

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: P953058

Luminaire Tested: **GALN-SB6D-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42440 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 440.1
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

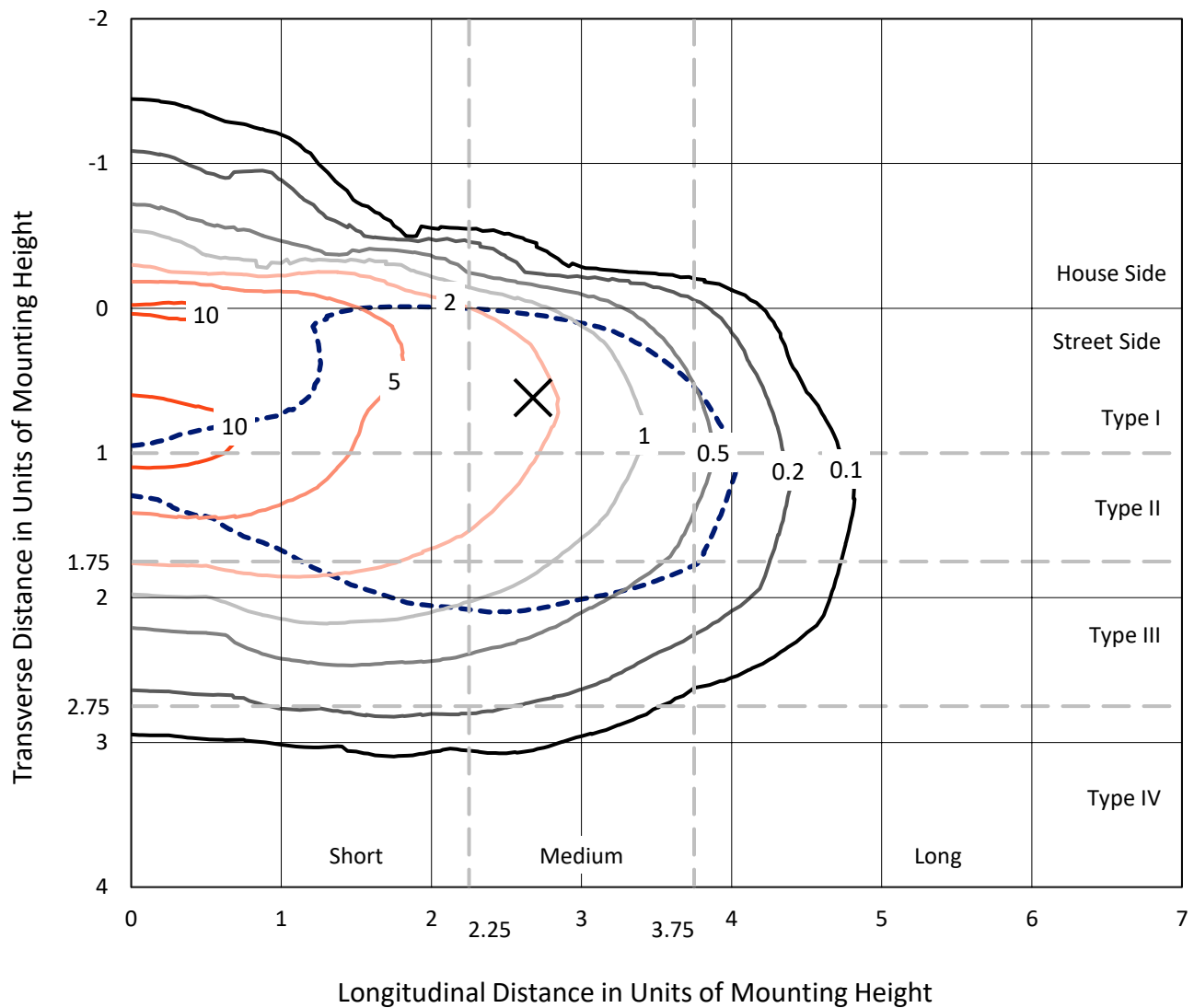


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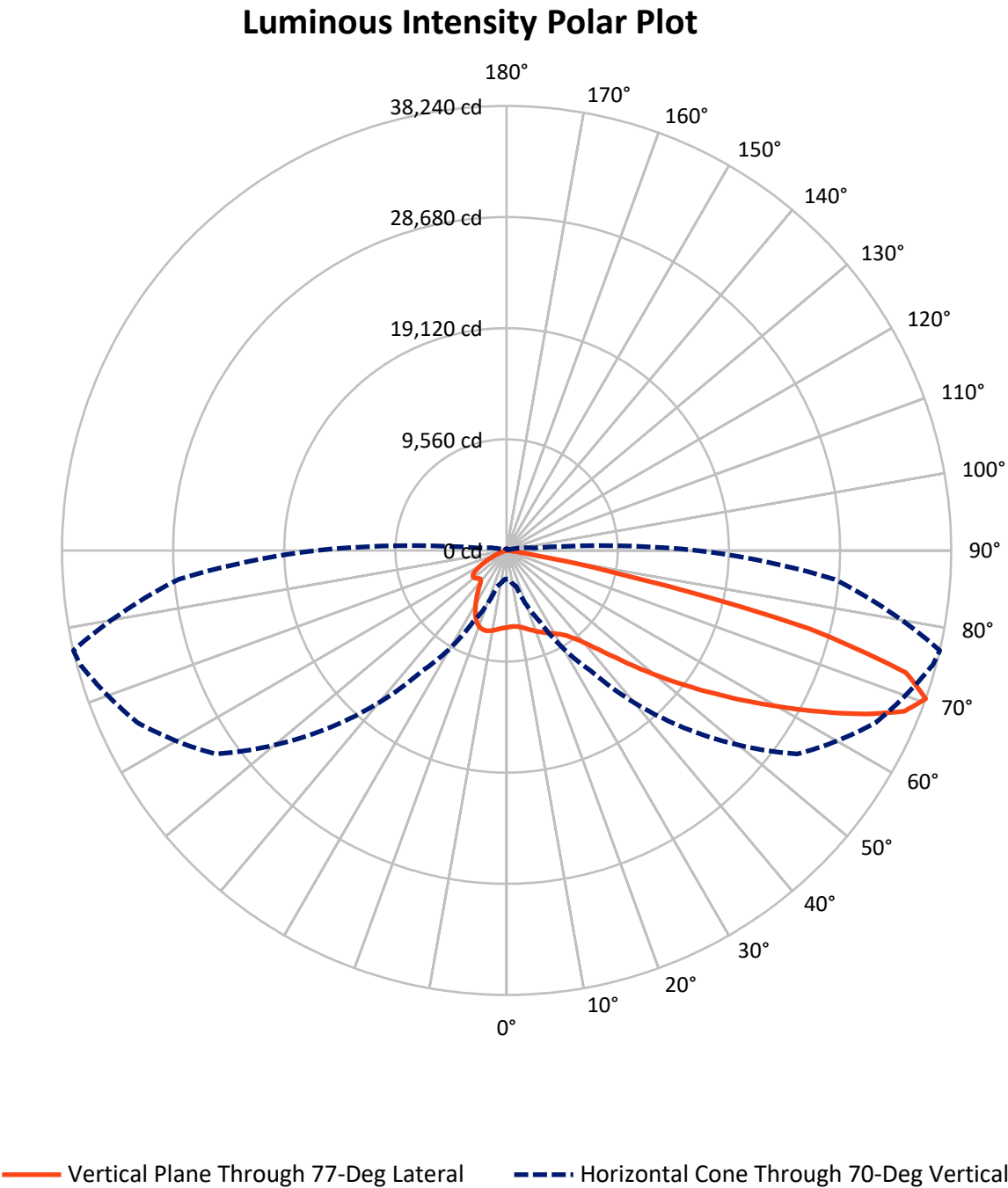
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
Type III - Medium - N/A

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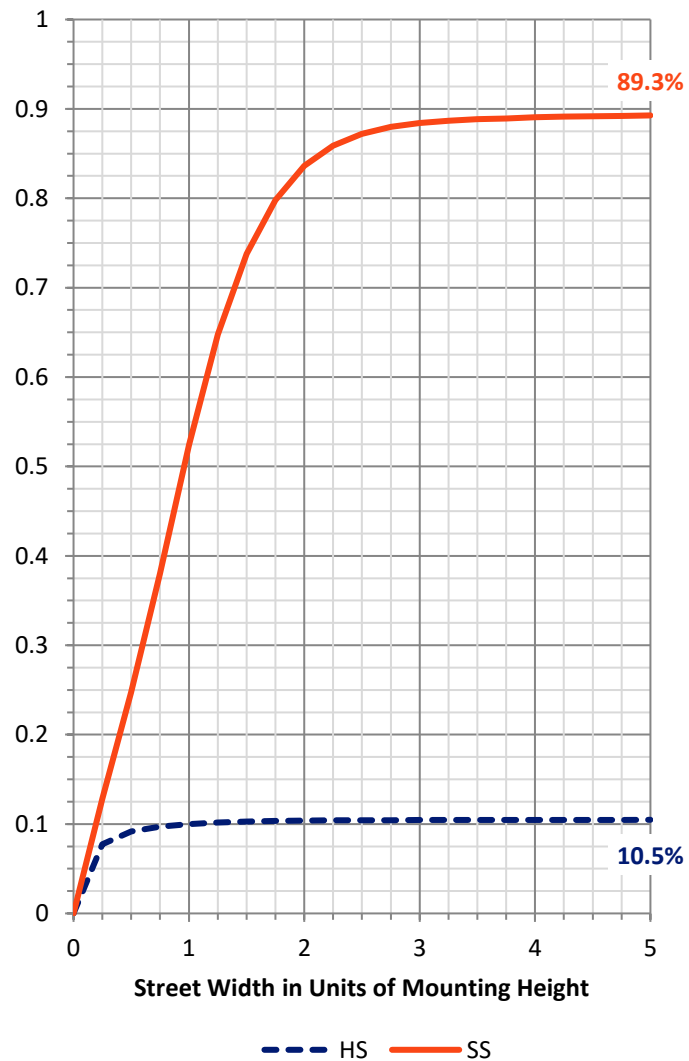
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4473.8	0.0	4473.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	37966.2	0.0	37966.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	42440.0	0.0	42440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.5	1.3
10°-20°	1354.4	3.2
20°-30°	2094.8	4.9
30°-40°	3801.2	9.0
40°-50°	7175.2	16.9
50°-60°	10367.6	24.4
60°-70°	11036.0	26.0
70°-80°	5848.3	13.8
80°-90°	192.0	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°	42440.0	100.0
0°-180°	42440.0	100.0

Coefficient of Utilization



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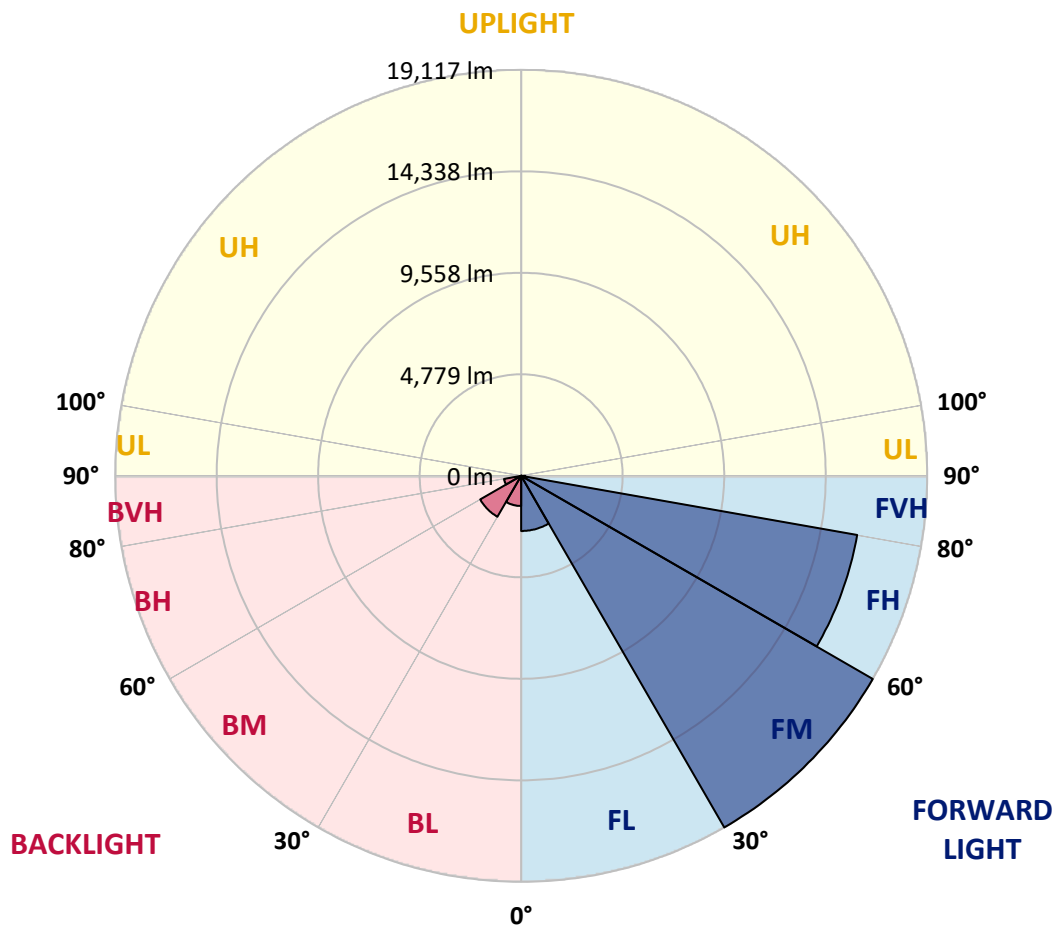
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2598.3	6.1			
FM	(30°-60°)	19116.9	45.0			
FH	(60°-80°)	16064.1	37.9			G5
FVH	(80°-90°)	186.9	0.4			G2/225
BL	(0°-30°)	1421.4	3.3	B3/2500		
BM	(30°-60°)	2227.1	5.2	B2/2500		
BH	(60°-80°)	820.1	1.9	B2/1000		G2/1000
BVH	(80°-90°)	5.2	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-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9
2.5°	6215.2	6271.5	6263.4	6300.9	6314.3	6367.9	6421.5	6493.9	6574.3	6571.6	6625.2
5°	5864.1	5920.4	5933.8	5984.7	6049.0	6132.1	6242.0	6386.7	6536.8	6560.9	6668.1
7.5°	5448.7	5507.6	5542.5	5644.3	5762.2	5933.8	6113.3	6325.1	6574.3	6609.2	6815.5
10°	5033.2	5086.9	5132.4	5277.1	5464.7	5719.4	6011.5	6317.0	6652.0	6703.0	6995.1
12.5°	4776.0	4826.9	4877.8	5003.8	5236.9	5547.8	5944.5	6354.5	6780.7	6853.0	7239.0
15°	4684.8	4730.4	4770.6	4883.2	5100.3	5454.0	5931.1	6432.3	6944.2	7040.7	7533.8
17.5°	4698.2	4722.4	4749.2	4834.9	5046.6	5411.1	5955.2	6566.3	7137.1	7222.9	7828.6
20°	4776.0	4789.4	4792.0	4851.0	5038.6	5405.8	6003.4	6694.9	7319.4	7434.6	8120.7
22.5°	4875.1	4880.5	4875.1	4915.3	5089.5	5446.0	6067.8	6850.4	7523.1	7630.3	8415.5
25°	5338.8	5236.9	5108.3	5030.6	5175.3	5523.7	6164.3	7059.4	7745.5	7850.0	8702.3
27.5°	6778.0	6485.9	6024.9	5507.6	5352.2	5636.3	6298.3	7271.1	7970.6	8064.5	9010.5
30°	9115.1	8731.8	7949.2	6783.4	5920.4	5872.1	6472.5	7482.9	8209.2	8311.0	9340.2
32.5°	11457.5	11363.7	10460.5	8847.0	7198.8	6397.4	6761.9	7769.6	8525.4	8605.8	9785.1
35°	13826.7	13636.4	12896.7	11302.0	9168.7	7466.8	7244.3	8144.9	8940.8	9032.0	10433.7
37.5°	15641.1	15525.9	15067.6	13754.3	11505.7	9117.7	8069.8	8726.4	9543.9	9645.7	11264.5
40°	17243.8	17190.2	17034.8	16169.1	14118.8	11277.9	9353.6	9627.0	10380.1	10500.7	12282.9
42.5°	18503.5	18629.4	18717.9	18476.7	16812.3	13743.6	11079.6	10892.0	11545.9	11669.2	13580.1
45°	19792.6	19835.5	20192.0	20540.4	19487.1	16321.9	13025.3	12374.1	12995.9	13148.6	15134.6
47.5°	20620.8	20792.3	21419.4	22033.2	21735.7	18878.7	15115.8	14124.2	14676.3	14963.1	16876.7
50°	20682.4	21006.7	21869.7	22939.1	23373.2	21312.2	17388.6	16118.2	16705.1	17021.4	18736.7
52.5°	19655.9	20159.8	21497.2	23062.4	24257.7	23373.2	19739.0	18112.2	18865.3	19278.0	20666.3
55°	15070.3	15729.6	20095.5	22392.3	24292.5	24935.8	22027.8	20189.3	21272.0	21738.4	22751.5
57.5°	13129.9	13462.2	15799.3	21229.2	23646.6	25565.6	24096.9	22167.2	23890.5	24469.4	24721.3
60°	10924.1	11361.0	13250.5	19326.3	22770.2	25627.2	25924.7	24718.7	26728.7	27380.0	26527.7
62.5°	7423.9	7898.3	9777.0	16056.5	21572.2	25597.7	27422.9	27345.2	29883.2	30582.7	28058.1
65°	4599.1	4896.6	6134.8	13111.1	19897.1	25629.9	28990.8	30534.5	33211.9	33922.2	29242.7
67.5°	3634.2	3770.9	4416.8	10066.5	17010.7	24906.3	30555.9	33533.5	36345.0	36907.8	29604.5
70°	2441.6	2524.7	3213.5	6748.5	12655.5	21566.9	30526.5	35039.8	37958.4	38239.8	28285.9
72.5°	1286.5	1350.8	1878.8	3125.0	7643.7	15330.2	25731.7	33238.7	36353.0	35929.6	24177.3
75°	643.2	750.4	1265.0	1586.6	3264.4	8549.6	15978.8	26206.1	28612.9	26972.6	15512.5
77.5°	487.8	589.6	1045.2	1045.2	1136.4	2878.4	6767.3	14293.0	13183.5	10977.7	4553.5
80°	310.9	402.0	913.9	790.6	474.4	731.7	1763.5	4004.1	2800.7	2130.7	828.2
82.5°	182.2	262.7	761.2	522.6	265.3	270.7	498.5	852.3	726.3	565.5	254.6
85°	72.4	171.5	522.6	206.4	104.5	67.0	150.1	182.2	150.1	112.6	64.3
87.5°	0.0	40.2	91.1	0.0	8.0	5.4	10.7	13.4	13.4	10.7	21.4
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°	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9	6619.9
2.5°	6649.4	6654.7	6670.8	6673.5	6636.0	6587.7	6569.0	6560.9	6528.7	6526.1	6531.4
5°	6729.8	6753.9	6729.8	6660.1	6493.9	6260.7	6083.9	5939.1	5807.8	5767.6	5743.5
7.5°	6890.6	6914.7	6842.3	6569.0	6150.9	5687.2	5269.1	4974.3	4709.0	4609.8	4569.6
10°	7121.1	7153.2	6925.4	6373.3	5633.6	4888.5	4181.0	3682.5	3293.9	3135.7	3068.7
12.5°	7410.5	7423.9	6971.0	6075.8	4960.9	3896.9	2894.5	2361.2	2015.4	1886.8	1846.6
15°	7729.4	7710.7	6976.3	5671.1	4044.3	2755.2	1889.5	1551.8	1412.4	1369.5	1369.5
17.5°	8064.5	7986.7	6869.1	5086.9	3039.2	1884.1	1401.7	1321.3	1297.2	1286.5	1283.8
20°	8394.1	8219.9	6673.5	4323.0	2181.6	1407.1	1273.1	1248.9	1235.5	1230.2	1224.8
22.5°	8694.3	8396.8	6338.5	3435.9	1583.9	1243.6	1203.4	1181.9	1157.8	1147.1	1144.4
25°	8986.4	8498.6	5866.8	2607.7	1267.7	1163.2	1131.0	1090.8	1058.6	1045.2	1039.9
27.5°	9270.5	8563.0	5277.1	1929.7	1131.0	1088.1	1029.2	972.9	948.8	943.4	938.0
30°	9573.4	8584.4	4607.1	1439.2	1047.9	994.3	908.6	844.2	830.8	833.5	833.5
32.5°	9943.2	8616.6	3931.7	1179.2	978.2	881.8	779.9	712.9	702.2	712.9	710.2
35°	10385.4	8680.9	3280.5	1085.4	916.6	766.5	656.6	600.3	589.6	597.7	595.0
37.5°	10985.8	8785.4	2672.1	1066.7	865.7	670.0	552.1	506.5	506.5	509.2	506.5
40°	11784.4	9064.1	2128.0	1053.3	838.9	597.7	466.3	447.6	455.6	461.0	461.0
42.5°	12757.3	9656.4	1760.8	1037.2	809.4	565.5	423.5	415.4	428.8	434.2	434.2
45°	13848.1	10406.9	1632.2	1010.4	782.6	586.9	404.7	394.0	410.1	412.7	415.4
47.5°	14976.5	11141.2	1616.1	980.9	755.8	619.1	399.3	375.2	394.0	396.7	399.3
50°	16118.2	11621.0	1632.2	935.4	712.9	619.1	402.0	356.5	372.5	380.6	383.3
52.5°	17268.0	11840.7	1621.5	836.2	637.9	581.6	402.0	340.4	356.5	361.8	361.8
55°	18382.9	11797.8	1458.0	688.8	541.4	514.6	391.3	327.0	337.7	340.4	340.4
57.5°	19264.6	11200.2	1155.1	536.0	439.5	428.8	356.5	310.9	318.9	316.3	316.3
60°	19725.6	9886.9	825.5	412.7	345.7	337.7	313.6	289.5	294.8	281.4	278.7
62.5°	19731.0	8150.2	552.1	327.0	276.1	268.0	268.0	260.0	254.6	227.8	219.8
65°	19310.2	6223.2	367.2	260.0	222.4	209.0	225.1	222.4	203.7	166.2	160.8
67.5°	18356.1	4079.1	278.7	203.7	171.5	163.5	179.6	187.6	174.2	139.4	136.7
70°	16394.2	2374.6	230.5	158.1	128.6	120.6	144.7	160.8	144.7	112.6	107.2
72.5°	13617.6	1281.1	187.6	117.9	88.4	80.4	115.2	131.3	115.2	83.1	80.4
75°	8836.3	686.1	144.7	77.7	45.6	50.9	85.8	96.5	80.4	53.6	48.2
77.5°	2966.9	302.9	91.1	37.5	21.4	21.4	50.9	59.0	37.5	18.8	16.1
80°	662.0	126.0	37.5	16.1	8.0	8.0	10.7	10.7	5.4	0.0	0.0
82.5°	217.1	50.9	16.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	83.1	18.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.2	2.7	0.0	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)