

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: P533795

Luminaire Tested: **GALN-SA9B-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-730-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27421 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

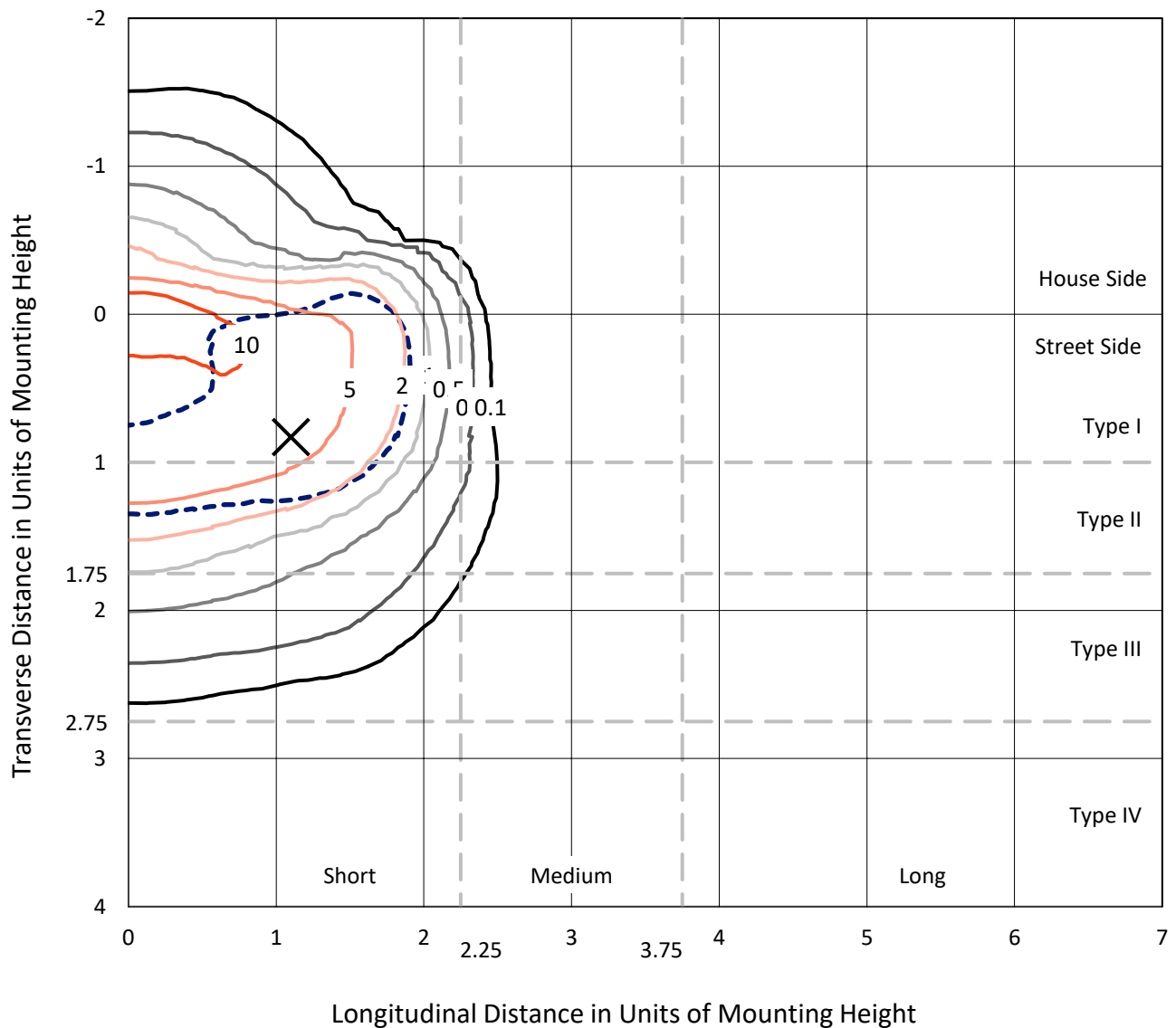
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533795
 CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

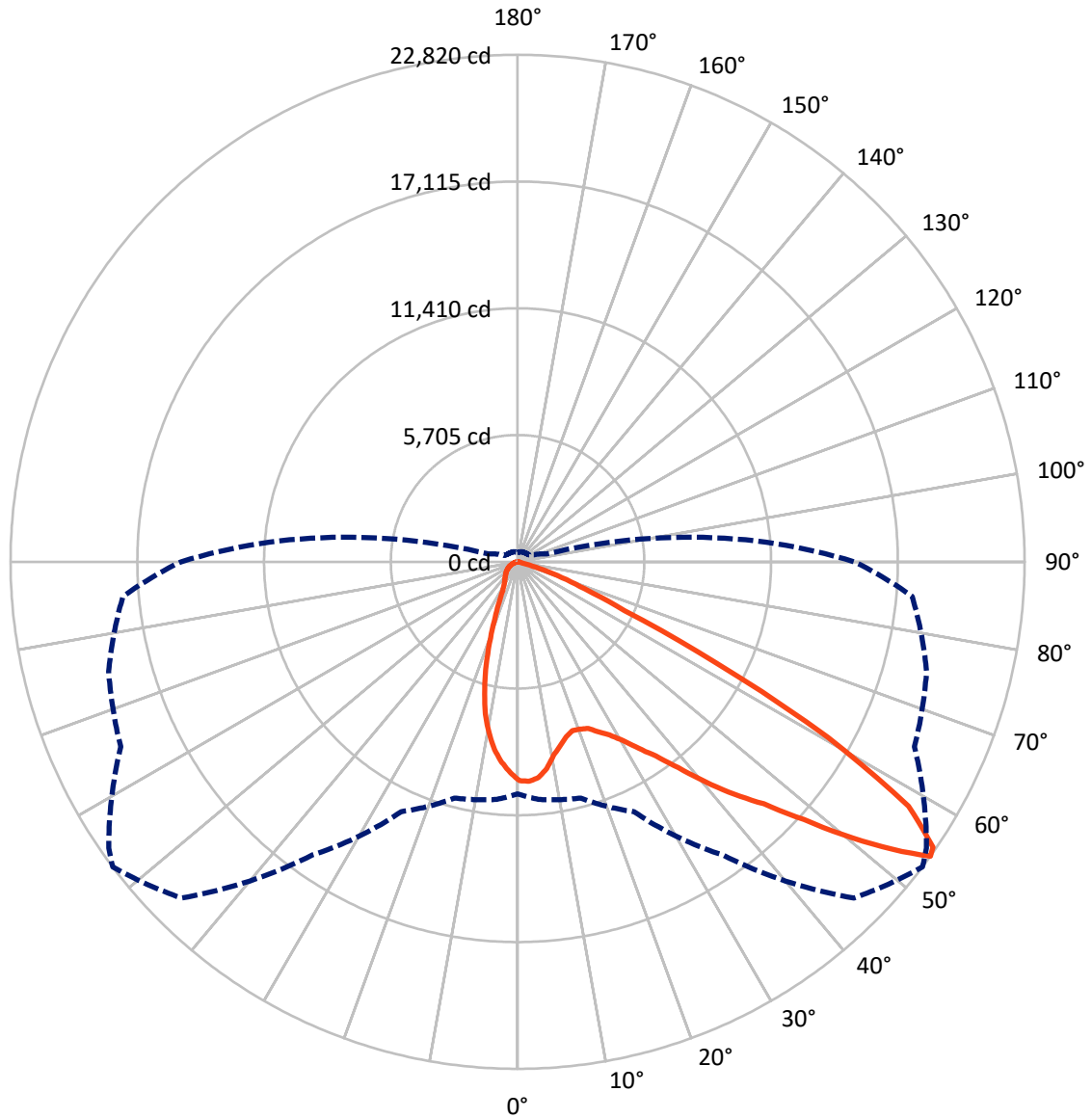
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type II - Short - N/A

REPORT NUMBER: P533795
CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P533795
 CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

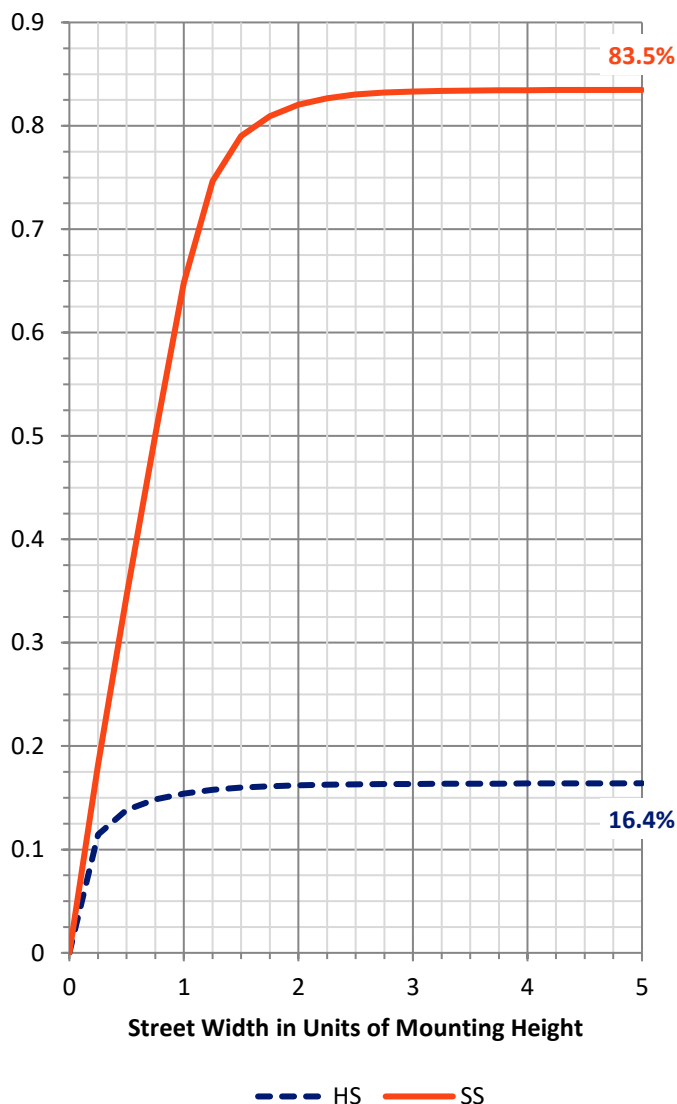
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4536.9	0.0	4536.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	22884.1	0.0	22884.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	27421.0	0.0	27421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.0	3.1
10°-20°	1937.4	7.1
20°-30°	2753.5	10.0
30°-40°	4249.3	15.5
40°-50°	6662.5	24.3
50°-60°	7739.5	28.2
60°-70°	2924.4	10.7
70°-80°	278.1	1.0
80°-90°	31.3	0.1
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°	27421.0	100.0
0°-180°	27421.0	100.0

Coefficient of Utilization

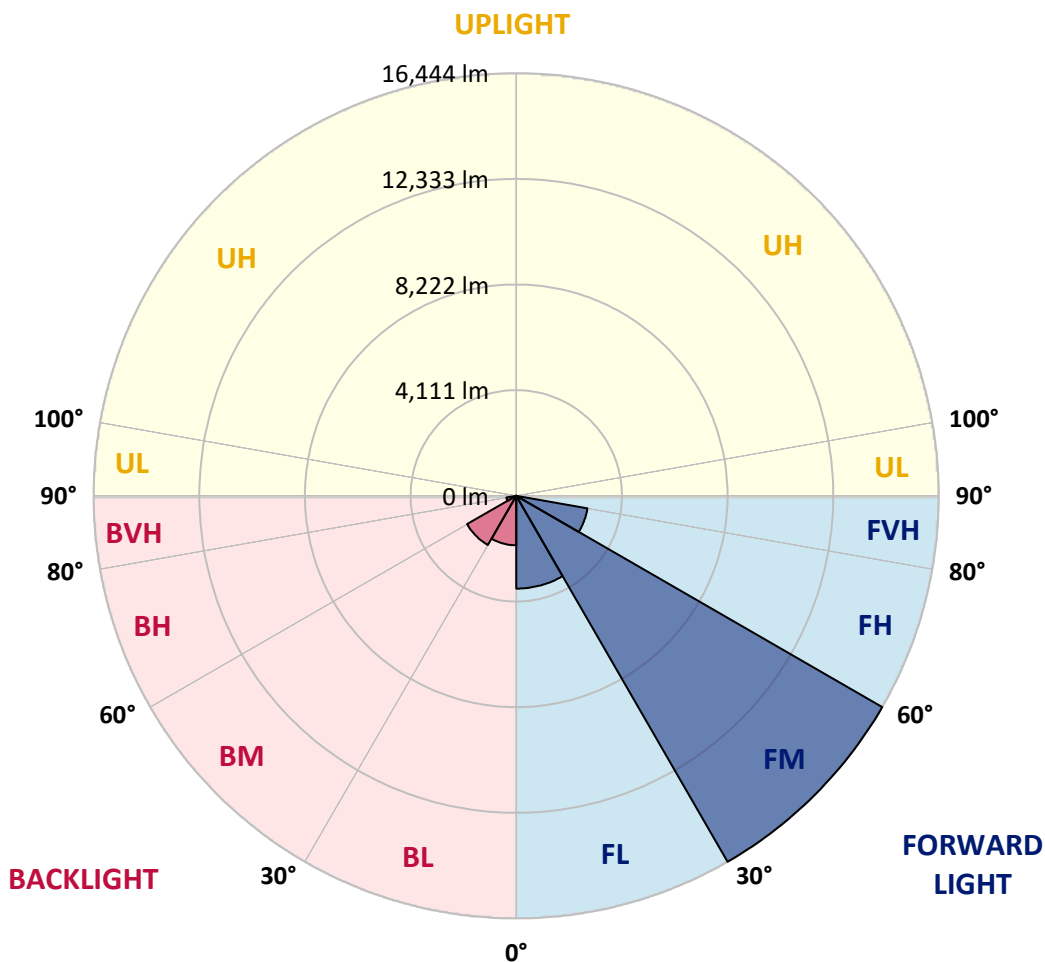


REPORT NUMBER: P533795
 CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3610.6	13.2			
FM (30°-60°)	16443.5	60.0			
FH (60°-80°)	2813.8	10.3			G2/5000
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	1925.3	7.0	B3/2500		
BM (30°-60°)	2207.8	8.1	B2/2500		
BH (60°-80°)	388.7	1.4	B1/500		G1/500
BVH (80°-90°)	15.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





REPORT NUMBER: P533795

CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2
2.5°	9798.1	9711.2	9798.1	9808.3	9869.6	9925.8	9890.0	9971.8	9925.8	9874.7	9859.4
5°	9006.3	9123.8	9128.9	9312.8	9271.9	9609.1	9757.2	9716.3	9966.7	9951.3	9915.6
7.5°	8296.2	8250.2	8311.5	8526.1	8796.8	9185.1	9399.6	9394.5	9752.1	10007.5	9982.0
10°	7637.2	7632.1	7759.8	7928.4	8158.3	8566.9	8863.2	9011.4	9568.2	9956.4	10012.6
12.5°	7192.7	7172.3	7310.2	7448.2	7810.9	8127.6	8505.6	8577.1	9215.7	9777.6	9869.6
15°	6901.6	6947.5	6957.8	7223.4	7453.3	7872.2	8168.5	8316.6	9052.2	9634.6	9987.1
17.5°	6850.5	6911.8	6916.9	7136.6	7381.8	7734.2	7994.8	8194.0	8914.3	9706.1	9992.2
20°	6952.6	6916.9	6947.5	7085.5	7325.6	7662.7	8040.8	8107.2	8868.3	9741.9	10048.4
22.5°	7243.8	7233.6	7157.0	7269.4	7438.0	7790.4	8148.0	8250.2	9001.2	9925.8	10094.4
25°	7565.7	7621.9	7550.3	7535.0	7652.5	7999.9	8475.0	8607.8	9445.6	10257.8	10237.4
27.5°	8168.5	8112.3	8112.3	8040.8	8010.1	8178.7	8827.5	9047.1	9941.1	10687.0	10400.9
30°	8745.7	8807.0	8761.1	8786.6	8582.3	8566.9	9328.1	9598.8	10819.8	11340.8	10748.3
32.5°	9660.1	9578.4	9655.0	9588.6	9317.9	9042.0	10007.5	10288.5	11882.3	12091.8	11269.3
35°	10421.3	10385.6	10712.5	10702.3	10262.9	9992.2	10727.8	11146.7	12623.1	12990.9	11882.3
37.5°	11504.3	11437.9	11810.8	11989.6	11596.3	11192.7	11759.7	12245.0	13312.7	13711.2	12510.7
40°	12618.0	12786.5	13287.2	13583.5	13164.6	12628.2	13021.5	13169.7	13772.5	14181.2	12939.8
42.5°	14027.9	14273.1	14784.0	15039.4	15003.6	14421.3	14303.8	14298.7	14104.5	14048.3	13256.5
45°	15381.7	15289.7	16076.4	16633.2	17082.8	16914.2	15540.0	15386.8	14630.7	14247.6	13338.3
47.5°	15974.2	15943.6	16480.0	17471.0	19003.6	19213.0	17338.2	16745.6	15519.6	15085.4	13782.7
50°	15208.0	15366.3	15897.6	16995.9	19345.8	20944.8	19545.1	18748.1	16556.6	16107.1	14835.0
52.5°	12704.8	12812.1	13317.8	14712.4	18181.1	21966.5	21660.0	21200.2	18462.1	17716.2	16669.0
54°	10446.9	10732.9	11008.8	12408.5	16107.1	21399.4	22819.6	22467.1	19703.4	19054.7	17823.5
55°	9098.2	9266.8	9466.0	10860.6	14671.6	20439.1	22686.8	22717.4	20536.1	19473.5	18600.0
57.5°	6646.1	6763.6	6559.3	7177.4	10073.9	16597.5	20750.7	21578.2	21660.0	20101.9	19075.1
60°	5077.8	5128.9	4899.0	4996.1	6263.0	11391.9	16050.9	17047.0	19540.0	17568.1	16158.1
62.5°	3938.6	3948.9	3943.8	4112.3	4316.7	6702.3	10038.2	10921.9	13471.1	12474.9	10973.0
65°	2901.6	2855.6	2937.4	3448.2	3683.2	4214.5	5287.3	5931.0	7320.5	6181.3	4418.8
67.5°	1879.9	1895.2	1977.0	2564.5	3157.0	3233.7	3254.1	3203.0	3208.1	1767.5	1108.5
70°	1129.0	1154.5	1129.0	1450.8	2258.0	2319.3	2120.0	2068.9	1614.3	418.9	413.8
72.5°	669.2	633.5	567.0	623.2	940.0	1123.9	1011.5	1006.4	633.5	245.2	245.2
75°	281.0	255.4	209.4	189.0	250.3	240.1	240.1	214.6	168.6	163.5	153.3
77.5°	56.2	56.2	40.9	46.0	61.3	71.5	86.8	86.8	102.2	102.2	97.1
80°	0.0	5.1	15.3	30.7	46.0	66.4	76.6	76.6	86.8	86.8	71.5
82.5°	0.0	5.1	15.3	30.7	40.9	61.3	76.6	76.6	86.8	92.0	76.6
85°	0.0	5.1	15.3	25.5	40.9	51.1	51.1	46.0	35.8	30.7	20.4
87.5°	0.0	0.0	5.1	10.2	5.1	10.2	10.2	10.2	10.2	10.2	10.2
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: P533795

CATALOG NUMBER: GALN-SA9B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2	9849.2
2.5°	9895.1	9890.0	9767.4	9568.2	9522.2	9353.6	9333.2	9231.0	9287.2	9098.2	9077.8
5°	9813.4	9752.1	9604.0	9476.2	9103.3	8837.7	8628.2	8372.8	8224.7	8250.2	8153.1
7.5°	9930.9	9772.5	9512.0	9067.6	8612.9	8148.0	7897.7	7376.7	7187.6	6906.7	6865.8
10°	9808.3	9690.8	9287.2	8551.6	7923.3	7254.1	6666.6	6089.3	5650.0	5461.0	5420.1
12.5°	9798.1	9593.7	8919.4	8102.1	7192.7	6232.4	5379.2	4658.9	4224.7	3979.5	3923.3
15°	9639.7	9394.5	8505.6	7407.3	6150.6	4955.2	4025.5	3330.7	2998.7	2855.6	2896.5
17.5°	9655.0	9287.2	8091.8	6671.7	5123.8	3637.2	2748.4	2390.8	2303.9	2339.7	2339.7
20°	9639.7	9047.1	7591.2	5823.7	3923.3	2523.6	2017.9	1890.1	1946.3	2058.7	2033.2
22.5°	9558.0	8934.7	7131.4	4929.7	2886.3	1869.7	1619.4	1624.5	1711.3	1849.3	1879.9
25°	9619.3	8684.4	6549.1	4025.5	2104.7	1491.7	1404.8	1440.6	1532.5	1634.7	1655.1
27.5°	9573.3	8505.6	5941.2	3126.4	1537.7	1282.2	1277.1	1318.0	1358.9	1435.5	1435.5
30°	9624.4	8342.2	5343.5	2324.4	1266.9	1175.0	1154.5	1185.2	1226.0	1241.4	1236.3
32.5°	9813.4	8219.6	4653.8	1736.9	1118.8	1072.8	1072.8	1072.8	1067.7	1088.1	1093.2
35°	10227.2	8240.0	4045.9	1343.5	1021.7	985.9	970.6	950.2	940.0	950.2	955.3
37.5°	10676.7	8229.8	3417.6	1144.3	950.2	919.5	883.8	853.1	848.0	858.2	842.9
40°	10876.0	8326.8	2835.2	1026.8	883.8	848.0	791.8	766.3	771.4	781.6	771.4
42.5°	11146.7	8357.5	2457.2	934.9	822.5	766.3	730.5	699.9	694.8	710.1	705.0
45°	11141.6	8183.8	2058.7	883.8	766.3	705.0	659.0	633.5	633.5	643.7	648.8
47.5°	11468.6	8158.3	1767.5	837.8	725.4	664.1	607.9	587.5	582.4	582.4	572.2
50°	12229.7	8515.8	1542.8	786.7	674.3	618.1	572.2	546.6	526.2	516.0	510.8
52.5°	13716.3	9629.5	1369.1	725.4	618.1	572.2	531.3	510.8	485.3	459.8	454.7
54°	15156.9	10778.9	1358.9	674.3	572.2	541.5	505.7	495.5	464.9	429.1	418.9
55°	15805.7	11448.1	1394.6	633.5	541.5	521.1	490.4	480.2	449.5	408.7	403.6
57.5°	16342.0	11708.6	1374.2	526.2	490.4	485.3	459.8	444.4	408.7	352.5	342.3
60°	13154.4	8853.0	985.9	464.9	449.5	439.3	418.9	408.7	362.7	301.4	296.3
62.5°	8311.5	5093.2	628.3	408.7	393.4	378.0	352.5	342.3	301.4	240.1	224.8
65°	3540.2	2109.8	424.0	362.7	337.2	311.6	291.2	275.9	240.1	178.8	173.7
67.5°	919.5	750.9	352.5	316.7	281.0	245.2	229.9	204.3	163.5	122.6	117.5
70°	413.8	378.0	296.3	265.6	224.8	189.0	168.6	143.0	107.3	81.7	76.6
72.5°	245.2	240.1	224.8	199.2	168.6	143.0	122.6	97.1	71.5	46.0	46.0
75°	153.3	148.1	153.3	137.9	117.5	107.3	92.0	66.4	40.9	20.4	20.4
77.5°	92.0	92.0	92.0	86.8	81.7	81.7	66.4	40.9	20.4	5.1	5.1
80°	71.5	71.5	76.6	71.5	71.5	71.5	56.2	30.7	10.2	0.0	0.0
82.5°	71.5	76.6	86.8	81.7	71.5	61.3	51.1	30.7	10.2	0.0	0.0
85°	20.4	15.3	25.5	35.8	51.1	46.0	35.8	25.5	10.2	0.0	0.0
87.5°	10.2	10.2	10.2	10.2	5.1	5.1	5.1	5.1	5.1	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)