	4338.0	3990.9	3759.6	3657.2	4047.3
45°	8285.9	8165.8	7691.2	6414.3	5319.8	4956.4	4673.1	4182.2	3879.7	3740.3	4158.5
47.5°	9423.4	9453.1	8778.3	7224.0	5916.0	5457.7	5092.9	4470.0	4054.7	3873.8	4338.0
50°	10632.1	10652.9	9859.4	8121.3	6592.2	6024.2	5564.5	4791.8	4297.9	4063.6	4606.4
52.5°	11575.3	11578.3	10841.2	9060.1	7296.7	6647.1	6073.2	5159.6	4579.7	4315.7	4963.8
55°	12165.6	12158.2	11529.4	9948.4	8106.4	7301.1	6636.7	5577.8	4923.8	4612.3	5413.2
57.5°	12594.2	12572.0	12003.9	10712.2	8969.6	8073.8	7274.4	6052.4	5330.1	4965.3	6004.9
60°	12757.3	12744.0	12325.8	11372.2	9877.2	8928.1	8010.0	6583.3	5791.4	5382.0	6765.8
62.5°	12819.6	12844.8	12641.7	12011.4	10848.6	9874.3	8818.3	7218.1	6310.4	5853.7	7568.1
65°	13039.1	13085.1	13043.6	12847.8	11946.1	10982.1	9890.6	7973.0	6877.0	6359.4	8406.0
67.5°	13473.7	13519.6	13537.4	13848.9	13286.8	12362.8	11228.3	8913.2	7539.9	6884.4	9036.3
70°	13463.3	13449.9	13764.3	14645.3	14965.6	14274.5	13031.7	10070.0	8330.4	7320.4	9116.4
72.5°	12254.6	12147.8	12890.8	14636.4	16362.7	16270.7	15234.1	11562.0	9012.6	7373.8	7910.7
75°	9193.5	8908.8	10221.3	13190.4	16595.5	17403.8	16634.1	12487.4	8850.9	6515.1	5505.1
77.5°	3931.6	3645.4	5192.2	9764.5	14852.9	16269.2	15349.7	10894.6	7065.3	4308.3	2703.6
80°	1029.2	1027.8	1569.1	4427.0	10101.2	12014.3	10540.2	7035.7	4036.9	1539.4	746.0
82.5°	425.6	415.3	576.9	1721.8	4935.6	6742.0	5502.2	3138.2	1457.9	416.7	247.7
85°	158.7	157.2	280.3	594.7	1741.1	2780.8	2012.5	802.3	363.4	203.2	111.2
87.5°	44.5	43.0	60.8	206.1	424.2	643.7	344.1	132.0	102.3	80.1	32.6
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: P942282

CATALOG NUMBER: GALN-SB6B-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5	3197.5
2.5°	3207.9	3215.3	3228.6	3239.0	3252.4	3267.2	3288.0	3301.3	3314.7	3323.6	3317.6
5°	3221.2	3237.5	3271.6	3305.8	3345.8	3382.9	3425.9	3457.0	3482.2	3489.7	3492.6
7.5°	3250.9	3277.6	3335.4	3393.3	3457.0	3517.8	3580.1	3633.5	3676.5	3692.8	3694.3
10°	3302.8	3338.4	3420.0	3501.5	3586.1	3679.5	3759.6	3836.7	3897.5	3922.7	3924.2
12.5°	3368.0	3412.5	3519.3	3632.0	3749.2	3878.2	3982.0	4077.0	4152.6	4186.7	4186.7
15°	3452.6	3510.4	3646.9	3798.1	3970.2	4149.6	4281.6	4386.9	4471.4	4513.0	4510.0
17.5°	3544.5	3621.6	3793.7	4022.1	4268.3	4504.1	4658.3	4735.4	4822.9	4863.0	4861.5
20°	3633.5	3728.4	3974.6	4306.8	4634.6	4885.2	5009.8	5030.6	5036.5	5040.9	5052.8
22.5°	3725.5	3853.0	4201.5	4665.7	5017.2	5190.7	5208.5	5119.5	4995.0	4937.1	4953.4
25°	3826.3	3995.4	4498.1	5061.7	5346.5	5367.2	5230.8	5014.2	4778.4	4670.2	4686.5
27.5°	3924.2	4160.0	4854.1	5439.9	5583.7	5401.3	5107.7	4800.7	4515.9	4401.7	4415.1
30°	4022.1	4348.4	5247.1	5770.6	5692.0	5316.8	4913.4	4570.8	4284.6	4164.5	4177.8
32.5°	4121.4	4567.8	5699.4	6009.4	5672.7	5137.3	4671.7	4312.8	4060.6	3934.6	3950.9
35°	4234.2	4837.8	6128.0	6139.9	5543.7	4873.4	4352.8	4004.3	3784.8	3683.9	3706.2
37.5°	4381.0	5180.4	6506.2	6172.5	5318.3	4486.3	3956.8	3639.4	3458.5	3412.5	3445.2
40°	4563.4	5592.6	6795.4	6120.6	4984.6	4016.1	3523.8	3270.2	3167.8	3178.2	3213.8
42.5°	4800.7	6053.9	6998.6	5987.1	4520.4	3531.2	3144.1	3031.4	3080.3	3121.9	3160.4
45°	5109.2	6532.9	7124.7	5760.2	3995.4	3120.4	2920.2	2946.9	2983.9	2988.4	3018.0
47.5°	5503.7	7017.9	7207.7	5417.6	3460.0	2831.2	2777.8	2783.7	2776.3	2745.2	2768.9
50°	5996.0	7489.5	7281.9	4963.8	3004.7	2650.2	2579.1	2558.3	2456.0	2355.1	2368.5
52.5°	6556.6	7922.5	7313.0	4400.3	2650.2	2499.0	2383.3	2252.8	2061.5	2030.3	2040.7
55°	7179.5	8323.0	7232.9	3707.7	2352.1	2304.7	2129.7	1972.5	1951.7	1925.0	1929.5
57.5°	7924.0	8754.5	7069.8	2935.0	2046.6	2077.8	1907.2	1925.0	1887.9	1846.4	1839.0
60°	8738.2	9200.9	6783.5	2230.5	1730.7	1794.5	1849.4	1847.9	1837.5	1803.4	1791.5
62.5°	9470.9	9494.6	6220.0	1708.5	1453.4	1575.0	1724.8	1723.3	1714.4	1695.1	1687.7
65°	9906.9	9450.1	5279.7	1345.1	1225.0	1394.1	1555.7	1567.6	1569.1	1567.6	1567.6
67.5°	9829.8	8929.5	3989.4	1070.8	1036.7	1210.2	1388.2	1404.5	1416.3	1419.3	1422.3
70°	8957.7	7786.1	2601.3	854.2	869.1	1048.5	1229.5	1245.8	1256.2	1268.0	1274.0
72.5°	6982.3	5724.6	1489.0	691.1	722.3	909.1	1072.3	1091.5	1097.5	1119.7	1128.6
75°	4254.9	3366.6	803.8	544.3	593.2	777.1	916.5	938.8	949.2	975.9	978.8
77.5°	2022.9	1457.9	458.3	424.2	477.5	634.8	774.2	799.4	771.2	786.0	774.2
80°	683.7	541.3	289.2	323.3	364.8	495.3	619.9	645.1	585.8	582.8	576.9
82.5°	238.8	219.5	183.9	215.0	235.8	354.5	468.6	501.3	436.0	434.5	413.8
85°	93.4	89.0	102.3	117.2	140.9	218.0	308.5	324.8	268.4	216.5	213.6
87.5°	19.3	20.8	25.2	26.7	43.0	75.6	111.2	136.4	108.3	92.0	84.5
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)