

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: P952728

Luminaire Tested: **GALN-SB6C-730-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38721 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 300.9
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

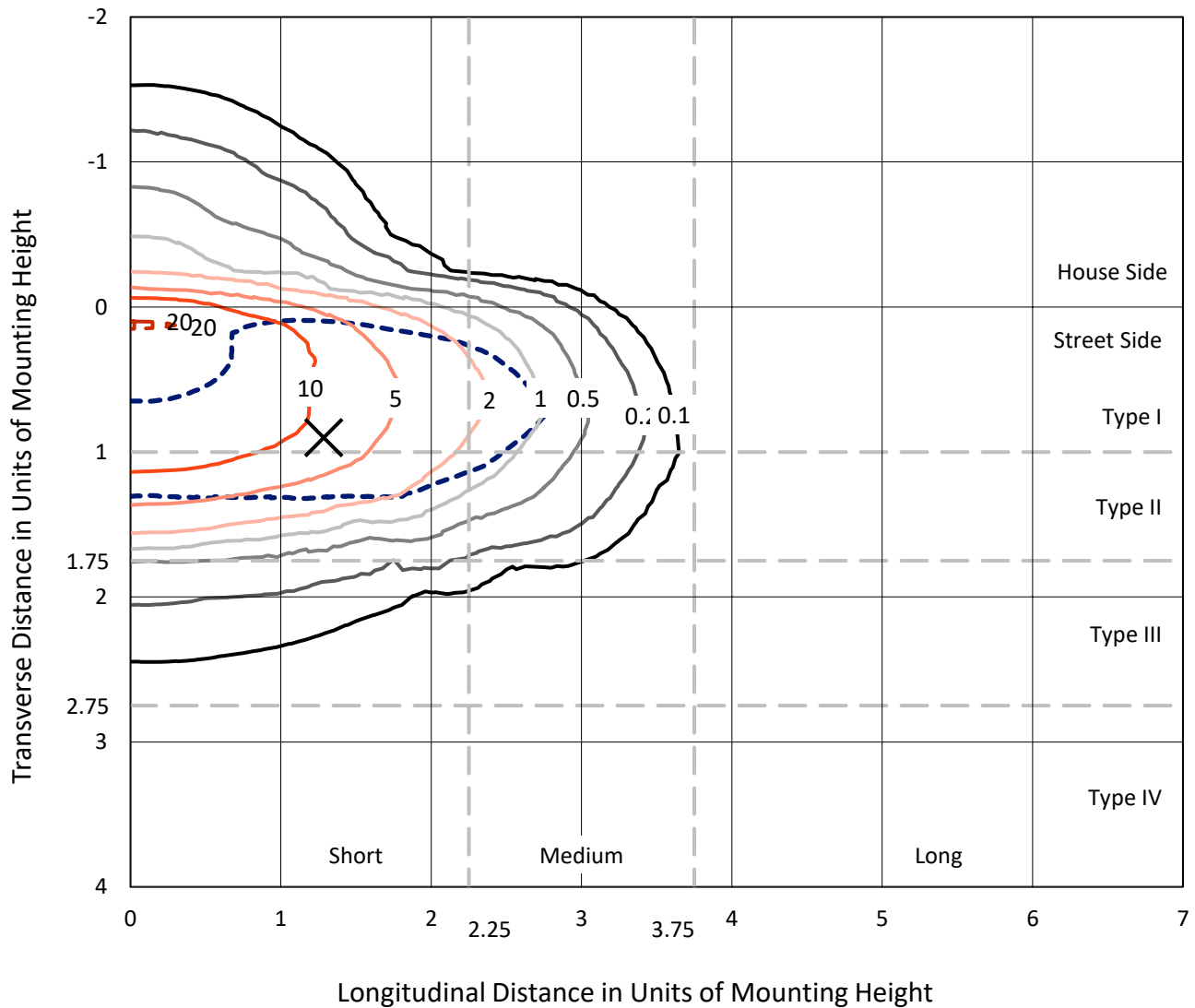


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

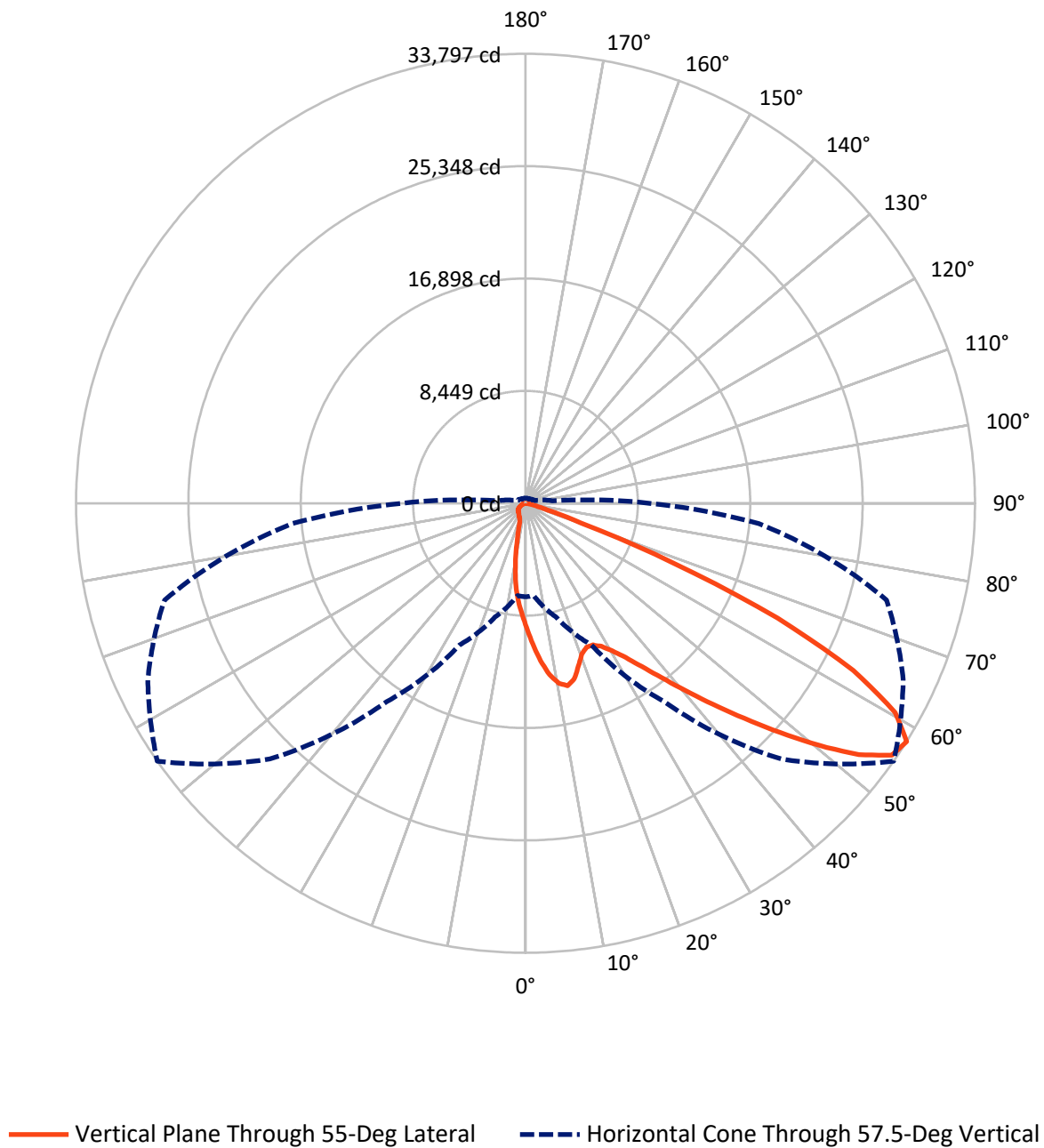


Based on 25 foot mounting height. Maximum calculated value = 21.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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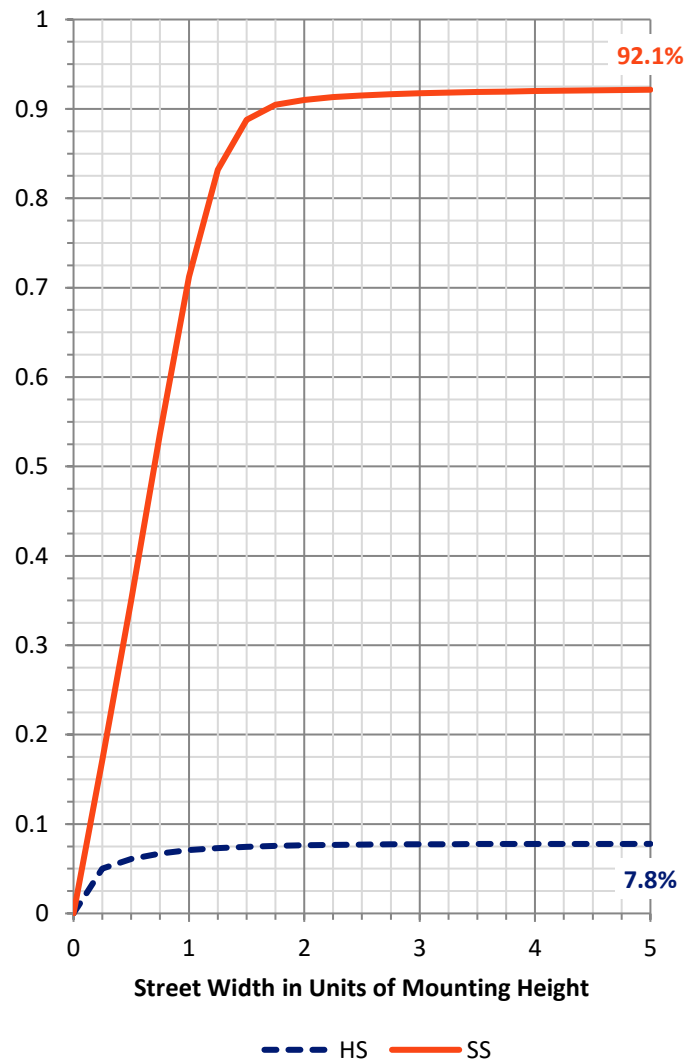
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3024.0	0.0	3024.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	35697.1	0.0	35697.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	38721.0	0.0	38721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.2	2.2
10°-20°	2097.1	5.4
20°-30°	3355.3	8.7
30°-40°	5679.1	14.7
40°-50°	9323.8	24.1
50°-60°	10247.6	26.5
60°-70°	5878.0	15.2
70°-80°	1201.0	3.1
80°-90°	70.8	0.2
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°	38721.0	100.0
0°-180°	38721.0	100.0

Coefficient of Utilization



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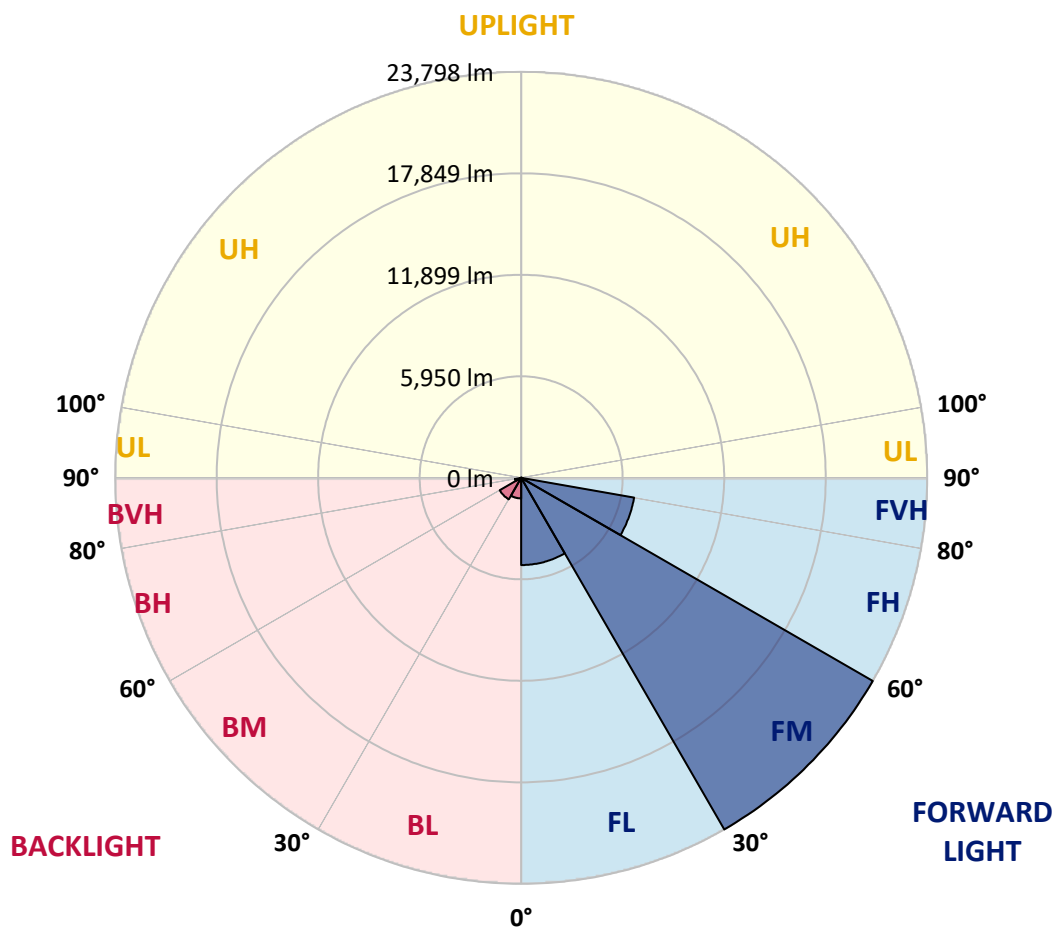
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5113.3	13.2			
FM	(30°-60°)	23798.2	61.5			
FH	(60°-80°)	6719.4	17.4			G3/7500
FVH	(80°-90°)	66.1	0.2			G1/100
BL	(0°-30°)	1207.2	3.1	B3/2500		
BM	(30°-60°)	1452.3	3.8	B2/2500		
BH	(60°-80°)	359.6	0.9	B1/500		G1/500
BVH	(80°-90°)	4.8	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8
2.5°	11577.6	11431.9	11410.4	11381.8	11104.8	10897.1	10596.2	10266.8	9896.7	9519.4	9352.3
5°	13375.4	13260.8	13239.3	13105.6	12790.5	12437.1	11902.3	11226.6	10536.6	9724.8	9376.2
7.5°	13724.0	13702.5	13800.4	13795.7	13752.7	13473.3	13022.1	12217.4	11181.2	9977.9	9438.2
10°	12169.7	12224.6	12515.9	12771.4	13461.4	13862.5	13764.6	13100.9	11845.0	10266.8	9507.5
12.5°	10753.8	10689.4	10897.1	11186.0	11988.2	13182.0	14072.6	13838.6	12604.2	10593.9	9610.2
15°	9865.6	9839.4	9956.4	10090.1	10701.3	11904.7	13714.5	14437.9	13334.8	10980.6	9765.4
17.5°	9581.5	9560.0	9595.8	9629.3	10025.6	10956.8	12862.1	14805.6	14034.4	11422.4	9937.3
20°	9813.1	9784.5	9779.7	9753.4	9918.2	10553.3	12090.9	14831.9	14662.4	11823.5	10085.3
22.5°	10488.8	10455.4	10338.4	10233.3	10247.7	10608.2	11747.1	14569.2	15135.1	12198.3	10178.4
25°	11713.6	11658.7	11415.2	11061.8	10837.4	10990.2	11799.6	14223.0	15586.4	12492.0	10133.0
27.5°	13246.5	13174.9	12862.1	12336.8	11823.5	11637.2	12179.2	13984.3	15961.2	12716.4	10035.2
30°	14748.3	14655.2	14347.2	13938.9	13189.2	12601.8	12864.5	14089.3	16407.7	12950.4	9906.2
32.5°	16369.5	16281.2	15872.9	15366.7	14745.9	13955.6	13802.8	14602.7	16954.5	13277.5	9815.5
35°	18420.5	18282.0	17701.8	17011.8	16352.8	15552.9	15073.0	15488.5	17682.7	13776.5	9865.6
37.5°	20755.6	20569.3	19943.8	18991.1	18131.6	17236.2	16620.2	16706.2	18750.0	14445.1	10020.8
40°	22956.9	22787.4	22209.6	21311.9	20232.7	19146.3	18489.7	18298.7	20223.1	15259.3	10293.0
42.5°	24277.3	24124.5	23880.9	23501.3	22591.6	21483.8	20655.3	20242.2	21966.1	16233.4	10624.9
45°	24351.3	24217.6	24544.7	24986.4	24807.3	24069.6	23059.6	22302.7	23716.2	17147.9	10968.7
47.5°	23167.0	23076.3	24069.6	25612.0	26380.8	26691.2	25760.0	24191.3	25160.7	17804.5	11109.6
50°	19939.0	19905.6	21949.4	24781.1	26980.1	28988.1	28608.4	25948.6	26280.5	18143.5	10975.9
52.5°	17288.7	17167.0	18358.4	22121.3	26108.6	30196.2	31392.4	27672.5	27063.6	18208.0	10663.1
55°	13112.8	13005.3	14500.0	17670.8	23298.4	29766.4	33429.0	29451.3	27624.7	18043.2	10102.0
57.5°	7033.9	6967.1	8855.7	11761.4	18212.7	27187.8	33796.7	31332.7	28097.5	17606.3	9316.5
60°	2738.6	2726.7	3433.4	5706.4	11069.0	22118.9	31941.5	32462.0	28393.5	17069.1	8659.9
62.5°	1657.0	1692.8	1807.4	2561.9	4889.8	13740.7	27665.3	31177.5	28591.7	16577.2	8117.9
65°	1370.5	1372.9	1387.2	1759.7	2342.3	5749.4	20827.2	26951.4	28102.3	15701.0	7349.1
67.5°	1174.7	1196.2	1251.1	1396.8	1652.2	2521.3	11990.6	20877.3	25124.9	13661.9	6150.5
70°	926.4	955.0	1024.3	1148.4	1275.0	1578.2	4431.4	13891.2	19194.1	10297.8	4651.1
72.5°	780.8	778.4	814.2	933.6	1012.3	1110.2	1704.8	7783.6	11154.9	4916.1	2301.7
75°	604.1	627.9	673.3	780.8	828.5	804.6	924.0	2843.7	3996.9	1489.9	783.1
77.5°	472.7	491.8	532.4	637.5	685.2	570.6	532.4	1017.1	1284.5	534.8	353.4
80°	212.5	229.2	362.9	470.4	558.7	394.0	288.9	520.5	570.6	243.5	179.1
82.5°	38.2	64.5	212.5	248.3	286.5	255.5	150.4	269.8	279.4	97.9	62.1
85°	2.4	4.8	74.0	90.7	114.6	83.6	45.4	107.4	93.1	33.4	23.9
87.5°	0.0	0.0	0.0	2.4	2.4	11.9	14.3	19.1	14.3	11.9	9.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8	9330.8
2.5°	9180.4	8841.3	8511.9	8242.1	8084.5	7817.1	7640.4	7611.7	7537.7	7602.2
5°	9003.7	8397.2	7783.6	7234.5	6783.2	6200.6	5766.1	5582.2	5422.3	5477.2
7.5°	8920.1	7962.7	7007.7	6069.3	5104.7	4173.6	3481.1	3192.2	2972.6	3003.6
10°	8807.9	7511.4	6014.4	4581.8	3290.1	2370.9	1893.4	1716.7	1618.8	1621.2
12.5°	8722.0	6971.8	4861.2	3106.3	2003.2	1513.7	1365.7	1322.7	1294.1	1296.5
15°	8679.0	6336.7	3722.3	2070.1	1432.6	1282.2	1246.3	1227.2	1208.1	1205.7
17.5°	8607.4	5630.0	2724.3	1511.4	1253.5	1201.0	1169.9	1148.4	1124.6	1119.8
20°	8499.9	4827.8	1991.3	1277.4	1174.7	1134.1	1091.1	1062.5	1033.8	1029.1
22.5°	8301.7	3980.2	1530.5	1181.9	1117.4	1072.0	1019.5	986.1	957.4	952.7
25°	7934.1	3185.1	1289.3	1122.2	1067.3	1012.3	955.0	909.7	883.4	878.6
27.5°	7468.5	2502.2	1169.9	1067.3	1002.8	952.7	888.2	845.2	821.3	816.6
30°	6919.3	1926.8	1100.7	1005.2	926.4	883.4	826.1	790.3	776.0	776.0
32.5°	6327.2	1540.0	1072.0	943.1	859.5	811.8	766.4	752.1	747.3	744.9
35°	5770.9	1337.1	1057.7	893.0	799.9	754.5	735.4	737.8	747.3	747.3
37.5°	5276.6	1272.6	1050.6	857.2	747.3	706.7	718.7	740.2	730.6	730.6
40°	4830.1	1279.8	1045.8	830.9	704.3	680.5	704.3	687.6	663.8	661.4
42.5°	4488.7	1339.5	1036.2	809.4	678.1	661.4	651.8	625.6	623.2	627.9
45°	4240.4	1392.0	1033.8	799.9	649.4	618.4	606.5	580.2	627.9	639.9
47.5°	3946.7	1392.0	1033.8	766.4	601.7	589.7	570.6	542.0	589.7	601.7
50°	3567.1	1303.6	993.2	728.2	563.5	556.3	522.9	487.1	477.5	484.7
52.5°	3087.2	1143.7	890.6	675.7	525.3	511.0	470.4	444.1	436.9	436.9
55°	2540.4	957.4	752.1	599.3	484.7	458.4	429.8	417.8	410.7	405.9
57.5°	2065.3	785.5	604.1	532.4	446.5	413.1	403.5	389.2	377.2	370.1
60°	1695.2	618.4	499.0	472.7	408.3	377.2	374.9	355.8	324.7	319.9
62.5°	1308.4	453.6	420.2	410.7	370.1	343.8	339.0	300.8	253.1	243.5
65°	924.0	353.4	339.0	360.5	329.5	305.6	293.7	236.4	186.2	179.1
67.5°	649.4	296.1	267.4	315.2	286.5	255.5	248.3	200.6	155.2	150.4
70°	463.2	241.1	219.7	269.8	229.2	224.4	210.1	167.1	126.5	121.8
72.5°	327.1	183.8	169.5	234.0	157.6	193.4	171.9	128.9	95.5	90.7
75°	241.1	131.3	119.4	136.1	114.6	145.6	121.8	86.0	59.7	57.3
77.5°	176.7	83.6	71.6	66.9	66.9	90.7	66.9	35.8	26.3	23.9
80°	124.2	38.2	33.4	28.7	26.3	21.5	9.6	4.8	2.4	2.4
82.5°	74.0	16.7	16.7	11.9	7.2	0.0	0.0	0.0	0.0	0.0
85°	16.7	7.2	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	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

(END OF REPORT)