

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: P530053

Luminaire Tested: **GALN-SA5B-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530053
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-SA5B-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA 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: 15176 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

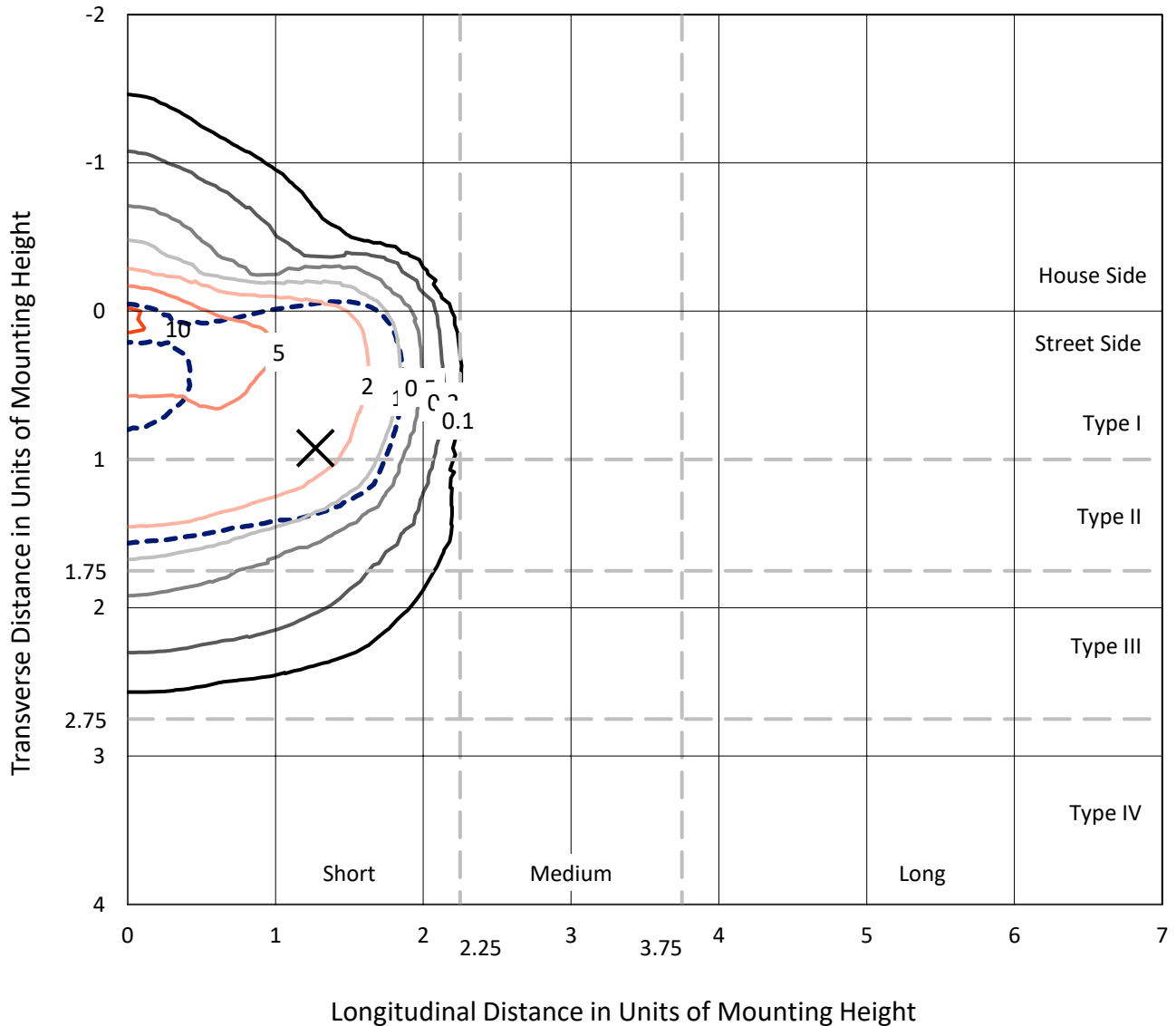
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530053
 CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

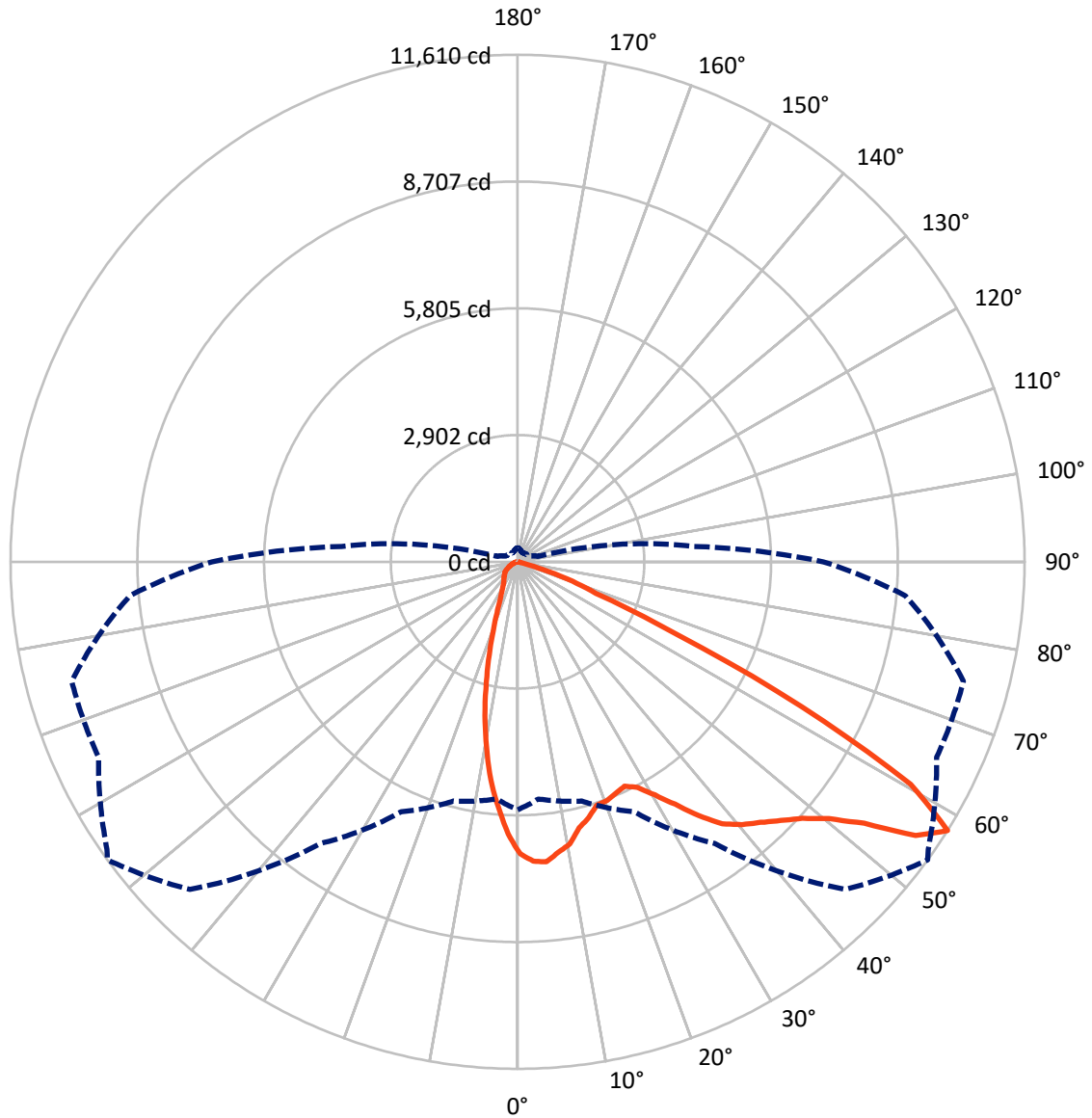
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P530053
CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530053
 CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

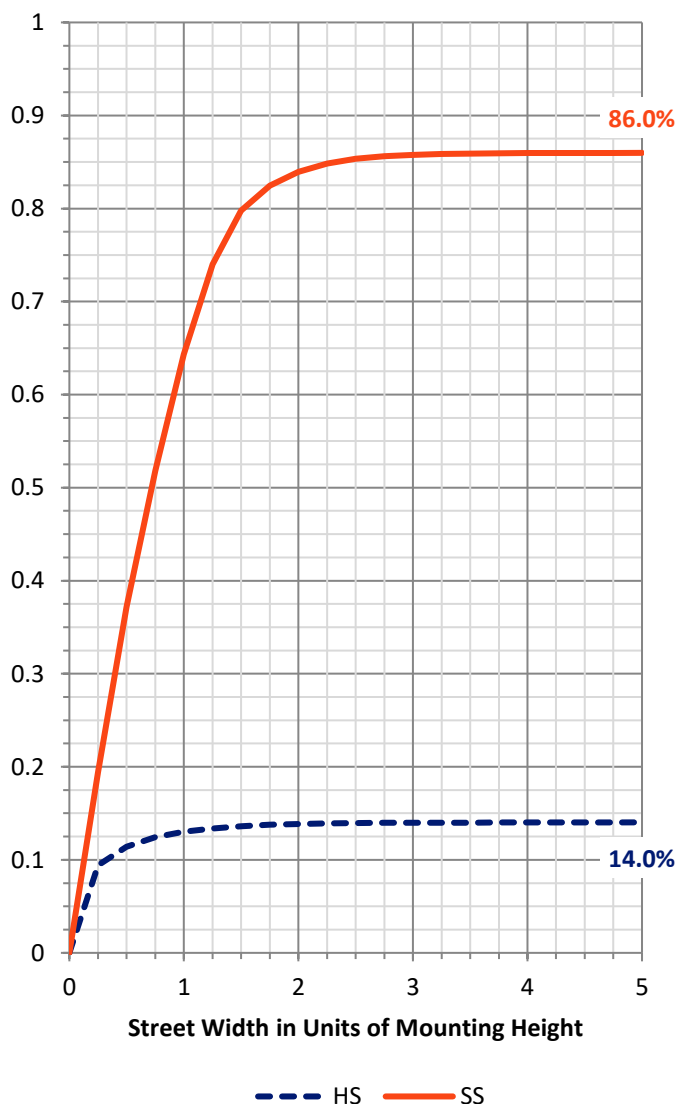
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.6	0.0	2144.6
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	13031.4	0.0	13031.4
	% Fixture	85.9	0.0	85.9
Total	Lumens	15176.0	0.0	15176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.4	3.7
10°-20°	1194.4	7.9
20°-30°	1582.8	10.4
30°-40°	2300.2	15.2
40°-50°	3410.9	22.5
50°-60°	4265.2	28.1
60°-70°	1682.4	11.1
70°-80°	167.5	1.1
80°-90°	13.0	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°	15176.0	100.0
0°-180°	15176.0	100.0

Coefficient of Utilization

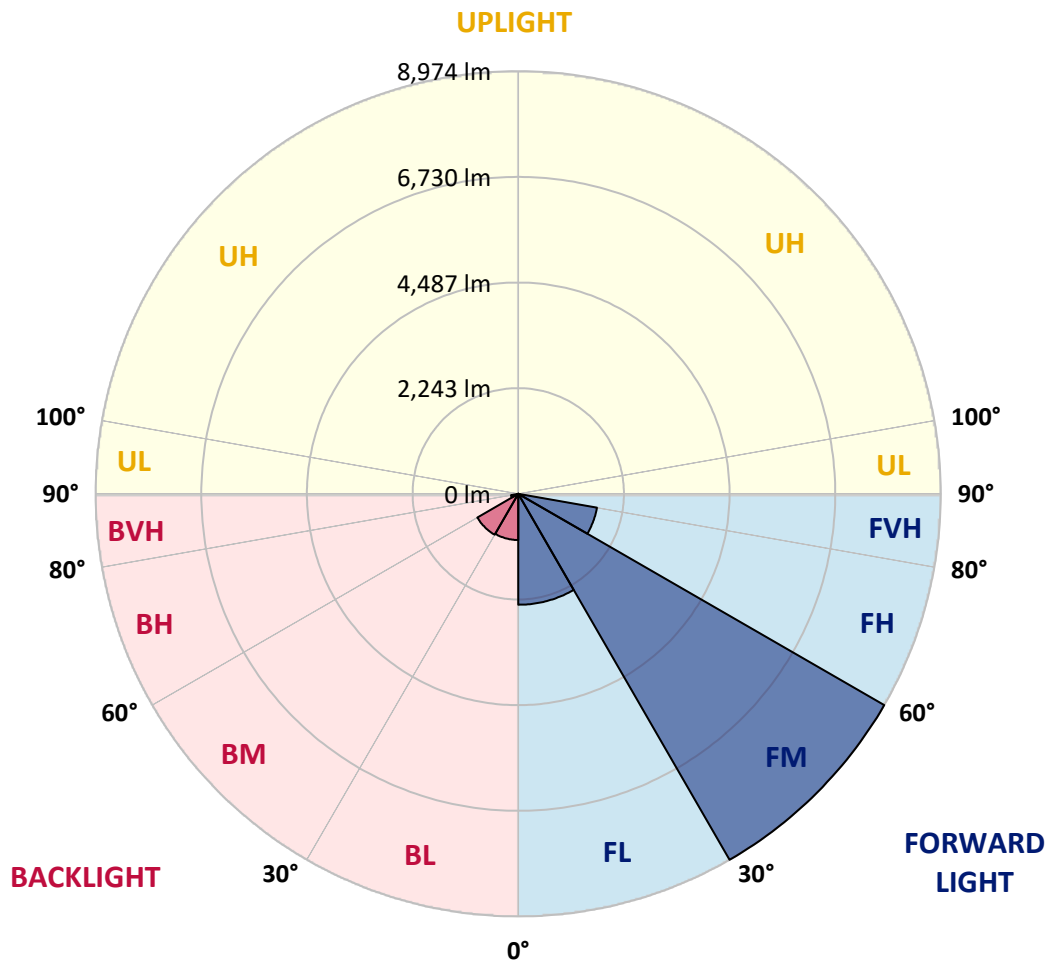


REPORT NUMBER: P530053
 CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2355.8	15.5			
FM (30°-60°)	8973.5	59.1			
FH (60°-80°)	1696.2	11.2			G1/1800
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	980.9	6.5	B2/1000		
BM (30°-60°)	1002.9	6.6	B2/2500		
BH (60°-80°)	153.8	1.0	B1/500		G1/500
BVH (80°-90°)	7.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P530053

CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2
2.5°	7074.7	7001.3	7006.9	6981.5	6947.7	6973.1	6863.0	6888.4	6885.6	6736.0	6637.3
5°	6896.9	6975.9	6894.1	6961.8	6896.9	6967.4	6899.7	6848.9	6767.1	6657.0	6473.6
7.5°	6594.9	6518.7	6541.3	6626.0	6640.1	6798.1	6713.5	6778.4	6744.5	6527.2	6276.0
10°	5988.2	5971.3	6084.2	6197.0	6335.3	6504.6	6569.5	6532.8	6507.4	6425.6	6089.8
12.5°	5522.6	5570.6	5567.7	5754.0	5988.2	6084.2	6253.5	6247.8	6388.9	6236.5	5914.8
15°	5079.5	5104.9	5223.5	5339.2	5598.8	5872.5	6081.3	6109.6	6278.9	6171.6	5779.4
17.5°	4808.6	4771.9	4865.1	5003.3	5268.6	5627.0	5858.4	5926.1	6157.5	6134.9	5624.2
20°	4540.5	4540.5	4616.7	4780.4	5023.1	5426.6	5838.6	5818.9	6157.5	6092.6	5457.7
22.5°	4450.2	4495.4	4515.1	4639.3	4927.1	5274.3	5754.0	5790.7	6205.5	6072.9	5384.3
25°	4574.4	4515.1	4520.8	4619.6	4890.5	5200.9	5691.9	5773.7	6293.0	6171.6	5325.0
27.5°	4594.2	4653.4	4670.4	4738.1	4918.7	5223.5	5847.1	6013.6	6510.3	6403.0	5342.0
30°	4766.3	4825.6	4822.7	4938.4	5062.6	5406.9	6194.2	6228.1	6959.0	6693.7	5446.4
32.5°	4975.1	5037.2	5057.0	5192.4	5291.2	5742.7	6617.5	6705.0	7390.7	7150.9	5720.1
35°	5234.7	5212.2	5302.5	5437.9	5649.6	6233.7	7133.9	7280.7	7856.3	7743.5	6002.3
37.5°	5559.3	5531.0	5618.5	5838.6	6126.5	6815.0	7610.8	7706.8	8195.0	8293.8	6524.4
40°	5787.8	5799.1	6064.4	6360.7	6665.5	7368.1	7912.8	8005.9	8432.0	8807.3	6919.5
42.5°	6168.8	6239.4	6558.2	6919.5	7238.3	7783.0	8158.3	8248.6	8542.1	9219.4	7452.8
45°	6721.9	6690.9	7043.6	7447.2	7799.9	8214.7	8449.0	8417.9	8607.0	9628.5	7788.6
47.5°	7433.1	7438.7	7672.9	8017.2	8384.1	8590.1	8773.5	8663.4	8742.4	10060.3	8237.3
50°	7918.4	7960.8	8149.8	8502.6	8686.0	9002.1	9236.3	9168.6	9143.2	10319.9	8519.5
52.5°	8042.6	8169.6	8271.2	8711.4	9140.3	9639.8	9939.0	10082.9	9631.4	10407.4	8877.9
55°	7105.7	7218.6	7577.0	8180.9	9312.5	10650.1	11062.1	11064.9	10269.1	10796.8	9129.1
57.5°	5680.6	5452.0	5672.1	6312.7	7873.3	10607.8	11609.6	11476.9	10588.0	10568.3	8911.8
60°	3928.2	3871.7	3885.8	4139.8	5449.2	8437.7	10345.3	10517.5	9749.9	9160.1	7054.9
62.5°	3112.6	3064.7	3002.6	2974.3	3383.5	5257.3	7297.6	7540.3	6817.9	5940.2	4182.2
65°	2438.2	2410.0	2418.4	2531.3	2528.5	2982.8	3990.3	3891.5	3115.4	2302.7	1315.0
67.5°	1645.2	1687.5	1721.4	2062.9	2237.8	2077.0	1927.4	1871.0	1013.1	426.1	290.7
70°	925.6	931.2	967.9	1289.6	1698.8	1611.3	1329.1	1329.1	505.1	155.2	166.5
72.5°	505.1	488.2	454.3	555.9	756.3	767.6	592.6	516.4	149.6	101.6	93.1
75°	245.5	242.7	208.8	172.1	163.7	135.5	104.4	95.9	67.7	64.9	56.4
77.5°	50.8	48.0	25.4	25.4	28.2	31.0	39.5	39.5	48.0	48.0	39.5
80°	0.0	0.0	2.8	11.3	19.8	28.2	33.9	33.9	39.5	39.5	31.0
82.5°	0.0	0.0	2.8	8.5	16.9	25.4	31.0	33.9	39.5	42.3	33.9
85°	0.0	0.0	0.0	5.6	14.1	19.8	16.9	16.9	14.1	11.3	5.6
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: P530053

CATALOG NUMBER: GALN-SA5B-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2	6685.2
2.5°	6586.5	6580.8	6451.0	6377.6	6245.0	6129.3	6036.2	5968.5	5968.5	5926.1	5886.6
5°	6400.2	6352.2	6075.7	5897.9	5646.7	5460.5	5333.5	5234.7	5079.5	5121.9	4955.4
7.5°	6168.8	6047.5	5680.6	5409.7	5062.6	4797.3	4526.4	4286.6	4055.2	3950.7	4007.2
10°	5920.5	5708.8	5215.0	4786.1	4354.3	3868.9	3552.9	3169.1	2932.0	2917.9	2855.8
12.5°	5658.0	5418.2	4817.1	4224.5	3657.3	3073.1	2590.6	2232.2	2071.3	1893.5	1927.4
15°	5460.5	5104.9	4374.0	3660.1	2906.6	2316.8	1831.5	1554.9	1402.5	1360.2	1346.1
17.5°	5246.0	4865.1	3922.5	3059.0	2280.1	1667.8	1317.9	1185.2	1126.0	1126.0	1117.5
20°	5023.1	4594.2	3473.8	2500.3	1710.1	1244.5	1055.4	1013.1	1010.3	1007.4	1007.4
22.5°	4876.4	4283.7	3067.5	1986.7	1289.6	996.2	917.1	900.2	911.5	945.4	945.4
25°	4721.1	3984.6	2618.8	1532.3	999.0	855.1	809.9	821.2	849.4	880.5	869.2
27.5°	4563.1	3789.9	2195.5	1202.2	818.4	747.8	730.9	756.3	787.3	815.5	807.1
30°	4526.4	3581.1	1794.8	911.5	702.7	651.9	663.2	685.7	716.8	728.1	739.4
32.5°	4582.9	3417.4	1470.2	747.8	612.4	598.3	598.3	609.5	629.3	654.7	646.2
35°	4743.7	3324.3	1162.6	649.1	561.6	547.5	544.6	555.9	567.2	575.7	567.2
37.5°	4989.2	3250.9	951.0	575.7	527.7	505.1	499.5	496.7	508.0	510.8	516.4
40°	5302.5	3290.4	807.1	530.5	493.8	468.4	451.5	451.5	451.5	460.0	462.8
42.5°	5641.1	3344.0	697.0	505.1	462.8	431.8	414.8	409.2	414.8	426.1	423.3
45°	5996.7	3448.4	626.5	465.6	434.6	395.1	372.5	366.9	381.0	403.5	400.7
47.5°	6329.7	3598.0	572.9	440.2	406.4	369.7	341.5	335.8	361.2	392.3	395.1
50°	6662.7	3857.6	553.1	420.5	386.6	344.3	318.9	313.2	341.5	381.0	389.4
52.5°	7046.4	4137.0	539.0	395.1	364.0	324.5	296.3	290.7	321.7	372.5	375.3
55°	7297.6	4374.0	527.7	349.9	321.7	293.5	270.9	268.1	302.0	347.1	358.4
57.5°	7004.1	4043.9	488.2	304.8	273.7	259.6	239.9	239.9	268.1	310.4	318.9
60°	5310.9	2661.1	347.1	245.5	231.4	222.9	214.5	214.5	237.0	268.1	270.9
62.5°	3109.8	1433.6	222.9	197.5	197.5	189.1	175.0	175.0	197.5	214.5	217.3
65°	922.8	460.0	180.6	169.3	166.5	152.4	138.3	135.5	152.4	160.9	158.0
67.5°	265.3	211.6	149.6	141.1	138.3	115.7	107.2	104.4	107.2	101.6	98.8
70°	158.0	143.9	115.7	118.5	104.4	84.7	76.2	73.4	67.7	59.3	53.6
72.5°	87.5	87.5	84.7	90.3	73.4	56.4	48.0	39.5	31.0	25.4	22.6
75°	53.6	56.4	59.3	62.1	48.0	36.7	31.0	19.8	11.3	5.6	5.6
77.5°	36.7	39.5	42.3	45.2	39.5	33.9	25.4	14.1	2.8	0.0	0.0
80°	28.2	31.0	36.7	39.5	42.3	45.2	33.9	14.1	2.8	0.0	0.0
82.5°	31.0	33.9	42.3	39.5	39.5	39.5	31.0	14.1	2.8	0.0	0.0
85°	5.6	8.5	14.1	14.1	19.8	25.4	19.8	5.6	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)