

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: P948406

Luminaire Tested: **GALN-SB3C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18450 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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

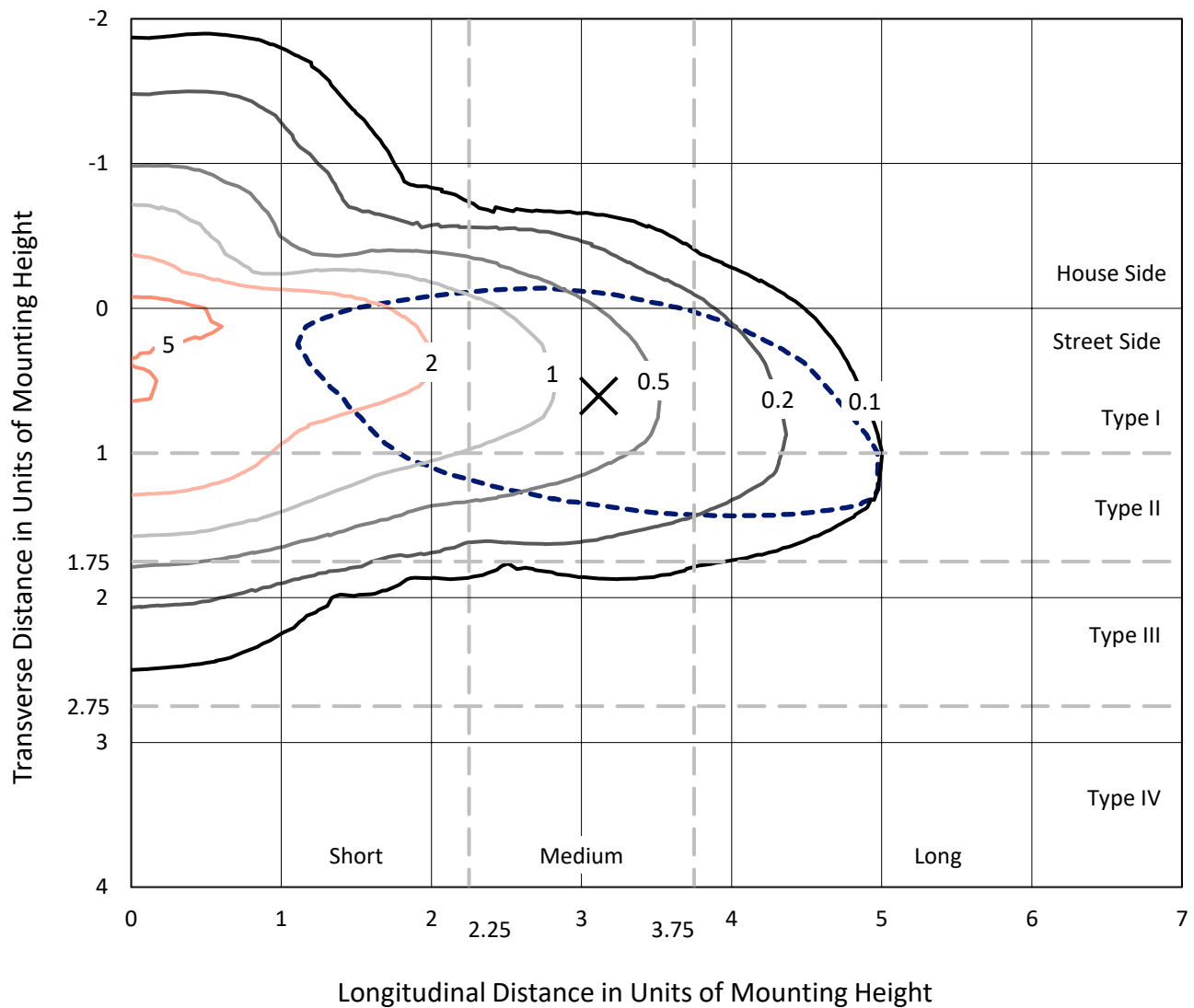


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

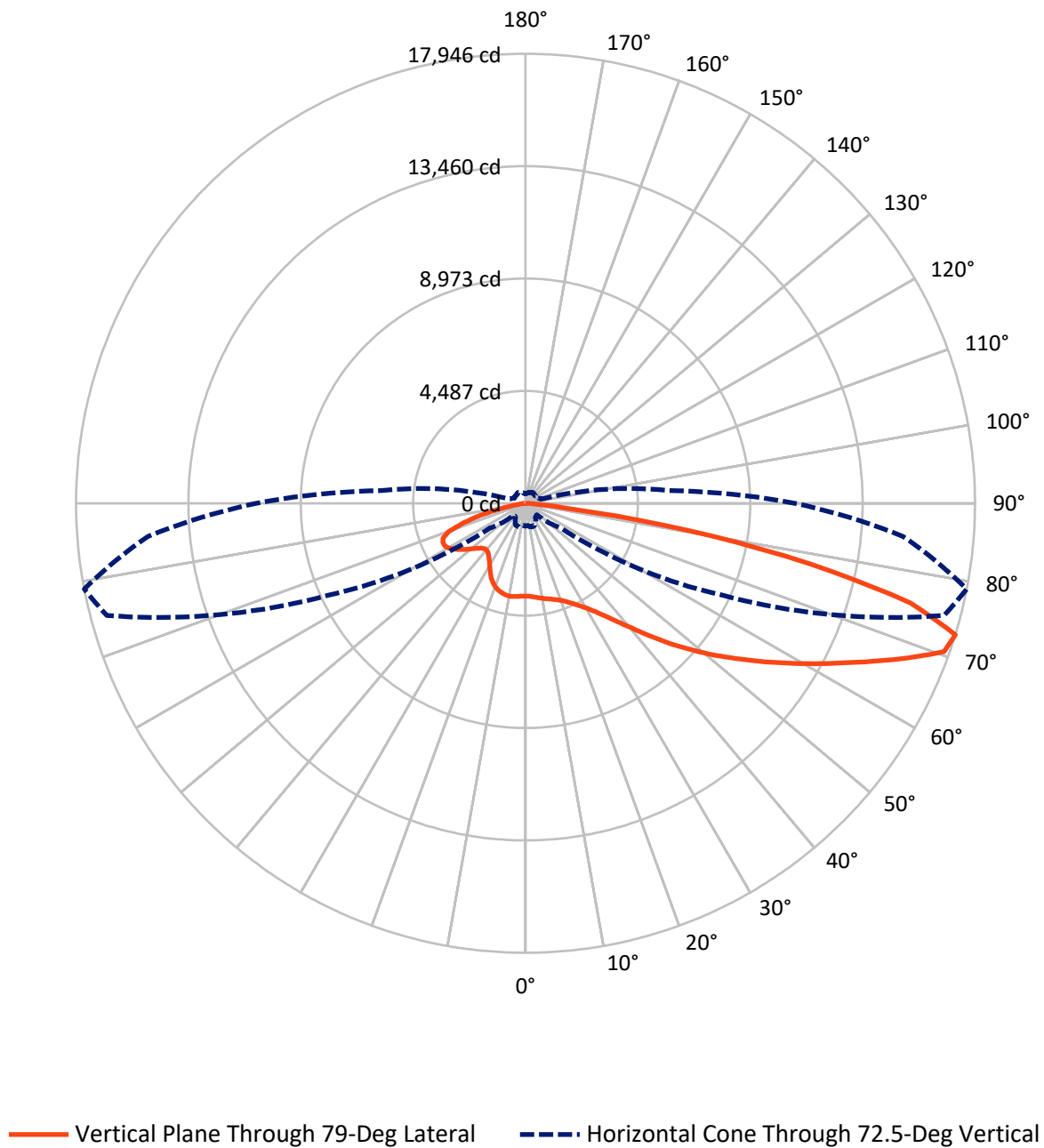


Based on 25 foot mounting height. Maximum calculated value = 6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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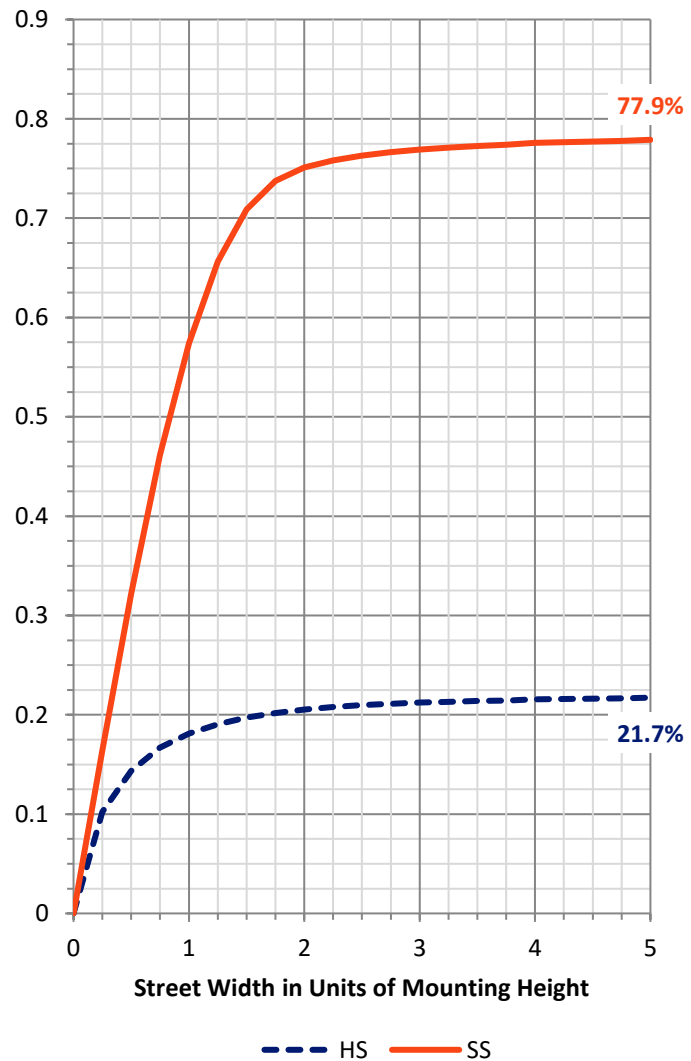
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4060.0	0.0	4060.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	14390.0	0.0	14390.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	18450.0	0.0	18450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.2	1.8
10°-20°	879.0	4.8
20°-30°	1418.3	7.7
30°-40°	2128.6	11.5
40°-50°	3019.6	16.4
50°-60°	3813.3	20.7
60°-70°	3873.0	21.0
70°-80°	2639.6	14.3
80°-90°	342.5	1.9
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°	18450.0	100.0
0°-180°	18450.0	100.0

Coefficient of Utilization



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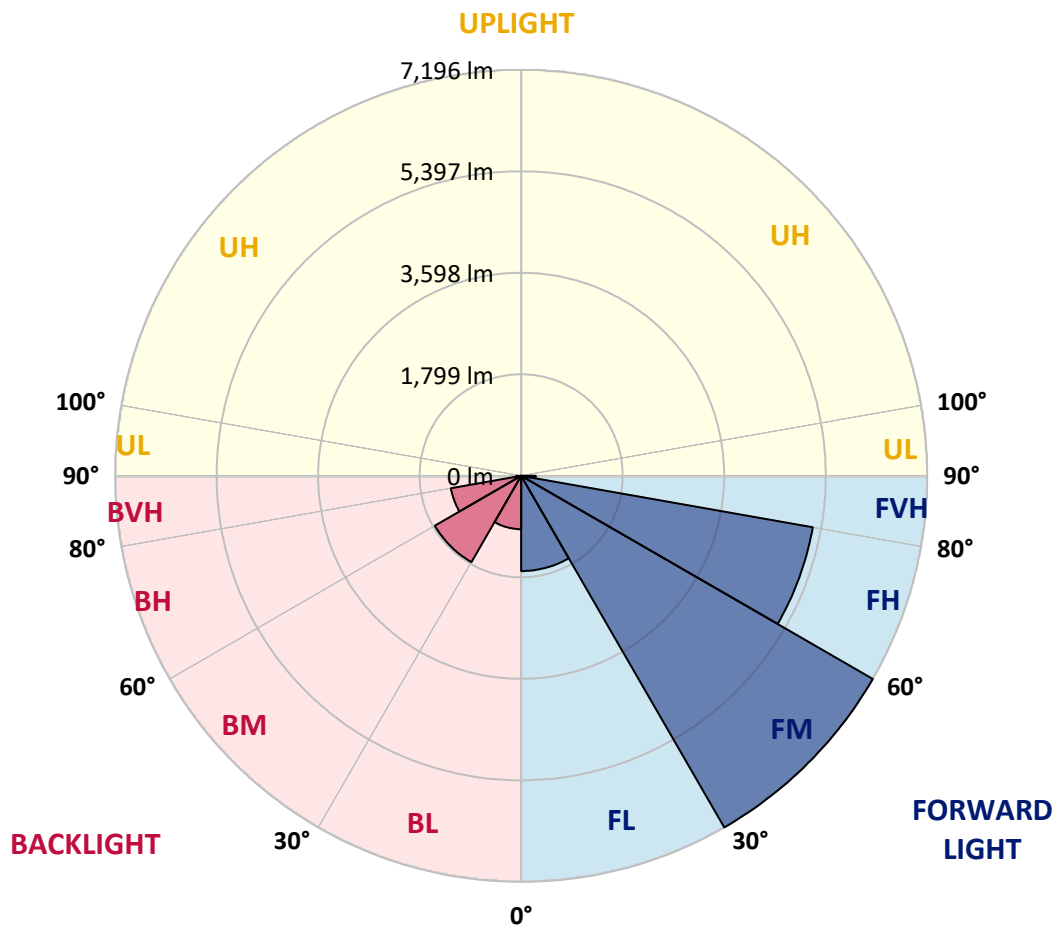
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1687.7	9.1			
FM	(30°-60°)	7195.9	39.0			
FH	(60°-80°)	5248.4	28.4			G3/7500
FVH	(80°-90°)	258.0	1.4			G3/500
BL	(0°-30°)	945.7	5.1	B2/1000		
BM	(30°-60°)	1765.7	9.6	B2/2500		
BH	(60°-80°)	1264.2	6.9	B3/2500		G3/2500
BVH	(80°-90°)	84.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7
2.5°	3705.6	3688.0	3698.8	3694.9	3699.8	3705.6	3707.6	3710.5	3720.3	3719.3	3718.3
5°	3697.8	3680.2	3694.9	3690.0	3702.7	3716.3	3728.1	3738.8	3754.4	3761.2	3751.5
7.5°	3681.2	3669.5	3684.1	3698.8	3722.2	3742.7	3759.3	3783.7	3806.1	3810.0	3816.9
10°	3584.6	3575.8	3610.0	3648.0	3712.4	3768.1	3804.2	3832.5	3856.9	3860.8	3870.5
12.5°	3484.1	3473.3	3511.4	3563.1	3667.6	3768.1	3844.2	3881.3	3902.8	3915.4	3930.1
15°	3467.5	3458.7	3480.2	3525.1	3611.9	3741.7	3871.5	3939.8	3958.4	3973.0	3978.9
17.5°	3547.5	3530.9	3539.7	3555.3	3606.1	3717.3	3893.0	4006.2	4034.5	4050.1	4050.1
20°	3732.9	3709.5	3695.9	3664.6	3655.8	3721.2	3891.0	4086.2	4123.3	4142.8	4147.7
22.5°	3979.9	3964.2	3935.0	3855.9	3770.0	3769.0	3928.1	4188.7	4258.0	4276.5	4264.8
25°	4278.5	4255.1	4218.0	4110.6	3945.7	3863.7	3990.6	4319.5	4435.6	4440.5	4406.3
27.5°	4622.0	4586.9	4536.1	4394.6	4172.1	4012.1	4086.2	4469.8	4639.6	4637.6	4567.4
30°	4984.1	4949.0	4895.3	4723.5	4443.4	4212.1	4219.0	4631.8	4881.6	4870.9	4750.8
32.5°	5248.6	5222.2	5211.5	5078.8	4755.7	4448.3	4371.2	4811.3	5180.2	5170.5	5002.6
35°	5451.6	5417.4	5430.1	5362.7	5096.3	4712.8	4557.6	5025.1	5543.3	5542.3	5333.5
37.5°	5652.6	5622.3	5633.1	5588.2	5411.5	5048.5	4785.0	5286.6	5993.2	6014.7	5733.6
40°	5836.1	5803.9	5846.8	5804.8	5656.5	5405.7	5043.6	5582.3	6514.3	6555.3	6217.7
42.5°	5946.4	5921.0	5992.2	5993.2	5869.3	5707.3	5327.6	5908.3	7117.5	7209.2	6813.0
45°	5984.4	5975.6	6083.0	6105.4	6057.6	5881.9	5583.3	6263.5	7767.4	7931.4	7491.3
47.5°	5943.4	5926.8	6075.2	6158.1	6196.2	5963.9	5795.1	6648.0	8431.1	8671.2	8231.0
50°	5736.5	5704.3	5924.9	6099.6	6235.2	6017.6	6008.8	7092.1	9185.5	9448.0	8974.7
52.5°	5364.7	5340.3	5591.1	5894.6	6149.3	6043.9	6248.9	7577.1	9901.8	10241.4	9736.9
55°	4889.4	4857.2	5133.4	5529.6	5935.6	6035.2	6489.0	8119.8	10747.0	11091.5	10524.5
57.5°	4136.0	4071.6	4421.0	4889.4	5587.2	6024.4	6738.8	8659.4	11605.8	12018.6	11364.7
60°	3037.1	2941.5	3369.9	3925.2	4906.0	5920.0	7048.2	9264.5	12636.4	13008.2	12282.1
62.5°	1768.4	1712.8	1992.9	2511.1	3697.8	5305.2	7221.9	9968.2	13649.4	14039.8	13183.9
65°	1373.1	1357.5	1381.9	1421.9	2058.2	3972.0	6686.1	10654.3	14937.6	15210.9	14123.7
67.5°	1256.0	1244.3	1255.0	1179.9	1044.2	2212.4	5289.6	10828.0	16317.6	16483.5	14946.4
70°	1116.5	1102.8	1137.9	1073.5	821.7	1006.2	3417.7	10197.5	17415.5	17726.8	15572.0
72.5°	909.6	894.0	975.9	946.7	691.9	646.1	1716.7	8699.5	17300.3	17946.4	15124.0
75°	698.8	690.0	787.6	812.0	564.1	508.5	823.7	6466.5	15224.5	15875.5	13034.5
77.5°	542.6	535.8	585.6	674.4	454.8	394.3	506.5	4101.8	11473.1	11587.2	8982.5
80°	407.0	387.4	433.3	522.1	354.3	287.9	343.5	2392.0	7252.2	6573.9	3909.6
82.5°	254.7	245.0	283.0	348.4	249.8	198.1	223.5	1321.4	2906.3	1711.8	754.4
85°	145.4	141.5	154.2	199.1	135.7	114.2	127.8	583.6	530.9	365.0	227.4
87.5°	58.6	56.6	70.3	88.8	49.8	42.0	44.9	140.5	117.1	108.3	75.1
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°	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7
2.5°	3714.4	3714.4	3700.7	3679.3	3654.9	3639.3	3613.9	3607.0	3580.7	3572.9	3585.6
5°	3759.3	3751.5	3709.5	3649.0	3566.1	3489.9	3406.0	3353.3	3279.1	3252.8	3272.3
7.5°	3815.9	3794.4	3722.2	3589.5	3415.8	3245.0	3067.4	2932.7	2803.9	2758.0	2763.8
10°	3867.6	3837.4	3714.4	3482.1	3181.5	2885.8	2602.8	2404.7	2254.4	2192.9	2206.6
12.5°	3919.3	3863.7	3662.7	3303.5	2848.7	2447.6	2146.1	1991.9	1899.2	1825.0	1849.4
15°	3968.1	3890.1	3582.6	3064.4	2483.7	2076.8	1854.3	1731.3	1657.1	1608.3	1617.1
17.5°	4024.7	3912.5	3462.6	2760.9	2136.3	1820.1	1638.6	1564.4	1549.8	1543.9	1547.8
20°	4103.8	3933.0	3304.5	2421.3	1880.6	1615.2	1521.5	1514.6	1513.7	1510.7	1520.5
22.5°	4188.7	3957.4	3095.7	2112.9	1663.0	1487.3	1470.7	1457.1	1448.3	1447.3	1458.0
25°	4289.2	3965.2	2834.1	1860.1	1477.6	1426.8	1407.3	1386.8	1380.9	1380.9	1386.8
27.5°	4386.8	3938.9	2529.6	1640.5	1373.1	1371.2	1345.8	1339.0	1338.0	1340.9	1348.7
30°	4484.4	3889.1	2227.1	1437.5	1312.6	1312.6	1303.8	1308.7	1312.6	1322.4	1329.2
32.5°	4616.2	3836.4	1974.3	1287.3	1259.9	1250.2	1259.0	1268.7	1272.6	1285.3	1296.0
35°	4809.4	3799.3	1773.3	1205.3	1205.3	1192.6	1197.5	1195.5	1186.7	1180.9	1194.5
37.5°	5065.1	3797.4	1607.4	1167.2	1159.4	1157.5	1158.4	1145.7	1111.6	1070.6	1071.6
40°	5372.5	3850.1	1479.5	1140.9	1135.0	1146.7	1140.9	1106.7	1013.0	941.8	939.8
42.5°	5785.3	4000.3	1397.5	1108.7	1126.2	1140.9	1117.4	999.4	935.9	888.1	886.1
45°	6271.3	4244.3	1355.6	1074.5	1109.6	1127.2	1014.0	962.3	911.5	853.9	850.0
47.5°	6821.8	4551.7	1345.8	1042.3	1072.5	1083.3	970.1	946.7	889.1	826.6	821.7
50°	7421.0	4915.8	1372.2	1004.2	1018.9	981.8	955.4	934.0	874.4	813.0	806.1
52.5°	8040.7	5316.9	1424.9	952.5	965.2	924.2	949.6	931.0	865.7	782.7	776.8
55°	8649.7	5720.9	1475.6	892.0	910.5	872.5	933.0	919.3	825.6	731.9	727.1
57.5°	9268.4	6123.0	1525.4	838.3	857.8	822.7	906.6	888.1	780.7	685.1	683.2
60°	9911.6	6513.4	1548.8	786.6	800.3	776.8	866.6	834.4	730.0	637.3	634.4
62.5°	10513.7	6838.4	1510.7	734.9	743.7	733.9	813.9	771.0	679.2	583.6	582.6
65°	11117.8	7031.6	1393.6	684.1	686.1	681.2	739.8	702.7	619.7	536.8	530.9
67.5°	11665.3	7139.9	1207.2	629.5	624.6	622.6	670.5	628.5	562.1	489.9	484.1
70°	11781.5	6864.7	922.3	565.1	565.1	560.2	594.3	551.4	498.7	440.1	438.2
72.5°	10760.6	5774.6	654.9	491.9	499.7	489.9	518.2	482.1	434.3	395.3	383.5
75°	8677.0	4234.6	476.3	416.7	430.4	413.8	440.1	414.8	373.8	372.8	335.7
77.5°	5962.0	2618.4	345.5	343.5	353.3	331.8	362.1	348.4	311.3	294.7	276.2
80°	2544.3	1044.2	251.8	265.5	265.5	245.9	281.1	285.0	252.8	245.0	245.0
82.5°	506.5	296.7	176.6	182.5	171.8	165.9	199.1	220.6	304.5	338.6	339.6
85°	152.2	109.3	106.4	99.5	87.8	88.8	117.1	221.5	273.3	156.1	134.7
87.5°	42.0	27.3	28.3	22.4	18.5	24.4	40.0	167.9	91.7	39.0	33.2
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)