

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: P533330

Luminaire Tested: **GALN-SA8D-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48129 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

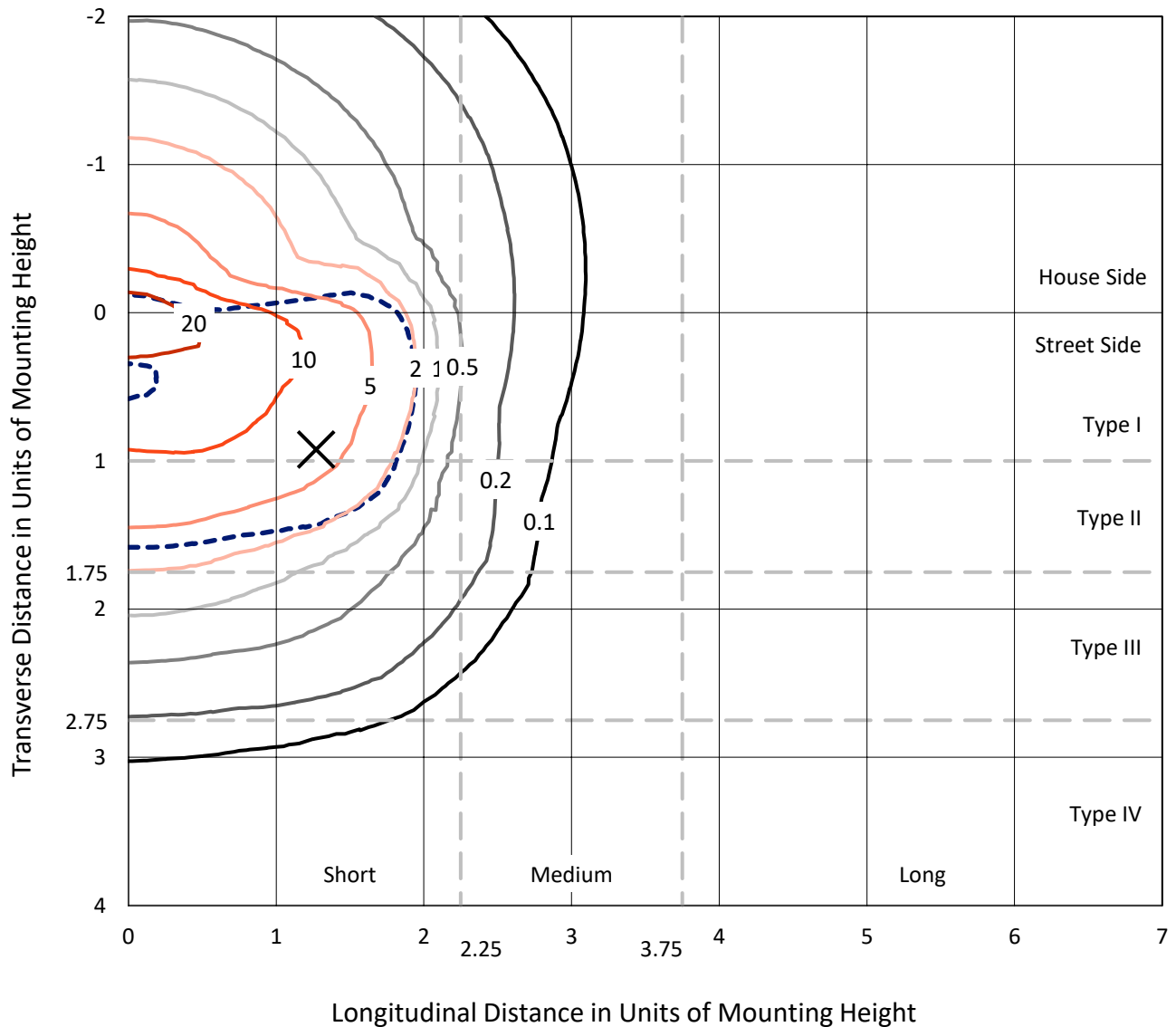
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533330
 CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

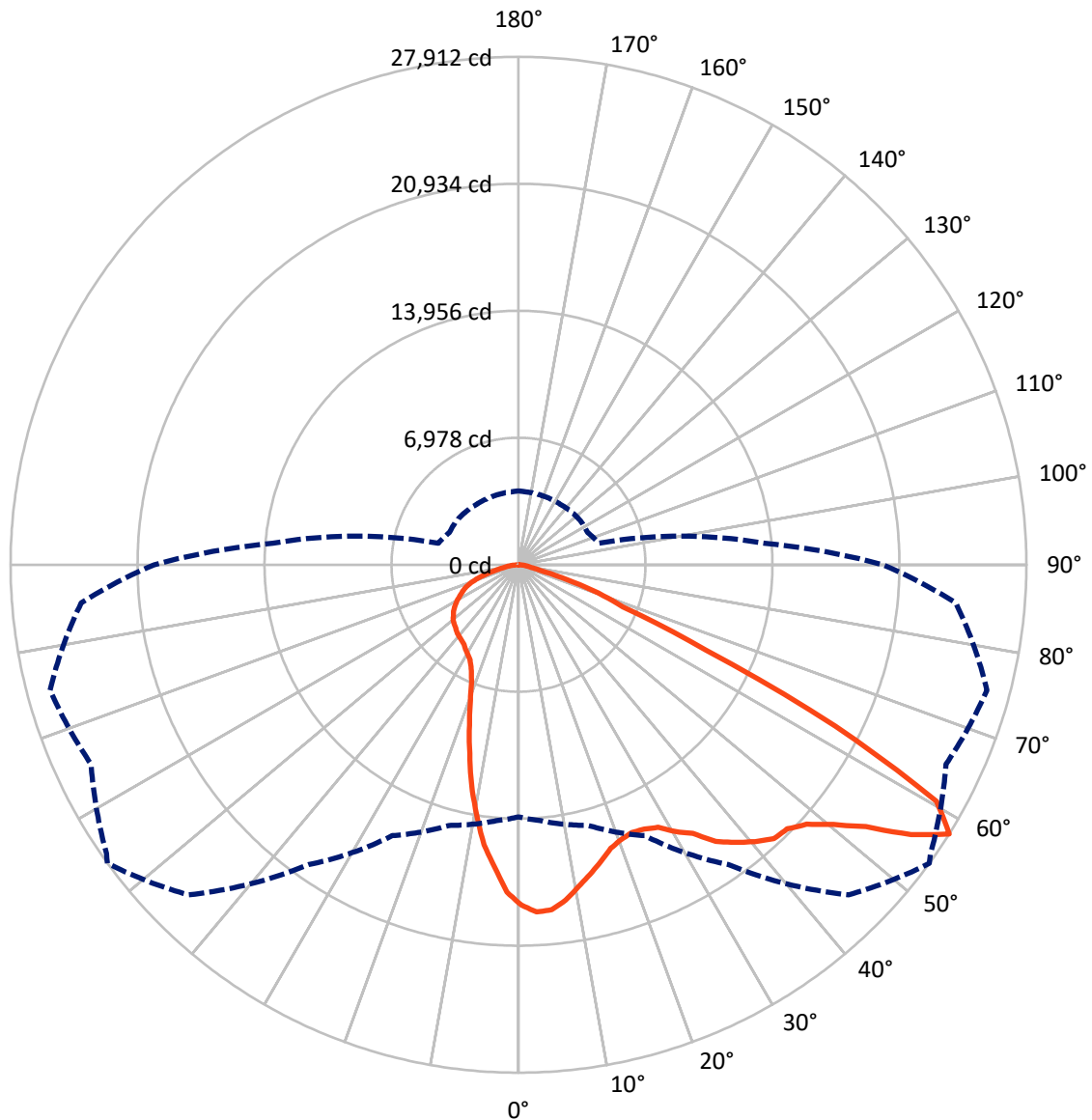
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.9 fc
 Type II - Short - N/A

REPORT NUMBER: P533330
CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P533330
 CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

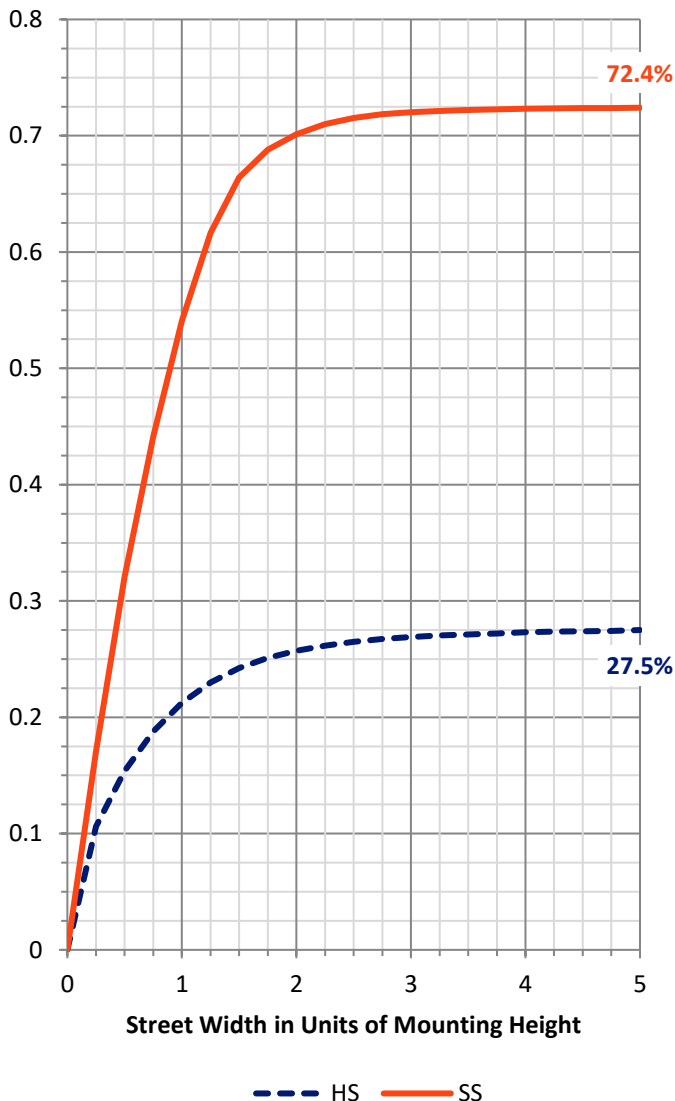
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13315.1	0.0	13315.1
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	34813.9	0.0	34813.9
	% Fixture	72.3	0.0	72.3
Total	Lumens	48129.0	0.0	48129.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.3	3.4
10°-20°	3735.4	7.8
20°-30°	5248.3	10.9
30°-40°	7337.2	15.2
40°-50°	9933.1	20.6
50°-60°	12099.0	25.1
60°-70°	6301.7	13.1
70°-80°	1614.7	3.4
80°-90°	246.3	0.5
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°	48129.0	100.0
0°-180°	48129.0	100.0

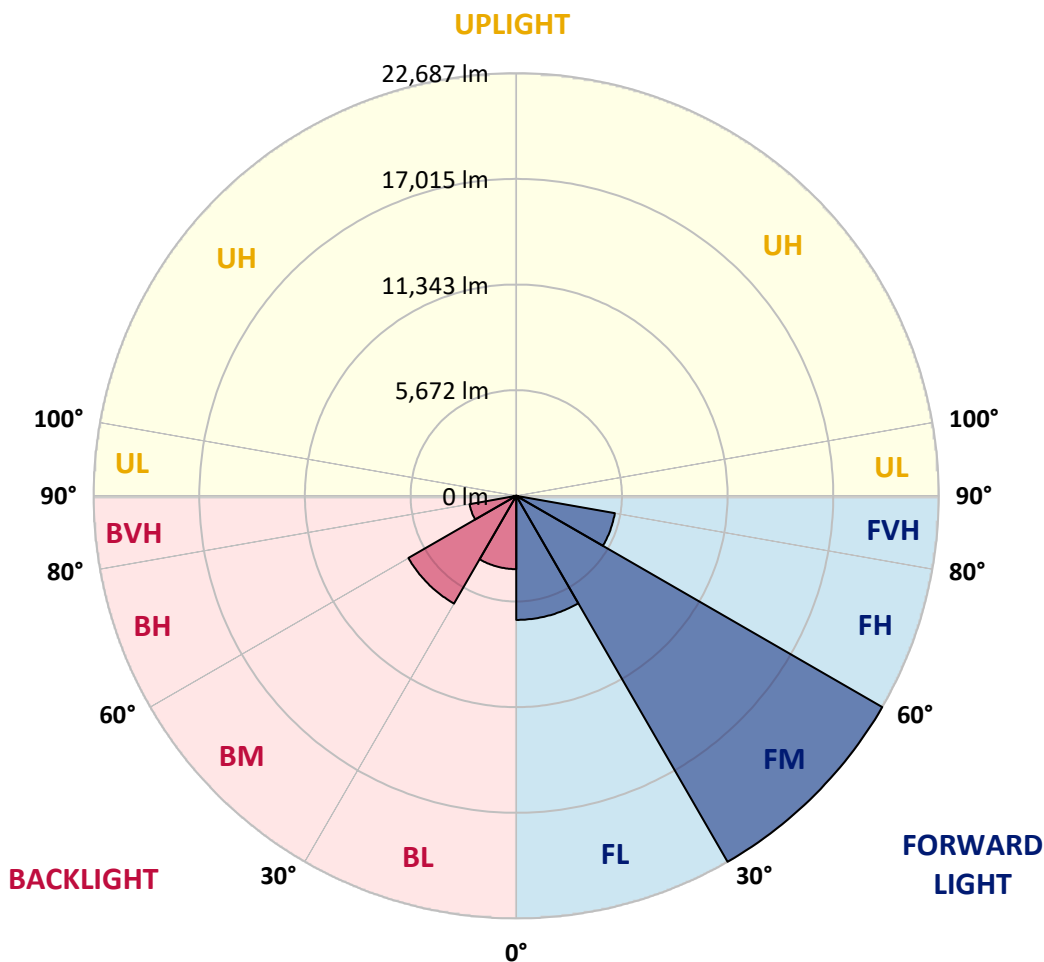


REPORT NUMBER: P533330
 CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6661.7	13.8			
FM (30°-60°)	22686.5	47.1			
FH (60°-80°)	5372.5	11.2			G3/7500
FVH (80°-90°)	93.1	0.2			G1/100
BL (0°-30°)	3935.3	8.2	B4/5000		
BM (30°-60°)	6682.8	13.9	B4/8500		
BH (60°-80°)	2543.8	5.3	B4/5000		G4/5000
BVH (80°-90°)	153.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Short





REPORT NUMBER: P533330

CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2
2.5°	19239.2	19165.0	19177.3	19276.3	19152.6	19103.1	19103.1	18861.8	18880.4	18713.4	18670.1
5°	18793.8	18620.6	18738.1	18886.6	18911.3	18960.8	19041.2	18979.4	18806.2	18626.8	18336.0
7.5°	17630.8	17785.4	17828.7	17933.9	18156.6	18360.8	18614.4	18441.2	18435.0	18255.6	18082.4
10°	16610.1	16517.3	16752.3	16907.0	17278.2	17618.4	18008.1	17989.6	18082.4	17878.2	17581.3
12.5°	15595.5	15521.3	15632.6	15985.2	16504.9	16999.8	17463.8	17290.5	17785.4	17748.3	17111.1
15°	14519.1	14574.8	14735.6	15063.5	15744.0	16337.9	16925.6	16931.7	17371.0	17519.4	16665.7
17.5°	13764.4	13702.5	13906.7	14395.4	15001.6	15713.1	16381.2	16517.3	17191.6	17278.2	16529.6
20°	13201.4	13288.0	13554.1	13801.5	14500.5	15360.4	16115.2	16164.6	17154.4	17389.5	16313.1
22.5°	13065.3	13015.8	13102.5	13504.6	14079.9	15014.0	15972.9	16158.5	17148.3	17352.4	15904.8
25°	12923.1	13083.9	13077.7	13479.8	13900.5	14735.6	16090.4	16294.6	17476.1	17544.2	15960.5
27.5°	13244.7	13226.2	13399.4	13430.3	13950.0	14809.9	16337.9	16492.5	18020.5	17964.8	16003.8
30°	13566.4	13473.6	13578.8	13943.8	14185.0	15236.7	17018.3	17006.0	18725.7	18688.6	16139.9
32.5°	13962.3	13919.0	13987.1	14308.8	14717.1	15805.8	17593.7	17958.7	19443.4	19678.4	16610.1
35°	14036.6	14216.0	14376.8	14809.9	15391.4	16272.6	18676.3	18979.4	20272.3	21008.5	17507.1
37.5°	14506.7	14574.8	14952.1	15719.2	16251.3	17958.7	19362.9	19554.7	21027.0	21862.2	18453.6
40°	15007.8	15088.2	15657.4	16461.6	17191.6	18762.9	20006.3	20068.2	21268.3	22517.9	19072.2
42.5°	15688.3	15762.5	16325.5	17333.8	18311.3	19449.5	20575.4	20643.5	21249.7	23272.6	20055.8
45°	16393.5	16572.9	17234.9	18379.3	19257.8	20253.8	20705.3	20983.7	21423.0	23946.9	20853.8
47.5°	17383.3	17550.4	18094.8	19214.5	20241.4	20959.0	21305.4	21577.6	21837.4	24534.6	21367.3
50°	18435.0	18465.9	19127.9	20142.4	20897.1	21757.0	22425.1	22517.9	22381.8	25215.1	22239.5
52.5°	19208.3	19307.3	19820.7	20810.5	21936.4	22994.3	23909.8	24008.8	23742.8	25468.8	22536.5
55°	17927.7	17872.0	18707.2	20024.9	22635.5	24837.8	26167.8	26242.0	24732.6	26254.4	23507.7
57.5°	13857.2	14123.2	14834.6	16424.5	20111.5	25654.3	27912.3	27646.3	25920.3	26650.3	24126.3
60°	10071.2	10009.3	10485.7	11549.7	15156.3	22109.6	26390.5	26662.7	24949.1	24021.2	19894.9
62.5°	8203.0	8116.3	8153.5	8190.6	9780.4	14673.8	19536.1	19530.0	19214.5	17265.8	13418.0
65°	6557.4	6761.6	6780.1	7058.5	7262.6	8765.9	11320.8	11927.1	10386.7	8518.5	6180.1
67.5°	4942.8	4868.6	5116.0	6105.8	6489.4	6328.5	6180.1	6248.1	4441.7	3204.5	3018.9
70°	2913.7	2882.8	3179.7	4256.1	5344.9	5029.4	4658.2	4664.4	3049.8	2239.4	2493.1
72.5°	1596.1	1589.9	1651.7	2159.0	3037.4	3155.0	2796.2	2882.8	1818.8	1812.6	1948.7
75°	890.8	872.3	853.7	952.7	1095.0	1156.8	1181.6	1193.9	1249.6	1398.1	1453.8
77.5°	327.9	315.5	315.5	365.0	464.0	581.5	736.2	748.5	884.6	1014.5	1070.2
80°	111.4	123.7	167.0	228.9	309.3	414.5	501.1	513.5	624.8	711.4	730.0
82.5°	68.0	74.2	111.4	160.8	222.7	290.8	371.2	377.4	464.0	519.6	544.4
85°	30.9	37.1	61.9	99.0	142.3	191.8	198.0	198.0	191.8	198.0	185.6
87.5°	0.0	0.0	12.4	12.4	12.4	18.6	24.7	18.6	30.9	37.1	37.1
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: P533330
 CATALOG NUMBER: GALN-SA8D-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2	18707.2
2.5°	18540.2	18472.1	18261.8	18076.2	18020.5	17773.1	17408.1	17451.4	17185.4	17309.1	17179.2
5°	18286.5	18057.6	17519.4	17290.5	16690.5	16418.3	16232.7	15768.7	15552.2	15508.9	15323.3
7.5°	17637.0	17494.7	16820.4	16201.8	15564.6	15020.2	14321.1	13844.8	13504.6	13411.8	13139.6
10°	17123.5	16808.0	15873.9	14933.6	14024.2	13077.7	12168.3	11456.9	11110.5	10708.4	10572.3
12.5°	16616.2	16139.9	14877.9	13671.6	12496.2	11302.3	10201.1	9335.0	8580.3	8400.9	8339.1
15°	16300.7	15471.8	13987.1	12533.3	10863.0	9304.1	8203.0	7633.8	7169.9	6978.1	7114.2
17.5°	15886.3	14921.2	13133.4	11197.1	9359.8	7924.6	7002.8	6650.2	6483.2	6501.7	6446.1
20°	15366.6	14401.6	12013.7	9984.6	8017.4	6872.9	6347.1	6217.2	6241.9	6285.2	6266.7
22.5°	14995.4	13770.6	11203.3	8747.3	6928.6	6291.4	6074.9	5982.1	6062.5	6099.6	6068.7
25°	14710.9	13232.4	10219.7	7652.4	6297.6	5963.5	5864.6	5858.4	5982.1	6031.6	6000.7
27.5°	14451.1	12731.3	9242.2	6817.2	5876.9	5709.9	5679.0	5753.2	5833.6	5883.1	5926.4
30°	14296.4	12347.7	8326.7	6118.2	5666.6	5586.2	5530.5	5598.5	5641.9	5691.3	5666.6
32.5°	14444.9	12075.5	7442.0	5722.3	5493.4	5413.0	5487.2	5443.9	5518.1	5561.4	5493.4
35°	14908.8	11834.3	6811.1	5511.9	5295.4	5326.4	5338.7	5320.2	5351.1	5314.0	5394.4
37.5°	15366.6	11747.7	6229.5	5332.5	5202.6	5202.6	5190.3	5153.1	5215.0	5202.6	5239.7
40°	15948.1	11803.3	5734.6	5140.8	5116.0	5103.6	5054.2	5048.0	5023.2	5029.4	5041.8
42.5°	16455.4	11927.1	5450.1	5017.0	5035.6	5060.3	4967.6	4893.3	4924.2	4862.4	4862.4
45°	16993.6	12038.4	5196.4	4930.4	4911.9	4905.7	4831.5	4788.2	4763.4	4769.6	4825.3
47.5°	17841.1	12199.3	5004.7	4812.9	4825.3	4732.5	4713.9	4658.2	4683.0	4720.1	4726.3
50°	18441.2	12539.5	4856.2	4676.8	4720.1	4658.2	4546.9	4522.1	4522.1	4584.0	4571.6
52.5°	18861.8	13015.8	4713.9	4528.3	4546.9	4497.4	4460.3	4404.6	4367.5	4454.1	4497.4
55°	20148.6	13807.7	4676.8	4404.6	4398.4	4348.9	4280.9	4225.2	4206.6	4219.0	4305.6
57.5°	20024.9	13560.2	4559.3	4188.1	4175.7	4107.7	4039.6	4021.1	4014.9	4027.2	4052.0
60°	16257.4	10015.5	4070.5	3940.6	3922.1	3909.7	3841.7	3767.4	3730.3	3767.4	3736.5
62.5°	10757.9	6705.9	3588.0	3643.7	3656.1	3625.1	3513.8	3439.5	3451.9	3495.2	3427.2
65°	5283.0	3940.6	3254.0	3402.4	3414.8	3328.2	3223.0	3136.4	3093.1	3130.2	3099.3
67.5°	3018.9	3012.7	2981.8	3136.4	3130.2	3043.6	2876.6	2802.4	2728.1	2740.5	2721.9
70°	2561.1	2610.6	2672.5	2765.2	2759.1	2660.1	2462.1	2406.4	2301.3	2288.9	2258.0
72.5°	2016.7	2103.3	2239.4	2307.5	2251.8	2128.1	1998.2	1905.4	1812.6	1756.9	1775.5
75°	1497.1	1620.8	1695.0	1738.3	1651.7	1583.7	1478.5	1367.2	1255.8	1206.3	1187.8
77.5°	1088.8	1125.9	1193.9	1224.9	1169.2	1101.2	1039.3	927.9	822.8	754.7	736.2
80°	760.9	785.7	835.1	835.1	835.1	804.2	723.8	612.4	544.4	482.5	470.2
82.5°	532.0	556.8	606.3	581.5	575.3	538.2	488.7	402.1	327.9	284.6	272.2
85°	185.6	204.1	247.4	296.9	315.5	309.3	278.4	222.7	173.2	142.3	129.9
87.5°	43.3	43.3	49.5	43.3	43.3	49.5	43.3	43.3	43.3	30.9	24.7
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)