

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: STREETWORKS

Report Number: P649144

Luminaire Tested: **GLAN-SA9C-835-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649144
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: STREETWORKS
Catalog Number: GLAN-SA9C-835-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA 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: 42219.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

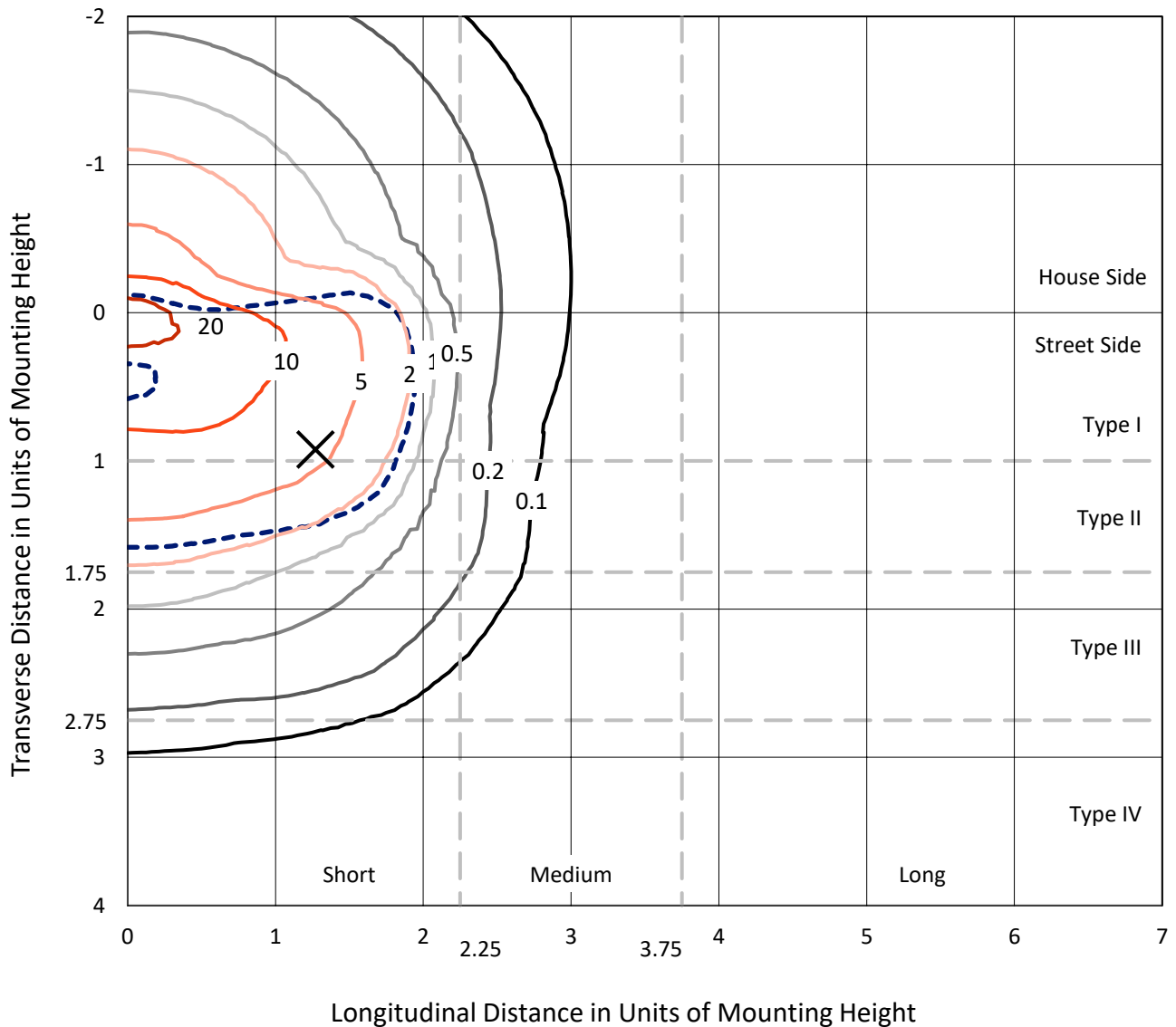
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

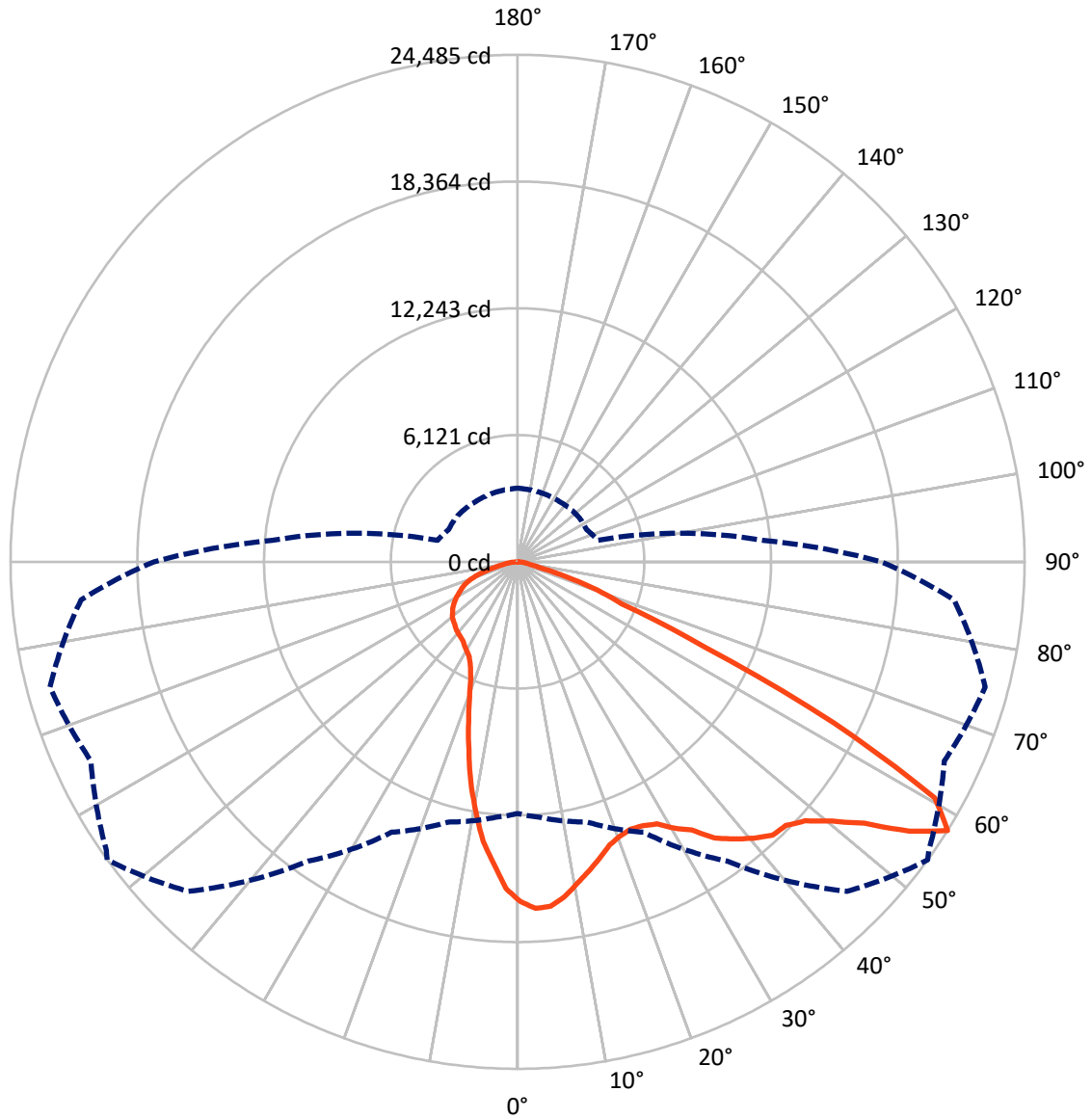
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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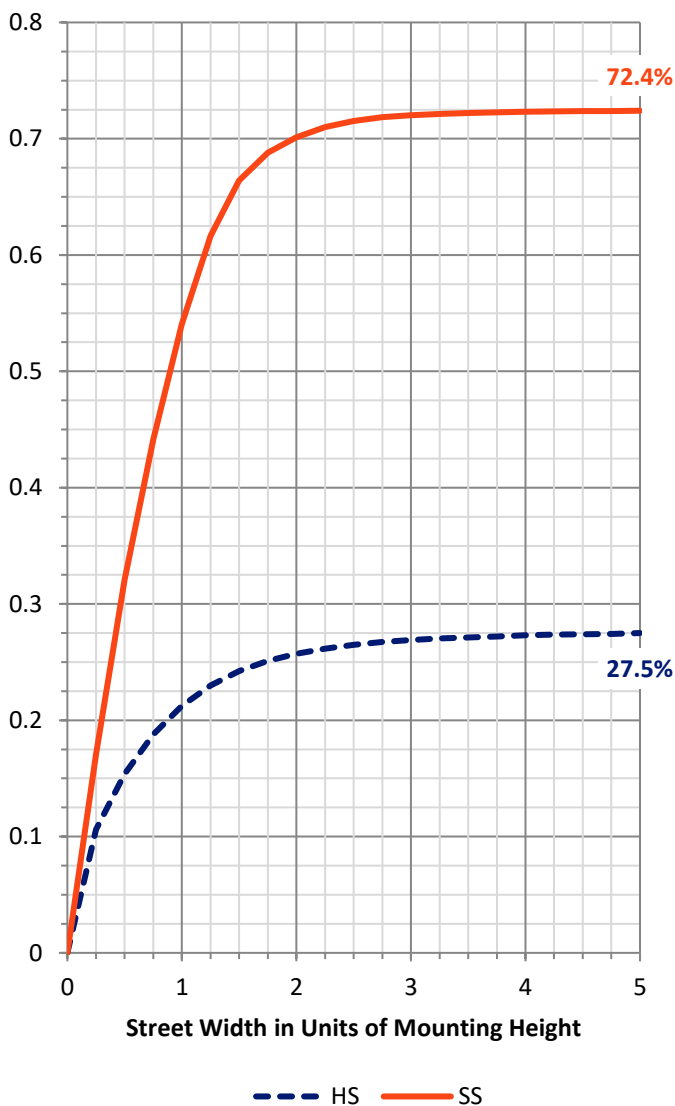
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11680.2	0.0	11680.2
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	30539.2	0.0	30539.2
	% Fixture	72.3	0.0	72.3
Total	Lumens	42219.4	0.0	42219.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1415.2	3.4
10°-20°	3276.7	7.8
20°-30°	4603.9	10.9
30°-40°	6436.3	15.2
40°-50°	8713.5	20.6
50°-60°	10613.4	25.1
60°-70°	5527.9	13.1
70°-80°	1416.5	3.4
80°-90°	216.1	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°	42219.4	100.0
0°-180°	42219.4	100.0

Coefficient of Utilization



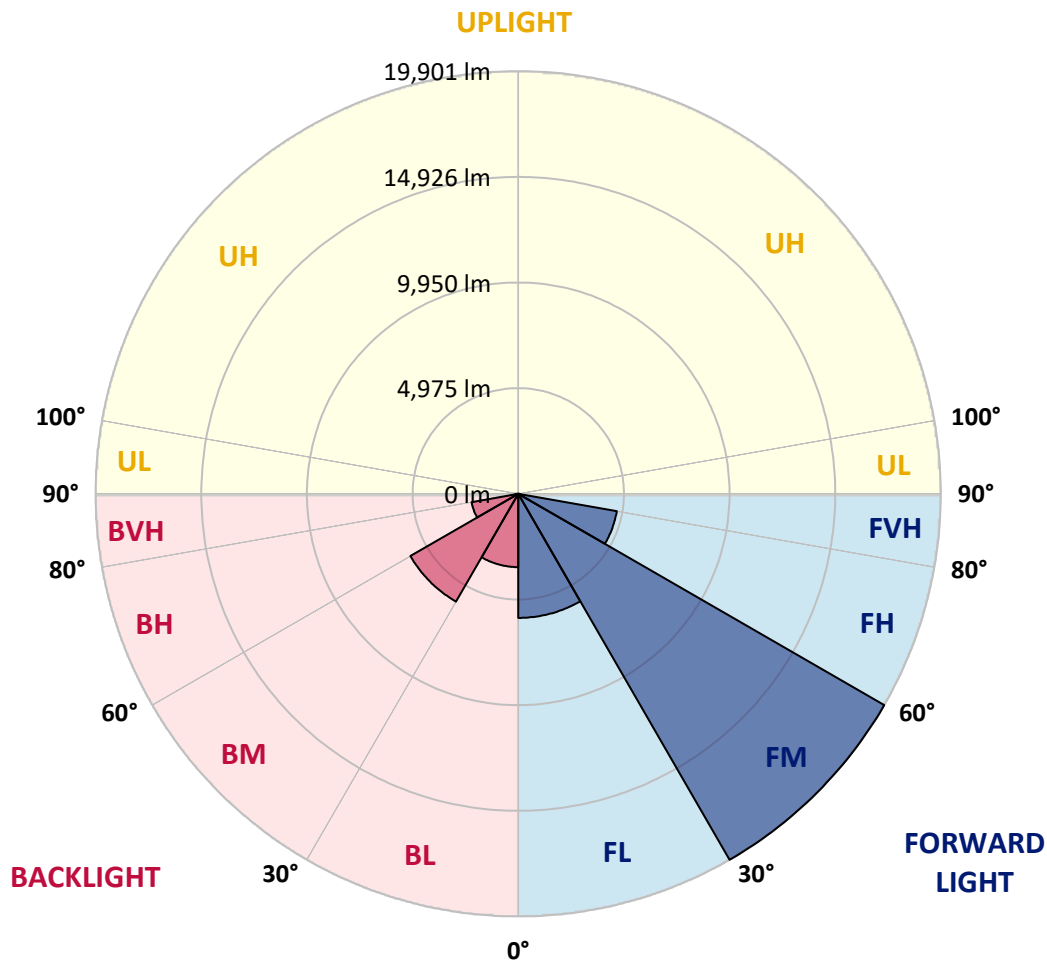
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5843.7	13.8			
FM (30°-60°)	19900.9	47.1			
FH (60°-80°)	4712.9	11.2			G2/5000
FVH (80°-90°)	81.7	0.2			G1/100
BL (0°-30°)	3452.1	8.2	B4/5000		
BM (30°-60°)	5862.2	13.9	B4/8500		
BH (60°-80°)	2231.5	5.3	B3/2500		G3/2500
BVH (80°-90°)	134.4	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2
2.5°	16876.9	16811.7	16822.6	16909.4	16800.9	16757.5	16757.5	16545.9	16562.1	16415.6	16377.6
5°	16486.1	16334.2	16437.3	16567.6	16589.3	16632.6	16703.2	16648.9	16497.0	16339.6	16084.6
7.5°	15466.0	15601.6	15639.6	15731.9	15927.2	16106.3	16328.8	16176.9	16171.4	16014.1	15862.1
10°	14570.5	14489.2	14695.3	14831.0	15156.6	15455.1	15796.9	15780.7	15862.1	15683.0	15422.5
12.5°	13680.6	13615.4	13713.1	14022.4	14478.3	14912.4	15319.4	15167.5	15601.6	15569.0	15010.1
15°	12736.4	12785.2	12926.3	13213.9	13810.8	14331.8	14847.3	14852.7	15238.0	15368.3	14619.4
17.5°	12074.3	12020.0	12199.1	12627.8	13159.6	13783.7	14369.8	14489.2	15080.7	15156.6	14500.0
20°	11580.5	11656.4	11889.8	12106.8	12720.1	13474.3	14136.4	14179.8	15048.1	15254.3	14310.1
22.5°	11461.1	11417.6	11493.7	11846.4	12351.0	13170.5	14011.6	14174.4	15042.7	15221.8	13951.9
25°	11336.3	11477.4	11472.0	11824.6	12193.7	12926.3	14114.7	14293.8	15330.3	15389.9	14000.7
27.5°	11618.5	11602.2	11754.1	11781.3	12237.1	12991.4	14331.8	14467.4	15807.8	15759.0	14038.7
30°	11900.7	11819.2	11911.5	12231.6	12443.3	13365.8	14928.7	14917.9	16426.5	16393.9	14158.1
32.5°	12247.9	12209.9	12269.7	12551.8	12910.0	13865.1	15433.4	15753.6	17055.9	17262.2	14570.5
35°	12313.1	12470.4	12611.5	12991.4	13501.5	14673.7	16383.0	16648.9	17783.1	18428.9	15357.4
37.5°	12725.5	12785.2	13116.2	13789.1	14255.8	15753.6	16985.4	17153.7	18445.2	19177.8	16187.7
40°	13165.0	13235.6	13734.8	14440.3	15080.7	16459.1	17549.8	17604.0	18656.8	19753.0	16730.4
42.5°	13762.0	13827.1	14320.9	15205.5	16062.9	17061.4	18049.0	18108.8	18640.6	20415.1	17593.2
45°	14380.6	14538.0	15118.6	16122.6	16893.1	17766.8	18163.0	18407.2	18792.5	21006.6	18293.2
47.5°	15248.8	15395.4	15873.0	16855.2	17756.0	18385.5	18689.3	18928.2	19156.1	21522.1	18743.6
50°	16171.4	16198.5	16779.2	17669.2	18331.2	19085.5	19671.6	19753.0	19633.6	22119.0	19508.8
52.5°	16849.8	16936.6	17387.0	18255.3	19242.9	20170.9	20974.0	21060.8	20827.5	22341.5	19769.3
55°	15726.4	15677.6	16410.2	17566.1	19856.1	21788.0	22954.7	23019.8	21695.8	23030.7	20621.2
57.5°	12155.7	12389.0	13013.1	14407.7	17642.0	22504.3	24485.0	24251.7	22737.6	23378.0	21163.9
60°	8834.6	8780.3	9198.1	10131.6	13295.3	19394.8	23150.1	23388.8	21885.6	21071.7	17452.1
62.5°	7195.8	7119.7	7152.3	7184.9	8579.6	12872.0	17137.4	17132.0	16855.2	15145.8	11770.4
65°	5752.2	5931.3	5947.6	6191.8	6370.9	7689.5	9930.8	10462.6	9111.4	7472.5	5421.3
67.5°	4335.9	4270.8	4487.8	5356.1	5692.6	5551.5	5421.3	5480.9	3896.4	2811.0	2648.2
70°	2555.9	2528.9	2789.3	3733.5	4688.6	4411.9	4086.2	4091.7	2675.4	1964.5	2186.9
72.5°	1400.1	1394.7	1448.9	1893.9	2664.5	2767.6	2452.8	2528.9	1595.4	1590.0	1709.4
75°	781.4	765.1	748.9	835.7	960.5	1014.8	1036.5	1047.3	1096.2	1226.4	1275.3
77.5°	287.6	276.8	276.8	320.2	407.0	510.1	645.7	656.6	776.0	890.0	938.8
80°	97.7	108.5	146.5	200.8	271.3	363.5	439.6	450.4	548.1	624.1	640.3
82.5°	59.7	65.1	97.7	141.1	195.4	255.0	325.6	331.1	407.0	455.9	477.6
85°	27.2	32.6	54.3	86.8	124.8	168.2	173.7	173.7	168.2	173.7	162.8
87.5°	0.0	0.0	10.9	10.9	10.9	16.3	21.7	16.3	27.2	32.6	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2	16410.2
2.5°	16263.7	16204.0	16019.5	15856.7	15807.8	15590.8	15270.6	15308.6	15075.3	15183.8	15069.8
5°	16041.2	15840.4	15368.3	15167.5	14641.1	14402.3	14239.6	13832.6	13642.6	13604.6	13441.8
7.5°	15471.4	15346.6	14755.1	14212.4	13653.4	13175.9	12562.7	12144.8	11846.4	11765.0	11526.2
10°	15021.0	14744.2	13924.8	13099.9	12302.2	11472.0	10674.2	10050.1	9746.2	9393.5	9274.2
12.5°	14575.9	14158.1	13051.1	11992.9	10961.8	9914.5	8948.5	8188.8	7526.7	7369.4	7315.1
15°	14299.2	13572.1	12269.7	10994.4	9529.2	8161.7	7195.8	6696.5	6289.4	6121.3	6240.7
17.5°	13935.6	13089.1	11520.7	9822.3	8210.5	6951.6	6142.9	5833.7	5687.2	5703.4	5654.6
20°	13479.8	12633.2	10538.6	8758.6	7032.9	6029.0	5567.8	5453.8	5475.5	5513.5	5497.2
22.5°	13154.2	12079.7	9827.7	7673.2	6077.9	5518.9	5328.9	5247.6	5318.1	5350.7	5323.5
25°	12904.5	11607.6	8964.8	6712.7	5524.3	5231.3	5144.5	5139.1	5247.6	5291.0	5263.9
27.5°	12676.6	11168.0	8107.4	5980.2	5155.4	5008.8	4981.7	5046.7	5117.3	5160.8	5198.7
30°	12541.0	10831.6	7304.3	5366.9	4970.8	4900.2	4851.4	4911.1	4949.1	4992.5	4970.8
32.5°	12671.2	10592.8	6528.3	5019.7	4818.9	4748.3	4813.4	4775.4	4840.6	4878.6	4818.9
35°	13078.2	10381.2	5974.8	4835.2	4645.2	4672.3	4683.2	4666.9	4694.1	4661.5	4732.1
37.5°	13479.8	10305.2	5464.6	4677.8	4563.8	4563.8	4553.0	4520.4	4574.7	4563.8	4596.4
40°	13989.9	10354.1	5030.5	4509.5	4487.8	4477.0	4433.6	4428.2	4406.4	4411.9	4422.7
42.5°	14434.9	10462.6	4780.8	4401.0	4417.3	4439.0	4357.6	4292.5	4319.6	4265.3	4265.3
45°	14907.0	10560.2	4558.4	4325.1	4308.8	4303.4	4238.2	4200.2	4178.5	4184.0	4232.8
47.5°	15650.4	10701.3	4390.1	4221.9	4232.8	4151.4	4135.1	4086.2	4108.0	4140.5	4146.0
50°	16176.9	10999.8	4259.9	4102.5	4140.5	4086.2	3988.6	3966.9	3966.9	4021.2	4010.3
52.5°	16545.9	11417.6	4135.1	3972.3	3988.6	3945.1	3912.7	3863.8	3831.2	3907.2	3945.1
55°	17674.6	12112.3	4102.5	3863.8	3858.3	3814.9	3755.3	3706.4	3690.1	3701.0	3777.0
57.5°	17566.1	11895.2	3999.4	3673.8	3663.0	3603.3	3543.6	3527.3	3521.9	3532.7	3554.4
60°	14261.2	8785.7	3570.7	3456.8	3440.5	3429.6	3370.0	3304.8	3272.2	3304.8	3277.7
62.5°	9437.0	5882.5	3147.4	3196.3	3207.2	3180.0	3082.4	3017.2	3028.1	3066.1	3006.3
65°	4634.3	3456.8	2854.4	2984.6	2995.5	2919.6	2827.3	2751.3	2713.3	2745.9	2718.7
67.5°	2648.2	2642.8	2615.6	2751.3	2745.9	2669.9	2523.4	2458.3	2393.2	2404.0	2387.8
70°	2246.7	2290.0	2344.3	2425.7	2420.3	2333.5	2159.8	2111.0	2018.7	2007.8	1980.8
72.5°	1769.1	1845.1	1964.5	2024.1	1975.3	1866.8	1752.8	1671.4	1590.0	1541.2	1557.5
75°	1313.2	1421.8	1486.9	1524.9	1448.9	1389.2	1297.0	1199.3	1101.6	1058.2	1041.9
77.5°	955.1	987.7	1047.3	1074.5	1025.7	965.9	911.6	814.0	721.8	662.0	645.7
80°	667.5	689.2	732.6	732.6	732.6	705.5	634.9	537.2	477.6	423.3	412.4
82.5°	466.7	488.4	531.8	510.1	504.6	472.1	428.7	352.7	287.6	249.6	238.7
85°	162.8	179.1	217.0	260.5	276.8	271.3	244.2	195.4	152.0	124.8	113.9
87.5°	38.0	38.0	43.4	38.0	38.0	43.4	38.0	38.0	38.0	27.2	21.7
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)