

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: P532159

Luminaire Tested: **GALN-SA7C-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26080 lumens
Efficiency: N/A
Efficacy: 69.2 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

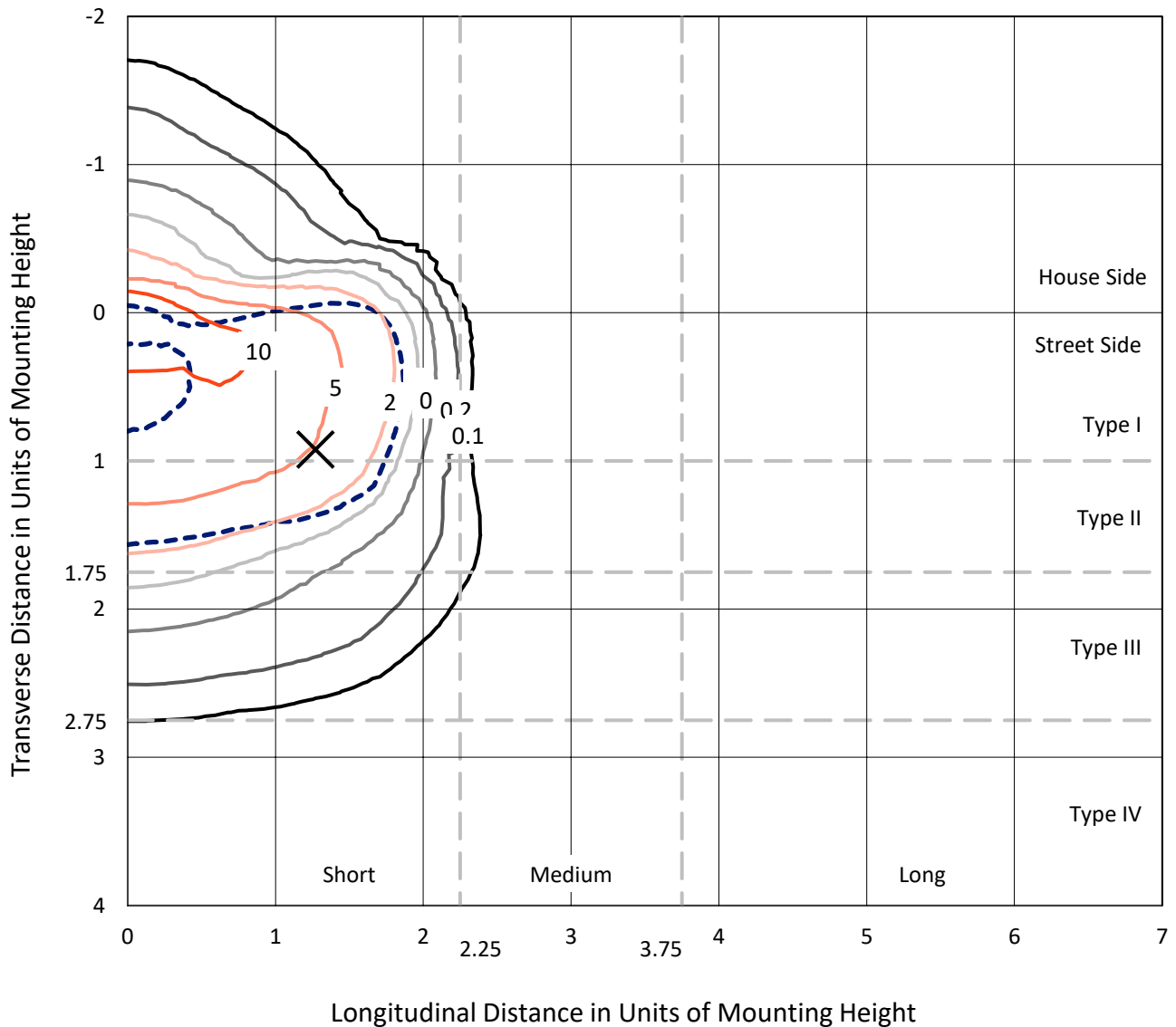
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532159
 CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

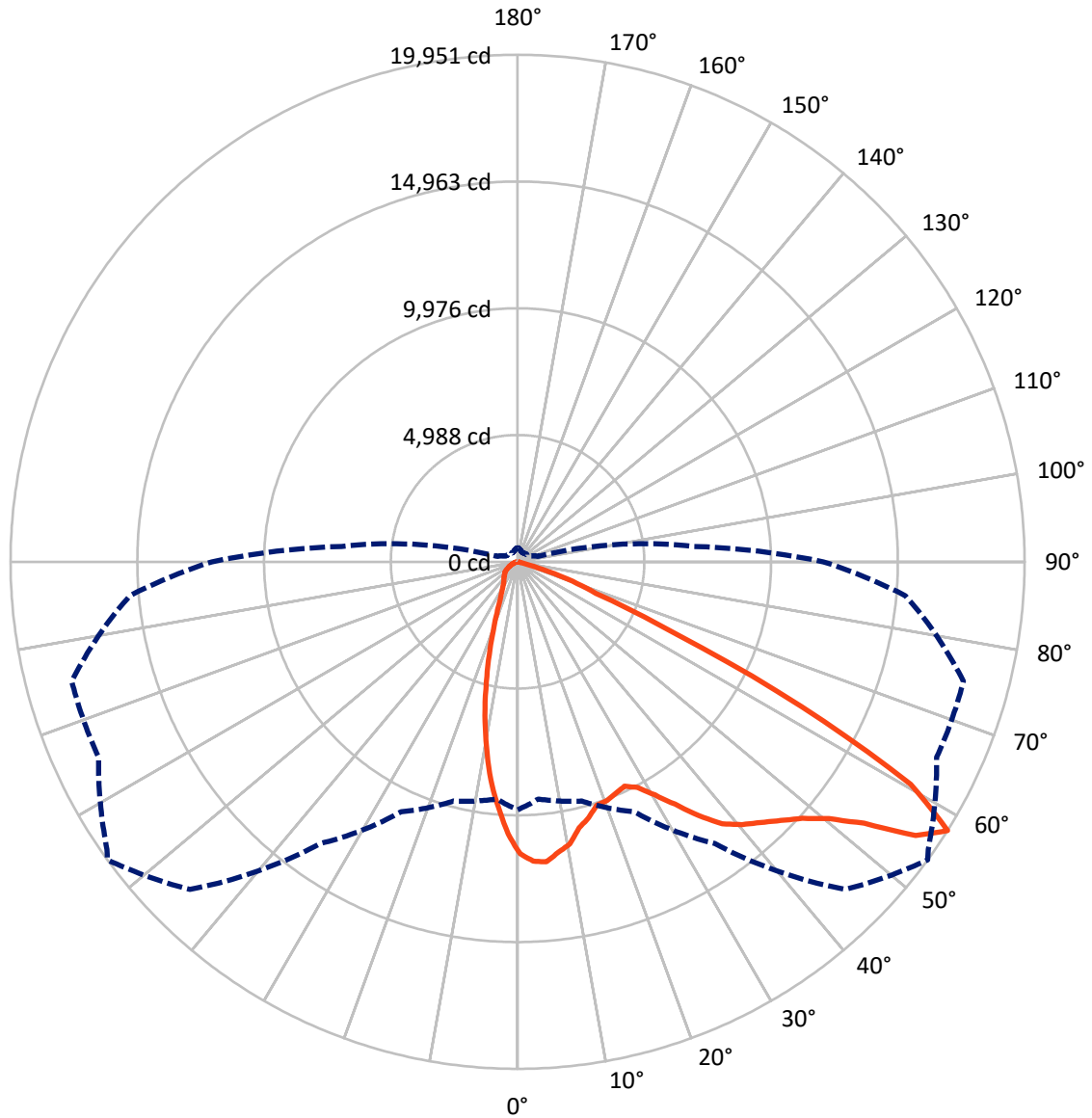
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Short - N/A

REPORT NUMBER: P532159
CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P532159
 CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3685.5	0.0	3685.5
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	22394.4	0.0	22394.4
	% Fixture	85.9	0.0	85.9
Total	Lumens	26080.0	0.0	26080.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.4	3.7
10°-20°	2052.5	7.9
20°-30°	2720.0	10.4
30°-40°	3953.0	15.2
40°-50°	5861.7	22.5
50°-60°	7329.8	28.1
60°-70°	2891.3	11.1
70°-80°	287.9	1.1
80°-90°	22.4	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°	26080.0	100.0
0°-180°	26080.0	100.0



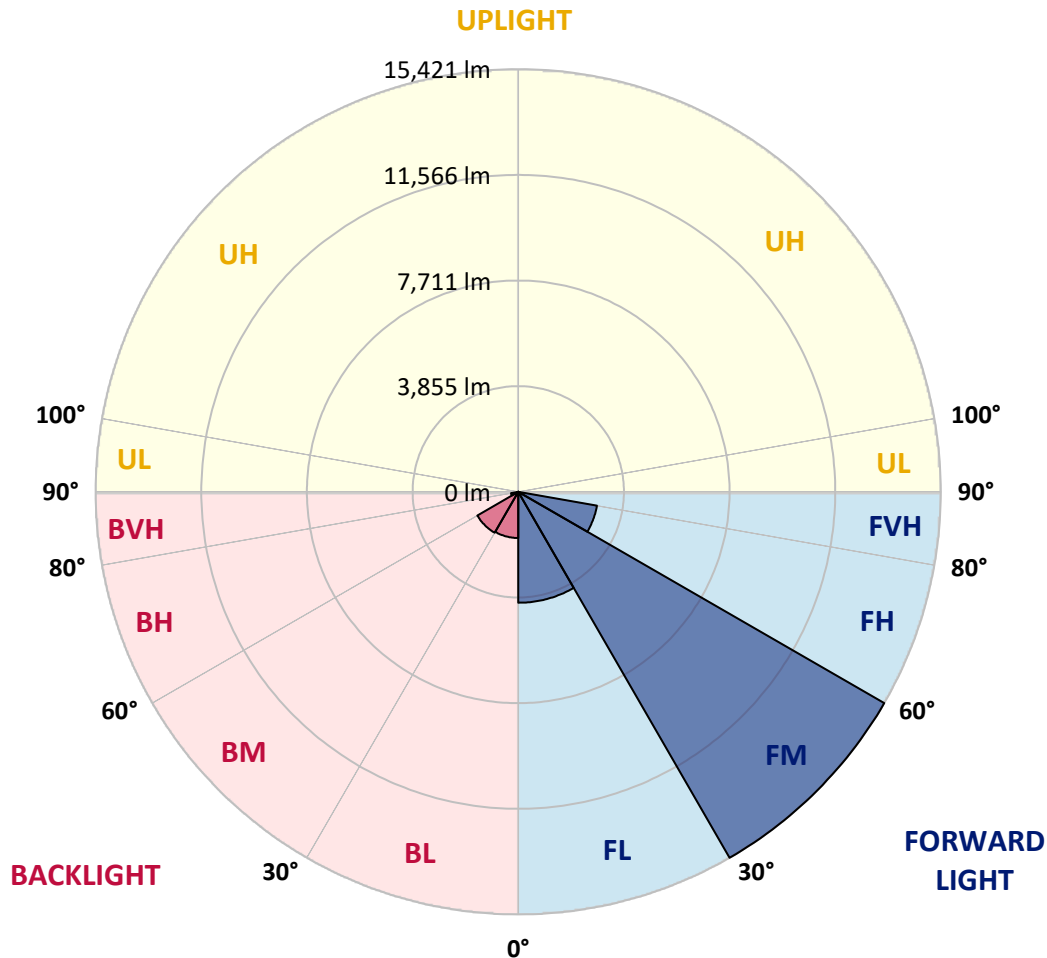
REPORT NUMBER: P532159
 CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4048.4	15.5			
FM (30°-60°)	15421.0	59.1			
FH (60°-80°)	2914.9	11.2			G2/5000
FVH (80°-90°)	10.2	0.0			G1/100
BL (0°-30°)	1685.6	6.5	B3/2500		
BM (30°-60°)	1723.5	6.6	B2/2500		
BH (60°-80°)	264.3	1.0	B1/500		G1/500
BVH (80°-90°)	12.2	0.0			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: P532159

CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6
2.5°	12157.8	12031.7	12041.4	11997.8	11939.6	11983.2	11794.1	11837.8	11832.9	11575.9	11406.1
5°	11852.3	11988.1	11847.5	11963.8	11852.3	11973.5	11857.2	11769.9	11629.2	11440.1	11124.9
7.5°	11333.4	11202.5	11241.3	11386.8	11411.0	11682.6	11537.1	11648.6	11590.4	11217.0	10785.4
10°	10290.8	10261.7	10455.6	10649.6	10887.2	11178.2	11289.8	11226.7	11183.1	11042.4	10465.3
12.5°	9490.6	9573.0	9568.2	9888.2	10290.8	10455.6	10746.6	10736.9	10979.4	10717.5	10164.7
15°	8729.2	8772.8	8976.5	9175.4	9621.5	10091.9	10450.8	10499.3	10790.3	10606.0	9931.9
17.5°	8263.6	8200.6	8360.6	8598.3	9054.1	9670.0	10067.7	10184.1	10581.7	10542.9	9665.2
20°	7802.9	7802.9	7933.9	8215.1	8632.2	9325.7	10033.7	9999.8	10581.7	10470.2	9379.0
22.5°	7647.7	7725.3	7759.3	7972.7	8467.3	9063.8	9888.2	9951.3	10664.2	10436.2	9252.9
25°	7861.1	7759.3	7769.0	7938.7	8404.3	8937.7	9781.5	9922.2	10814.5	10606.0	9151.1
27.5°	7895.1	7996.9	8026.0	8142.4	8452.8	8976.5	10048.3	10334.4	11187.9	11003.6	9180.2
30°	8190.9	8292.7	8287.9	8486.7	8700.1	9291.7	10644.8	10703.0	11959.0	11503.1	9359.6
32.5°	8549.8	8656.5	8690.4	8923.2	9092.9	9868.8	11372.2	11522.5	12701.0	12288.8	9830.0
35°	8995.9	8957.1	9112.3	9345.1	9708.8	10712.7	12259.7	12511.8	13501.2	13307.2	10315.0
37.5°	9553.6	9505.1	9655.5	10033.7	10528.4	11711.7	13079.2	13244.1	14083.1	14252.8	11212.2
40°	9946.4	9965.8	10421.7	10930.9	11454.6	12662.2	13598.1	13758.2	14490.5	15135.5	11891.1
42.5°	10601.1	10722.4	11270.4	11891.1	12439.1	13375.1	14020.1	14175.2	14679.6	15843.5	12807.7
45°	11551.6	11498.3	12104.5	12798.0	13404.2	14117.0	14519.6	14466.2	14791.1	16546.7	13384.8
47.5°	12773.7	12783.4	13185.9	13777.6	14408.0	14762.0	15077.3	14888.1	15023.9	17288.7	14155.8
50°	13607.8	13680.6	14005.5	14611.7	14926.9	15470.1	15872.6	15756.2	15712.6	17734.8	14640.8
52.5°	13821.2	14039.5	14214.0	14970.6	15707.7	16566.1	17080.1	17327.5	16551.5	17885.2	15256.7
55°	12211.2	12405.2	13021.0	14058.9	16003.5	18302.2	19010.2	19015.1	17647.5	18554.4	15688.3
57.5°	9762.2	9369.3	9747.6	10848.5	13530.3	18229.5	19951.1	19723.1	18195.5	18161.6	15314.9
60°	6750.6	6653.6	6677.8	7114.3	9364.5	14500.2	17778.5	18074.3	16755.2	15741.6	12123.9
62.5°	5349.1	5266.6	5159.9	5111.4	5814.6	9034.7	12540.9	12958.0	11716.5	10208.3	7187.0
65°	4190.0	4141.5	4156.1	4350.0	4345.2	5126.0	6857.3	6687.5	5353.9	3957.2	2259.9
67.5°	2827.3	2900.0	2958.2	3545.0	3845.7	3569.3	3312.2	3215.3	1741.0	732.3	499.5
70°	1590.7	1600.4	1663.4	2216.2	2919.4	2769.1	2284.1	2284.1	868.1	266.7	286.1
72.5°	868.1	839.0	780.8	955.4	1299.7	1319.1	1018.4	887.5	257.0	174.6	160.0
75°	421.9	417.1	358.9	295.8	281.3	232.8	179.4	164.9	116.4	111.5	97.0
77.5°	87.3	82.4	43.6	43.6	48.5	53.3	67.9	67.9	82.4	82.4	67.9
80°	0.0	0.0	4.8	19.4	33.9	48.5	58.2	58.2	67.9	67.9	53.3
82.5°	0.0	0.0	4.8	14.5	29.1	43.6	53.3	58.2	67.9	72.7	58.2
85°	0.0	0.0	0.0	9.7	24.2	33.9	29.1	29.1	24.2	19.4	9.7
87.5°	0.0	0.0	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



REPORT NUMBER: P532159

CATALOG NUMBER: GALN-SA7C-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6	11488.6
2.5°	11318.9	11309.2	11086.1	10960.0	10732.1	10533.2	10373.2	10256.8	10256.8	10184.1	10116.2
5°	10998.8	10916.3	10441.1	10135.6	9704.0	9383.9	9165.7	8995.9	8729.2	8801.9	8515.8
7.5°	10601.1	10392.6	9762.2	9296.6	8700.1	8244.2	7778.7	7366.5	6968.8	6789.4	6886.4
10°	10174.4	9810.6	8962.0	8224.8	7482.9	6648.7	6105.6	5446.0	5038.7	5014.4	4907.7
12.5°	9723.4	9311.1	8278.2	7259.8	6285.0	5281.2	4451.9	3836.0	3559.6	3254.1	3312.2
15°	9383.9	8772.8	7516.8	6289.9	4995.0	3981.5	3147.4	2672.1	2410.2	2337.5	2313.2
17.5°	9015.3	8360.6	6740.9	5256.9	3918.4	2866.1	2264.7	2036.8	1935.0	1935.0	1920.4
20°	8632.2	7895.1	5969.8	4296.7	2938.8	2138.7	1813.7	1741.0	1736.1	1731.3	1731.3
22.5°	8380.0	7361.6	5271.5	3414.1	2216.2	1711.9	1576.1	1547.0	1566.4	1624.6	1624.6
25°	8113.3	6847.6	4500.4	2633.3	1716.7	1469.4	1391.8	1411.2	1459.7	1513.1	1493.7
27.5°	7841.7	6512.9	3773.0	2065.9	1406.4	1285.1	1256.0	1299.7	1353.0	1401.5	1387.0
30°	7778.7	6154.1	3084.3	1566.4	1207.5	1120.2	1139.6	1178.4	1231.8	1251.2	1270.6
32.5°	7875.7	5872.8	2526.6	1285.1	1052.4	1028.1	1028.1	1047.5	1081.5	1125.1	1110.5
35°	8152.1	5712.8	1998.0	1115.4	965.1	940.8	936.0	955.4	974.8	989.3	974.8
37.5°	8574.0	5586.7	1634.3	989.3	906.9	868.1	858.4	853.5	872.9	877.8	887.5
40°	9112.3	5654.6	1387.0	911.7	848.7	805.0	775.9	775.9	775.9	790.5	795.3
42.5°	9694.3	5746.7	1197.8	868.1	795.3	742.0	712.9	703.2	712.9	732.3	727.4
45°	10305.3	5926.2	1076.6	800.2	746.8	678.9	640.1	630.4	654.7	693.5	688.6
47.5°	10877.5	6183.2	984.5	756.5	698.3	635.3	586.8	577.1	620.7	674.1	678.9
50°	11449.8	6629.3	950.5	722.6	664.4	591.6	548.0	538.3	586.8	654.7	669.2
52.5°	12109.3	7109.4	926.3	678.9	625.6	557.7	509.2	499.5	552.8	640.1	645.0
55°	12540.9	7516.8	906.9	601.3	552.8	504.4	465.6	460.7	518.9	596.5	615.9
57.5°	12036.6	6949.4	839.0	523.8	470.4	446.2	412.2	412.2	460.7	533.5	548.0
60°	9126.9	4573.1	596.5	421.9	397.7	383.1	368.6	368.6	407.4	460.7	465.6
62.5°	5344.2	2463.6	383.1	339.5	339.5	324.9	300.7	300.7	339.5	368.6	373.4
65°	1585.8	790.5	310.4	291.0	286.1	261.9	237.6	232.8	261.9	276.4	271.6
67.5°	455.9	363.7	257.0	242.5	237.6	198.8	184.3	179.4	184.3	174.6	169.7
70°	271.6	247.3	198.8	203.7	179.4	145.5	130.9	126.1	116.4	101.8	92.1
72.5°	150.3	150.3	145.5	155.2	126.1	97.0	82.4	67.9	53.3	43.6	38.8
75°	92.1	97.0	101.8	106.7	82.4	63.0	53.3	33.9	19.4	9.7	9.7
77.5°	63.0	67.9	72.7	77.6	67.9	58.2	43.6	24.2	4.8	0.0	0.0
80°	48.5	53.3	63.0	67.9	72.7	77.6	58.2	24.2	4.8	0.0	0.0
82.5°	53.3	58.2	72.7	67.9	67.9	67.9	53.3	24.2	4.8	0.0	0.0
85°	9.7	14.5	24.2	24.2	33.9	43.6	33.9	9.7	0.0	0.0	0.0
87.5°	0.0	0.0	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)