

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: P533067

Luminaire Tested: **GALN-SA8C-727-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533067
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-SA8C-727-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA 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: 27712 lumens
Efficiency: N/A
Efficacy: 64.6 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

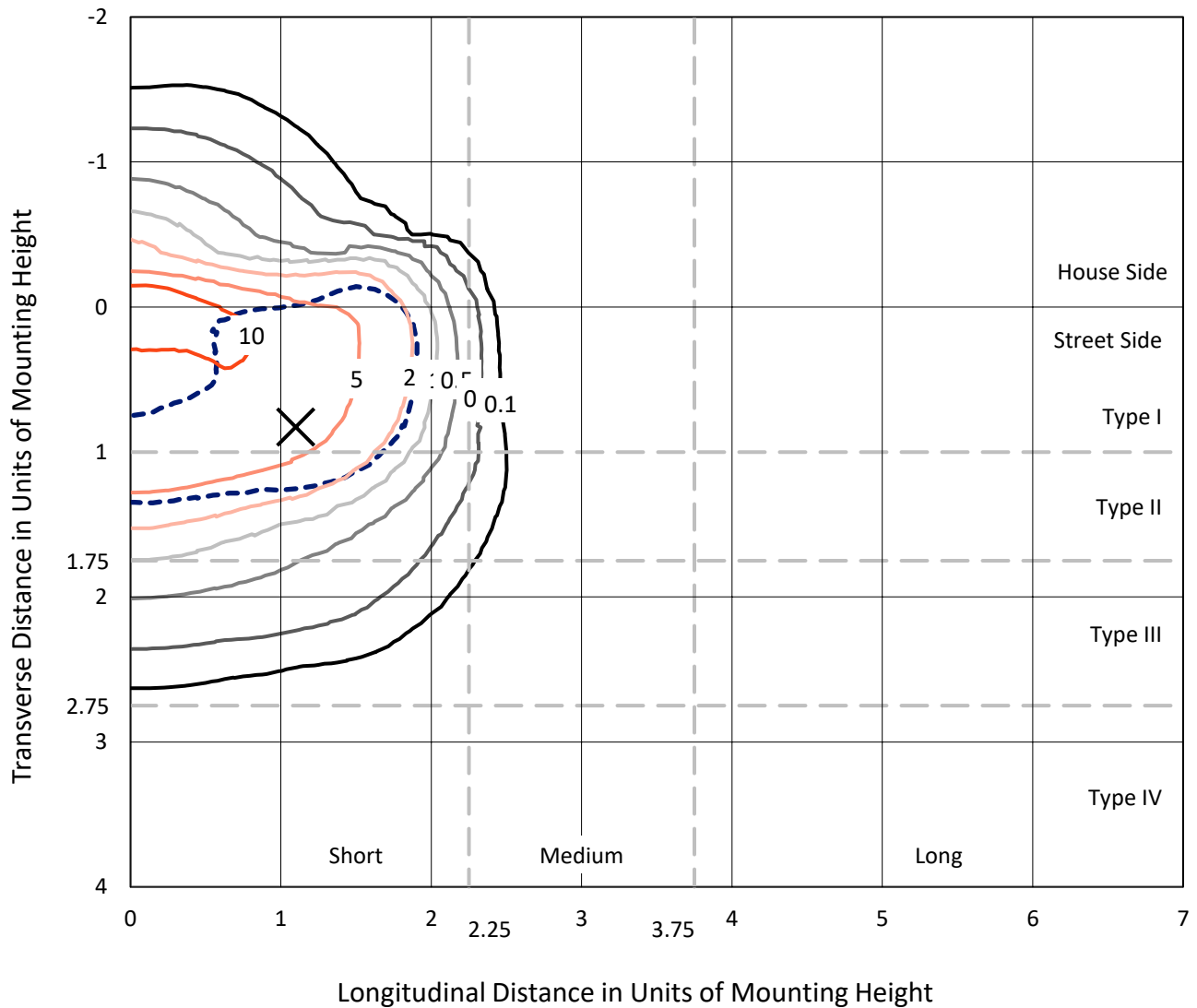
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533067
 CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

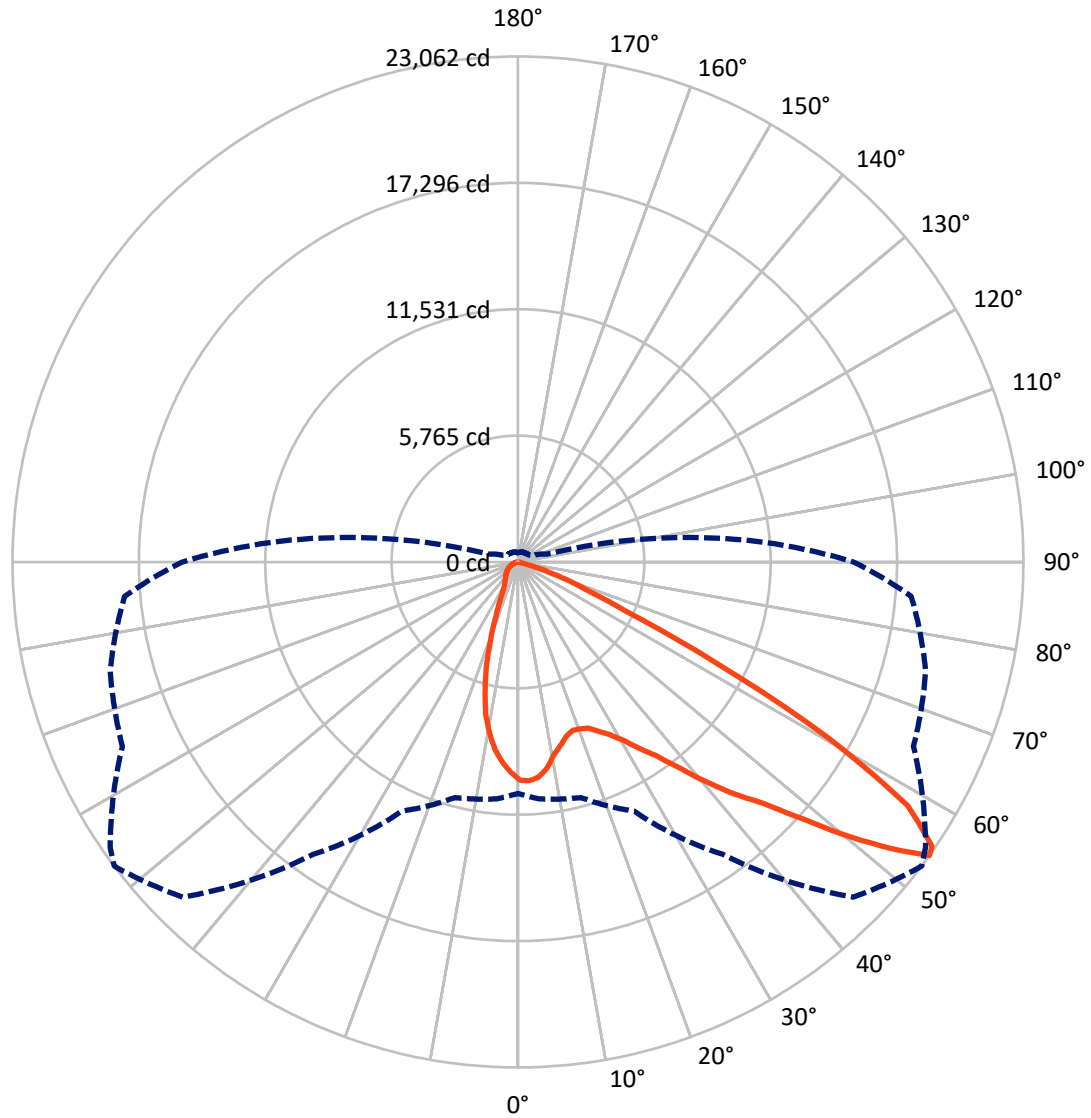
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Short - N/A

REPORT NUMBER: P533067
CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P533067
 CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

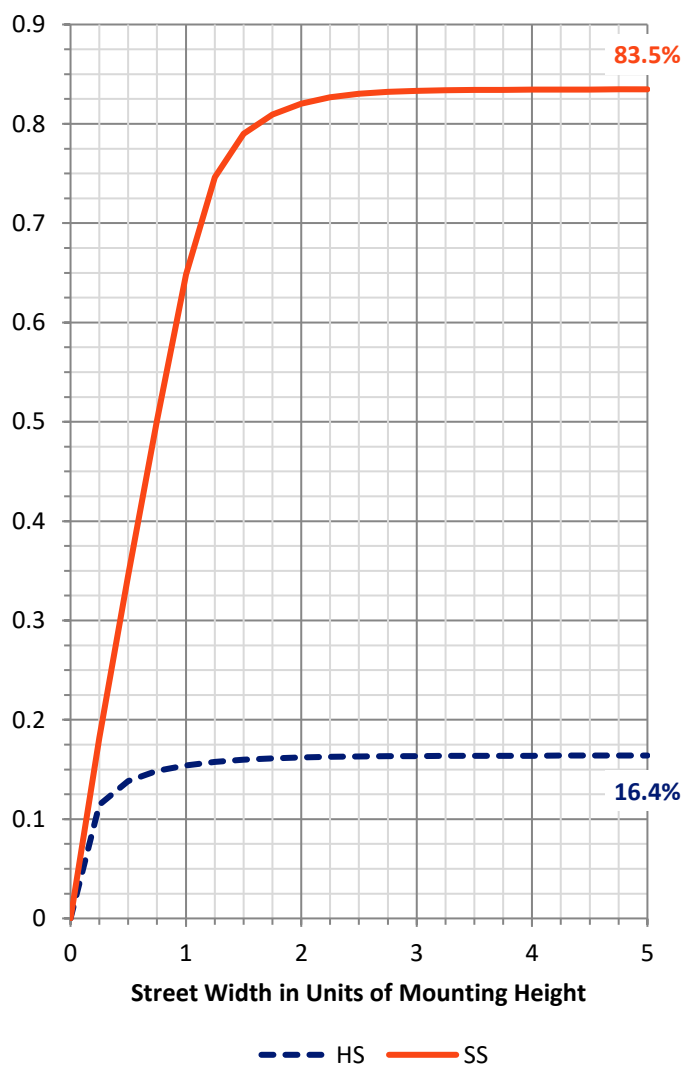
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4585.0	0.0	4585.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	23127.0	0.0	23127.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	27712.0	0.0	27712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.0	3.1
10°-20°	1958.0	7.1
20°-30°	2782.7	10.0
30°-40°	4294.4	15.5
40°-50°	6733.2	24.3
50°-60°	7821.6	28.2
60°-70°	2955.5	10.7
70°-80°	281.0	1.0
80°-90°	31.6	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°	27712.0	100.0
0°-180°	27712.0	100.0

Coefficient of Utilization

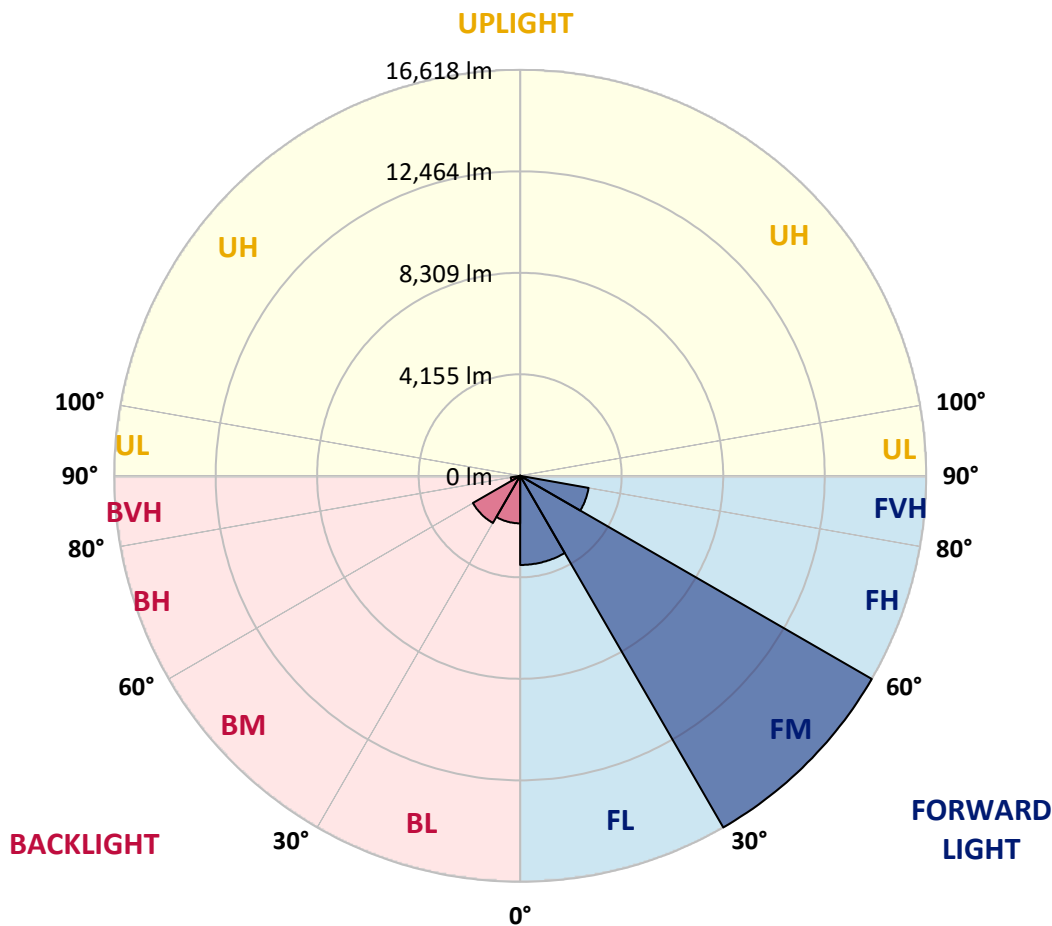


REPORT NUMBER: P533067
 CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3648.9	13.2			
FM (30°-60°)	16618.0	60.0			
FH (60°-80°)	2843.7	10.3			G2/5000
FVH (80°-90°)	16.3	0.1			G1/100
BL (0°-30°)	1945.7	7.0	B3/2500		
BM (30°-60°)	2231.2	8.1	B2/2500		
BH (60°-80°)	392.8	1.4	B1/500		G1/500
BVH (80°-90°)	15.3	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: P533067

CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7
2.5°	9902.1	9814.3	9902.1	9912.4	9974.3	10031.1	9995.0	10077.6	10031.1	9979.5	9964.0
5°	9101.8	9220.6	9225.7	9411.6	9370.3	9711.0	9860.8	9819.5	10072.4	10056.9	10020.8
7.5°	8384.2	8337.8	8399.7	8616.5	8890.2	9282.5	9499.4	9494.2	9855.6	10113.7	10087.9
10°	7718.2	7713.1	7842.1	8012.5	8244.8	8657.8	8957.3	9107.0	9669.7	10062.1	10118.9
12.5°	7269.1	7248.4	7387.8	7527.2	7893.8	8213.9	8595.9	8668.2	9313.5	9881.4	9974.3
15°	6974.8	7021.3	7031.6	7300.1	7532.4	7955.7	8255.2	8404.9	9148.3	9736.8	10093.1
17.5°	6923.2	6985.1	6990.3	7212.3	7460.1	7816.3	8079.6	8281.0	9008.9	9809.1	10098.2
20°	7026.4	6990.3	7021.3	7160.7	7403.3	7744.0	8126.1	8193.2	8962.4	9845.3	10155.0
22.5°	7320.7	7310.4	7232.9	7346.5	7516.9	7873.1	8234.5	8337.8	9096.7	10031.1	10201.5
25°	7646.0	7702.7	7630.5	7615.0	7733.7	8084.8	8564.9	8699.1	9545.8	10366.7	10346.0
27.5°	8255.2	8198.4	8198.4	8126.1	8095.1	8265.5	8921.1	9143.1	10046.6	10800.4	10511.3
30°	8838.5	8900.5	8854.0	8879.8	8673.3	8657.8	9427.1	9700.7	10934.6	11461.2	10862.3
32.5°	9762.7	9680.1	9757.5	9690.4	9416.8	9138.0	10113.7	10397.7	12008.4	12220.1	11388.9
35°	10531.9	10495.8	10826.2	10815.9	10371.9	10098.2	10841.7	11265.0	12757.0	13128.7	12008.4
37.5°	11626.4	11559.3	11936.2	12116.9	11719.3	11311.5	11884.5	12375.0	13454.0	13856.7	12643.4
40°	12751.9	12922.2	13428.2	13727.6	13304.3	12762.2	13159.7	13309.4	13918.6	14331.7	13077.1
42.5°	14176.8	14424.6	14940.9	15199.0	15162.8	14574.3	14455.6	14450.4	14254.2	14197.4	13397.2
45°	15544.9	15452.0	16247.0	16809.7	17264.1	17093.7	15704.9	15550.0	14786.0	14398.8	13479.8
47.5°	16143.8	16112.8	16654.9	17656.4	19205.2	19416.9	17522.2	16923.3	15684.3	15245.4	13929.0
50°	15369.4	15529.4	16066.3	17176.3	19551.1	21167.1	19752.5	18947.1	16732.3	16278.0	14992.5
52.5°	12839.6	12948.0	13459.2	14868.6	18374.0	22199.6	21889.8	21425.2	18658.0	17904.2	16845.9
54°	10557.7	10846.8	11125.6	12540.2	16278.0	21626.5	23061.8	22705.5	19912.5	19256.9	18012.7
55°	9194.8	9365.1	9566.5	10975.9	14827.3	20656.0	22927.5	22958.5	20754.0	19680.2	18797.4
57.5°	6716.7	6835.4	6628.9	7253.6	10180.8	16773.6	20970.9	21807.2	21889.8	20315.2	19277.5
60°	5131.7	5183.3	4951.0	5049.1	6329.5	11512.8	16221.2	17227.9	19747.3	17754.5	16329.6
62.5°	3980.4	3990.8	3985.6	4156.0	4362.5	6773.5	10144.7	11037.8	13614.0	12607.3	11089.5
65°	2932.4	2885.9	2968.6	3484.8	3722.3	4259.2	5343.4	5993.9	7398.1	6246.9	4465.7
67.5°	1899.9	1915.4	1998.0	2591.7	3190.5	3268.0	3288.6	3237.0	3242.2	1786.3	1120.3
70°	1141.0	1166.8	1141.0	1466.2	2281.9	2343.9	2142.5	2090.9	1631.4	423.3	418.2
72.5°	676.3	640.2	573.1	629.8	949.9	1135.8	1022.2	1017.1	640.2	247.8	247.8
75°	283.9	258.1	211.7	191.0	253.0	242.6	242.6	216.8	170.4	165.2	154.9
77.5°	56.8	56.8	41.3	46.5	62.0	72.3	87.8	87.8	103.3	103.3	98.1
80°	0.0	5.2	15.5	31.0	46.5	67.1	77.4	77.4	87.8	87.8	72.3
82.5°	0.0	5.2	15.5	31.0	41.3	62.0	77.4	77.4	87.8	92.9	77.4
85°	0.0	5.2	15.5	25.8	41.3	51.6	51.6	46.5	36.1	31.0	20.7
87.5°	0.0	0.0	5.2	10.3	5.2	10.3	10.3	10.3	10.3	10.3	10.3
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: P533067

CATALOG NUMBER: GALN-SA8C-727-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7	9953.7
2.5°	10000.1	9995.0	9871.1	9669.7	9623.3	9452.9	9432.3	9329.0	9385.8	9194.8	9174.1
5°	9917.5	9855.6	9705.9	9576.8	9199.9	8931.5	8719.8	8461.7	8311.9	8337.8	8239.7
7.5°	10036.3	9876.2	9612.9	9163.8	8704.3	8234.5	7981.5	7454.9	7263.9	6980.0	6938.7
10°	9912.4	9793.6	9385.8	8642.4	8007.3	7331.0	6737.3	6153.9	5709.9	5518.9	5477.6
12.5°	9902.1	9695.5	9014.1	8188.0	7269.1	6298.5	5436.3	4708.4	4269.6	4021.7	3965.0
15°	9742.0	9494.2	8595.9	7485.9	6215.9	5007.8	4068.2	3366.1	3030.5	2885.9	2927.3
17.5°	9757.5	9385.8	8177.7	6742.5	5178.2	3675.8	2777.5	2416.1	2328.4	2364.5	2364.5
20°	9742.0	9143.1	7671.8	5885.5	3965.0	2550.4	2039.3	1910.2	1967.0	2080.6	2054.8
22.5°	9659.4	9029.6	7207.1	4982.0	2916.9	1889.5	1636.6	1641.7	1729.5	1868.9	1899.9
25°	9721.4	8776.6	6618.6	4068.2	2127.0	1507.5	1419.7	1455.9	1548.8	1652.1	1672.7
27.5°	9674.9	8595.9	6004.2	3159.6	1554.0	1295.8	1290.7	1332.0	1373.3	1450.7	1450.7
30°	9726.5	8430.7	5400.2	2349.0	1280.3	1187.4	1166.8	1197.7	1239.0	1254.5	1249.4
32.5°	9917.5	8306.8	4703.2	1755.3	1130.6	1084.2	1084.2	1084.2	1079.0	1099.7	1104.8
35°	10335.7	8327.4	4088.9	1357.8	1032.5	996.4	980.9	960.3	949.9	960.3	965.4
37.5°	10790.0	8317.1	3453.8	1156.4	960.3	929.3	893.1	862.2	857.0	867.3	851.8
40°	10991.4	8415.2	2865.3	1037.7	893.1	857.0	800.2	774.4	779.6	789.9	779.6
42.5°	11265.0	8446.2	2483.3	944.8	831.2	774.4	738.3	707.3	702.1	717.6	712.5
45°	11259.8	8270.6	2080.6	893.1	774.4	712.5	666.0	640.2	640.2	650.5	655.7
47.5°	11590.3	8244.8	1786.3	846.7	733.1	671.2	614.4	593.7	588.5	588.5	578.2
50°	12359.5	8606.2	1559.1	795.1	681.5	624.7	578.2	552.4	531.8	521.4	516.3
52.5°	13861.8	9731.7	1383.6	733.1	624.7	578.2	536.9	516.3	490.5	464.6	459.5
54°	15317.7	10893.3	1373.3	681.5	578.2	547.2	511.1	500.8	469.8	433.7	423.3
55°	15973.4	11569.6	1409.4	640.2	547.2	526.6	495.6	485.3	454.3	413.0	407.9
57.5°	16515.5	11832.9	1388.8	531.8	495.6	490.5	464.6	449.2	413.0	356.2	345.9
60°	13293.9	8947.0	996.4	469.8	454.3	444.0	423.3	413.0	366.6	304.6	299.4
62.5°	8399.7	5147.2	635.0	413.0	397.5	382.0	356.2	345.9	304.6	242.6	227.2
65°	3577.8	2132.2	428.5	366.6	340.7	314.9	294.3	278.8	242.6	180.7	175.5
67.5°	929.3	758.9	356.2	320.1	283.9	247.8	232.3	206.5	165.2	123.9	118.7
70°	418.2	382.0	299.4	268.5	227.2	191.0	170.4	144.6	108.4	82.6	77.4
72.5°	247.8	242.6	227.2	201.3	170.4	144.6	123.9	98.1	72.3	46.5	46.5
75°	154.9	149.7	154.9	139.4	118.7	108.4	92.9	67.1	41.3	20.7	20.7
77.5°	92.9	92.9	92.9	87.8	82.6	82.6	67.1	41.3	20.7	5.2	5.2
80°	72.3	72.3	77.4	72.3	72.3	72.3	56.8	31.0	10.3	0.0	0.0
82.5°	72.3	77.4	87.8	82.6	72.3	62.0	51.6	31.0	10.3	0.0	0.0
85°	20.7	15.5	25.8	36.1	51.6	46.5	36.1	25.8	10.3	0.0	0.0
87.5°	10.3	10.3	10.3	10.3	5.2	5.2	5.2	5.2	5.2	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)