

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: P956984

Luminaire Tested: **GALN-SB9C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57105 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 449.8
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



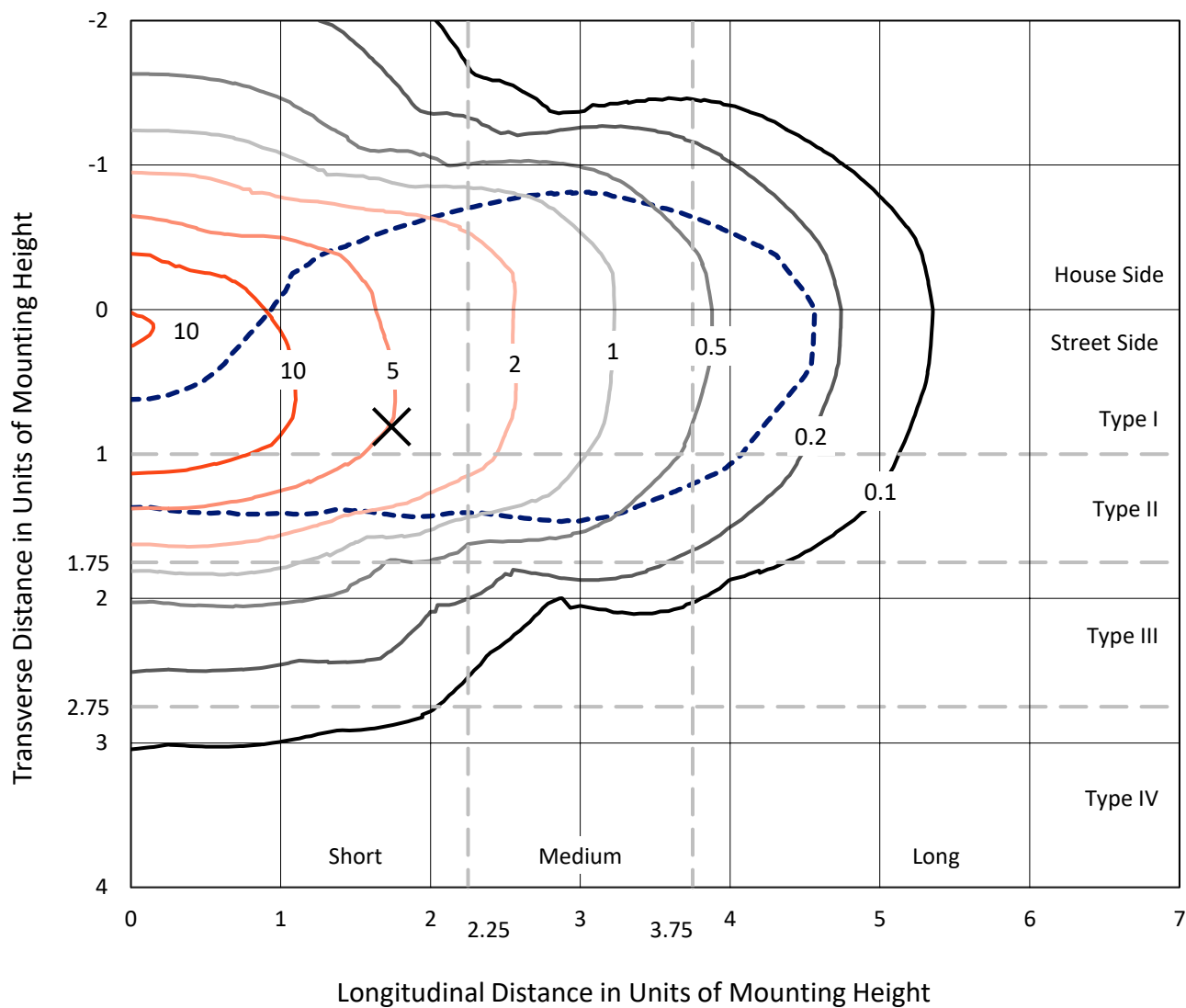
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



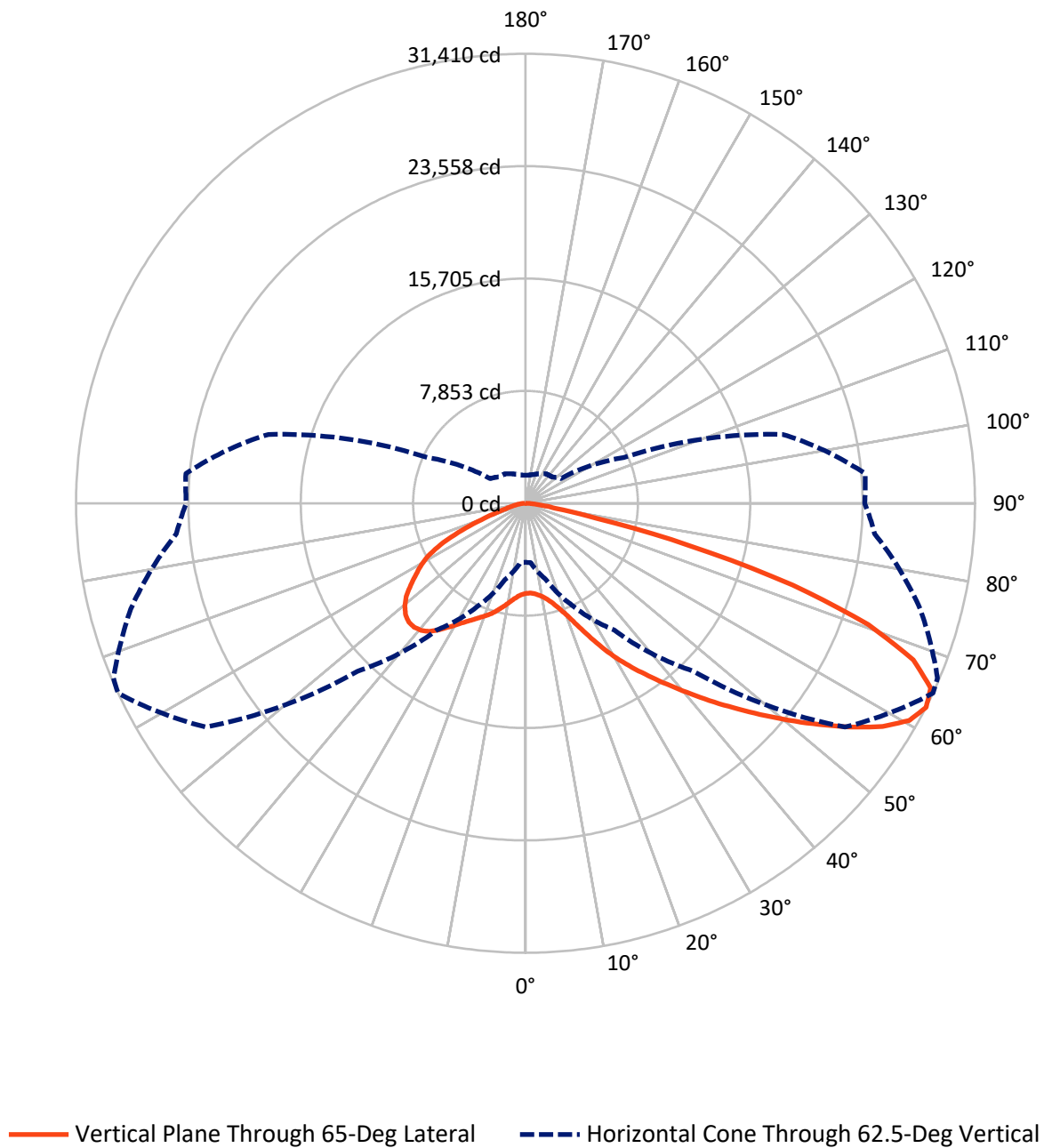
Based on 25 foot mounting height. Maximum calculated value = 16 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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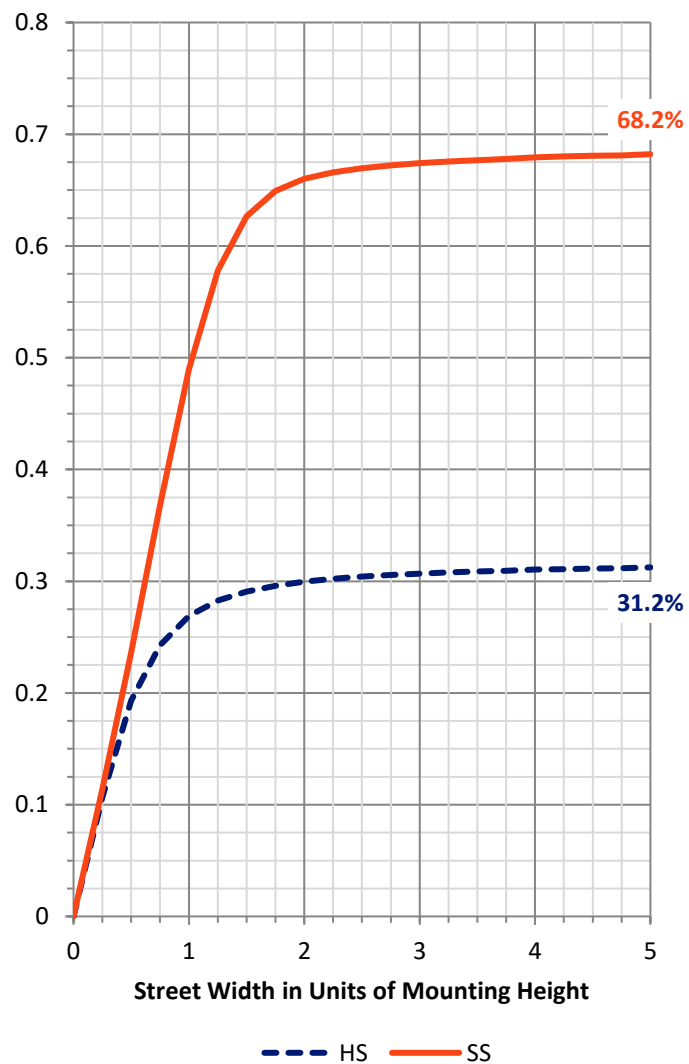
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18019.8	0.0	18019.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	39085.2	0.0	39085.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	57105.0	0.0	57105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.4	1.1
10°-20°	2127.5	3.7
20°-30°	4313.7	7.6
30°-40°	7464.8	13.1
40°-50°	11296.6	19.8
50°-60°	13244.5	23.2
60°-70°	11103.9	19.4
70°-80°	6130.3	10.7
80°-90°	796.3	1.4
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°	57105.0	100.0
0°-180°	57105.0	100.0

Coefficient of Utilization



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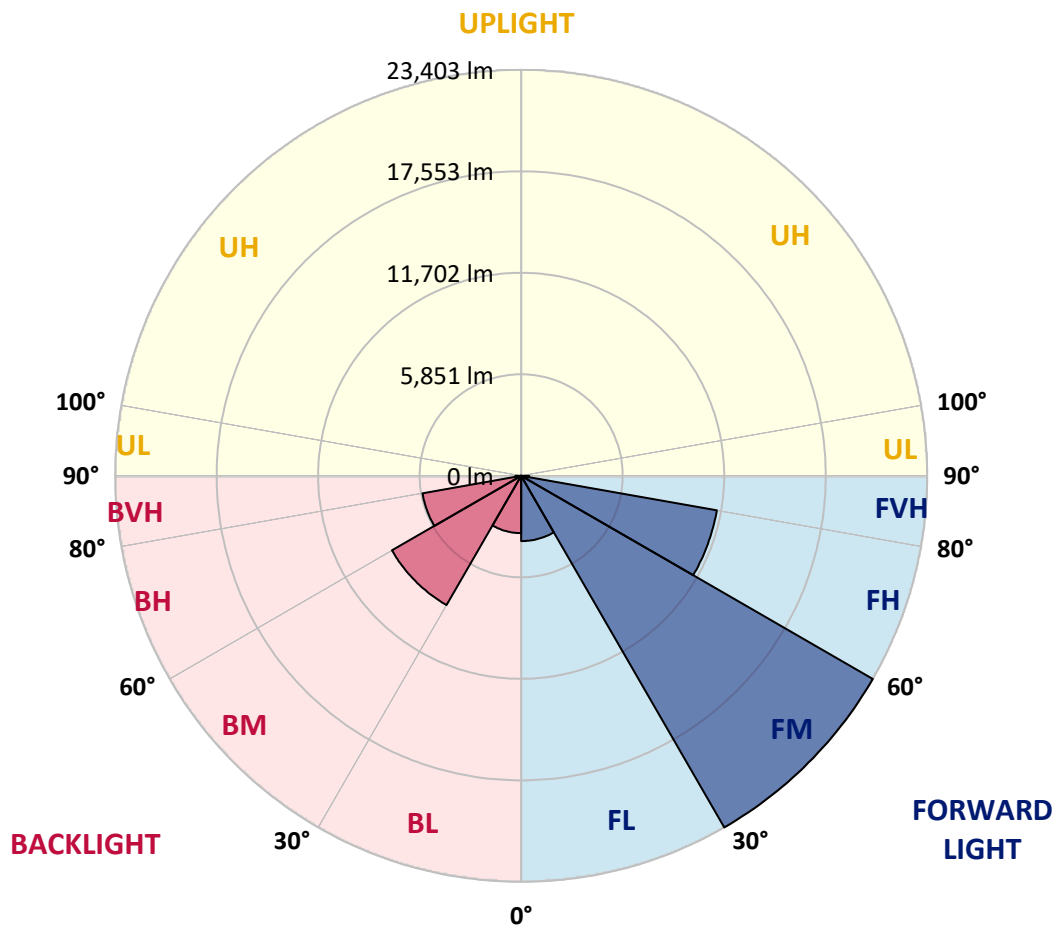
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3764.0	6.6			
FM	(30°-60°)	23403.5	41.0			
FH	(60°-80°)	11453.6	20.1			G4/12000
FVH	(80°-90°)	464.1	0.8			G3/500
BL	(0°-30°)	3304.6	5.8	B4/5000		
BM	(30°-60°)	8602.4	15.1	B5		
BH	(60°-80°)	5780.6	10.1	B5		G5
BVH	(80°-90°)	332.2	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7
2.5°	6251.2	6233.5	6248.3	6248.3	6254.2	6251.2	6272.0	6277.9	6286.8	6304.6	6304.6
5°	6189.0	6186.1	6212.7	6236.4	6260.1	6280.9	6307.5	6346.1	6352.0	6372.7	6399.4
7.5°	6168.3	6150.5	6192.0	6221.6	6277.9	6328.3	6399.4	6464.6	6491.2	6500.1	6550.5
10°	6328.3	6298.6	6337.2	6354.9	6402.3	6452.7	6535.7	6639.4	6669.0	6704.5	6760.8
12.5°	6600.8	6568.3	6624.5	6651.2	6695.6	6740.1	6796.4	6897.1	6911.9	6977.1	7030.4
15°	6974.1	6935.6	6971.2	7003.8	7077.8	7119.3	7175.6	7273.4	7273.4	7323.7	7362.2
17.5°	7480.8	7430.4	7457.1	7468.9	7516.3	7578.5	7673.3	7759.2	7803.7	7785.9	7732.6
20°	8236.2	8174.0	8174.0	8114.8	8097.0	8147.4	8271.8	8390.3	8437.7	8345.9	8215.5
22.5°	9370.9	9282.1	9231.7	9030.2	8950.2	8956.2	9080.6	9225.8	9264.3	9101.3	8808.0
25°	10813.8	10674.5	10606.4	10310.1	10129.4	9972.4	10070.1	10256.8	10310.1	10108.6	9634.6
27.5°	12256.6	12265.5	12200.3	11844.8	11545.5	11258.2	11207.8	11403.3	11459.6	11231.5	10644.9
30°	14280.1	14069.7	13945.3	13518.7	13092.1	12689.1	12481.8	12561.7	12576.6	12304.0	11622.6
32.5°	16025.1	15971.8	15705.1	15331.8	14783.8	14152.7	13806.1	13678.7	13655.0	13266.9	12458.1
35°	18013.1	17983.4	17702.0	17257.6	16665.1	15788.1	15163.0	14798.6	14768.9	14223.8	13284.6
37.5°	20033.6	20033.6	19758.1	19272.2	18658.9	17562.7	16611.7	16034.0	15939.2	15228.2	14126.0
40°	21645.3	21547.5	21597.9	21393.5	20691.3	19527.0	18220.5	17382.0	17254.6	16401.4	15020.8
42.5°	22560.8	22528.2	22830.4	23058.5	22771.1	21840.8	19992.1	18842.6	18664.9	17693.1	16051.8
45°	22765.2	22729.6	23268.9	24104.3	24507.3	24125.1	21917.9	20380.2	20164.0	19044.1	17156.9
47.5°	22294.1	22223.0	23014.1	24332.5	25624.2	26296.7	24003.6	22048.2	21734.2	20359.5	18291.6
50°	20878.0	20809.8	22006.8	23757.7	26000.4	27772.1	26267.1	23817.0	23337.0	21769.7	19438.1
52.5°	17799.8	17832.3	19707.7	22113.4	25505.7	28690.6	28216.5	25680.5	25102.8	23212.6	20513.6
55°	13865.3	13936.4	16241.4	18890.0	23526.6	28551.3	29546.8	27600.3	27025.5	24569.5	21624.6
57.5°	9927.9	10242.0	12401.8	15023.7	19725.5	26344.1	29837.1	29425.3	28868.3	26050.8	22711.9
60°	6434.9	6491.2	8713.2	11355.9	15020.8	22421.5	29247.5	30808.9	30373.4	27561.8	23621.4
62.5°	4124.0	4162.6	5516.5	7942.9	10810.8	16588.0	27262.5	31410.3	31277.0	28560.2	24495.4
65°	3030.8	3001.2	3706.3	5249.9	7282.3	10230.1	23408.1	31119.9	31383.6	29185.3	25218.3
67.5°	2530.1	2488.6	2835.3	3635.2	5365.4	5809.8	17319.8	29232.7	30198.6	29114.2	25748.6
70°	2305.0	2269.4	2479.8	2699.0	4186.3	3890.0	8731.0	25413.8	26901.1	28305.4	25662.7
72.5°	1952.4	1890.2	2177.6	2396.8	3256.0	2983.4	3608.5	19521.1	21334.2	25713.1	24453.9
75°	1513.9	1472.4	1718.4	2109.4	2447.2	2328.7	2281.3	11853.7	13832.7	19885.5	21393.5
77.5°	1199.9	1143.6	1368.8	1644.3	2201.3	1756.9	1662.1	5104.7	7066.0	12695.1	16007.3
80°	903.6	853.3	1039.9	1300.6	1691.7	1324.3	1075.5	2082.8	2663.4	6432.0	8049.6
82.5°	642.9	598.5	725.9	954.0	1137.7	1188.0	660.7	1167.3	1312.5	2479.8	1798.3
85°	411.8	385.1	485.9	598.5	722.9	764.4	402.9	610.3	669.6	1022.1	749.6
87.5°	225.2	183.7	260.7	278.5	334.8	305.2	192.6	222.2	240.0	370.3	317.0
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°	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7	6292.7
2.5°	6316.4	6325.3	6354.9	6363.8	6384.6	6411.2	6429.0	6446.8	6446.8	6464.6	6464.6
5°	6402.3	6423.1	6485.3	6517.9	6571.2	6624.5	6657.1	6695.6	6719.3	6731.2	6737.1
7.5°	6568.3	6600.8	6689.7	6746.0	6837.9	6911.9	6962.3	7015.6	7027.5	7060.1	7048.2
10°	6793.4	6831.9	6932.7	7039.3	7148.9	7240.8	7288.2	7326.7	7341.5	7347.4	7332.6
12.5°	7051.2	7107.5	7237.8	7368.2	7483.7	7563.7	7575.6	7566.7	7525.2	7489.6	7489.6
15°	7368.2	7418.5	7563.7	7705.9	7818.5	7833.3	7759.2	7711.8	7661.5	7652.6	7652.6
17.5°	7747.4	7774.1	7907.4	8046.6	8055.5	8005.1	7895.5	7851.1	7803.7	7771.1	7774.1
20°	8188.8	8179.9	8274.8	8334.0	8271.8	8117.7	7951.8	7877.8	7830.4	7791.8	7794.8
22.5°	8716.2	8648.1	8636.2	8621.4	8455.5	8132.5	7907.4	7812.6	7738.5	7685.2	7703.0
25°	9483.5	9222.8	9042.1	8941.4	8568.1	8052.6	7765.2	7554.8	7415.6	7323.7	7359.3
27.5°	10443.4	10005.0	9548.7	9302.8	8568.1	7889.6	7421.5	7080.8	6852.7	6757.9	6805.3
30°	11358.9	10899.7	10227.2	9738.3	8547.3	7623.0	6867.5	6393.5	6126.8	6032.0	6088.3
32.5°	12141.0	11640.4	10947.1	10215.3	8497.0	7190.4	6180.1	5655.7	5398.0	5285.4	5341.7
35°	12866.9	12333.6	11670.0	10739.7	8363.6	6556.4	5424.7	5024.7	4737.3	4556.6	4615.8
37.5°	13610.5	12976.5	12354.4	11213.7	8123.7	5815.7	4844.0	4503.3	4165.5	3922.6	3987.8
40°	14419.3	13660.9	13086.1	11495.2	7729.6	5110.6	4393.6	4082.6	3724.1	3466.3	3516.7
42.5°	15364.4	14481.6	13900.9	11640.4	7190.4	4609.9	4100.3	3795.2	3457.4	3247.1	3288.6
45°	16351.0	15385.2	14644.5	11637.4	6589.0	4375.9	4005.5	3703.3	3330.0	3110.8	3146.4
47.5°	17385.0	16330.3	15287.4	11447.8	6067.6	4408.5	3952.2	3504.8	3093.0	2879.7	2909.3
50°	18421.9	17364.2	15909.6	11092.3	5845.4	4337.4	3753.7	3226.4	2740.5	2547.9	2559.8
52.5°	19450.0	18463.4	16445.8	10585.6	5620.2	4073.7	3498.9	2864.9	2595.3	2462.0	2462.0
55°	20483.9	19550.7	17029.5	9847.9	5057.3	3765.6	3072.3	2728.6	2479.8	2358.3	2346.4
57.5°	21520.9	20806.9	17583.5	9110.2	4349.2	3386.3	2838.2	2562.7	2364.2	2260.5	2242.7
60°	22599.3	22243.8	18155.3	8431.8	3650.0	2900.5	2666.4	2429.4	2227.9	2112.4	2103.5
62.5°	23710.3	23825.8	18602.6	7557.8	3007.1	2604.2	2512.3	2269.4	2073.9	1964.3	1961.3
65°	24830.2	25351.6	18895.9	6346.1	2438.3	2322.7	2346.4	2094.6	1896.1	1801.3	1798.3
67.5°	25674.5	26450.8	18813.0	4802.5	1999.8	2056.1	2139.1	1910.9	1724.3	1650.2	1653.2
70°	25769.4	26320.4	17995.3	3288.6	1673.9	1795.4	1908.0	1730.2	1537.6	1484.3	1487.3
72.5°	24507.3	24542.8	15717.0	2147.9	1416.2	1576.1	1665.0	1546.5	1359.9	1306.5	1303.6
75°	21197.9	20297.3	11539.6	1416.2	1185.1	1353.9	1436.9	1353.9	1173.2	1185.1	1143.6
77.5°	16060.7	14374.9	7006.7	1007.3	989.5	1137.7	1250.2	1191.0	1036.9	1164.3	1025.1
80°	8274.8	7777.0	3125.6	752.5	782.1	909.5	1028.0	951.0	820.7	782.1	714.0
82.5°	1896.1	2204.2	1232.5	539.2	565.9	654.8	785.1	714.0	589.6	497.7	491.8
85°	663.6	725.9	545.1	337.7	331.8	408.8	533.3	477.0	400.0	320.0	337.7
87.5°	210.3	275.5	204.4	136.3	142.2	183.7	245.9	225.2	186.6	121.5	127.4
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)