

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: P531950

Luminaire Tested: **GLAN-SA7B-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-735-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31293 lumens
Efficiency: N/A
Efficacy: 109.4 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

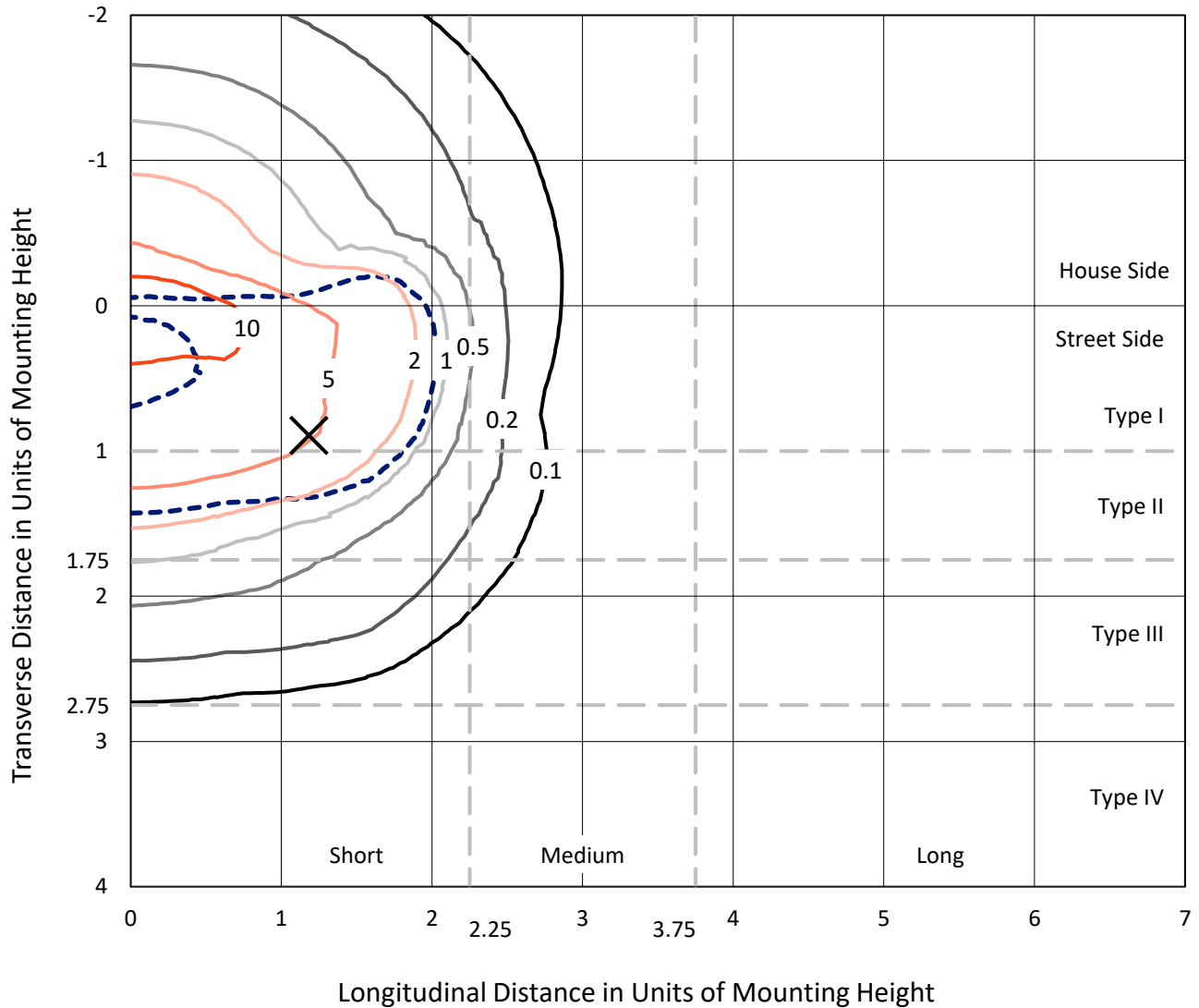
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531950
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Iso-Footcandle Lines of Horizontal Illumination

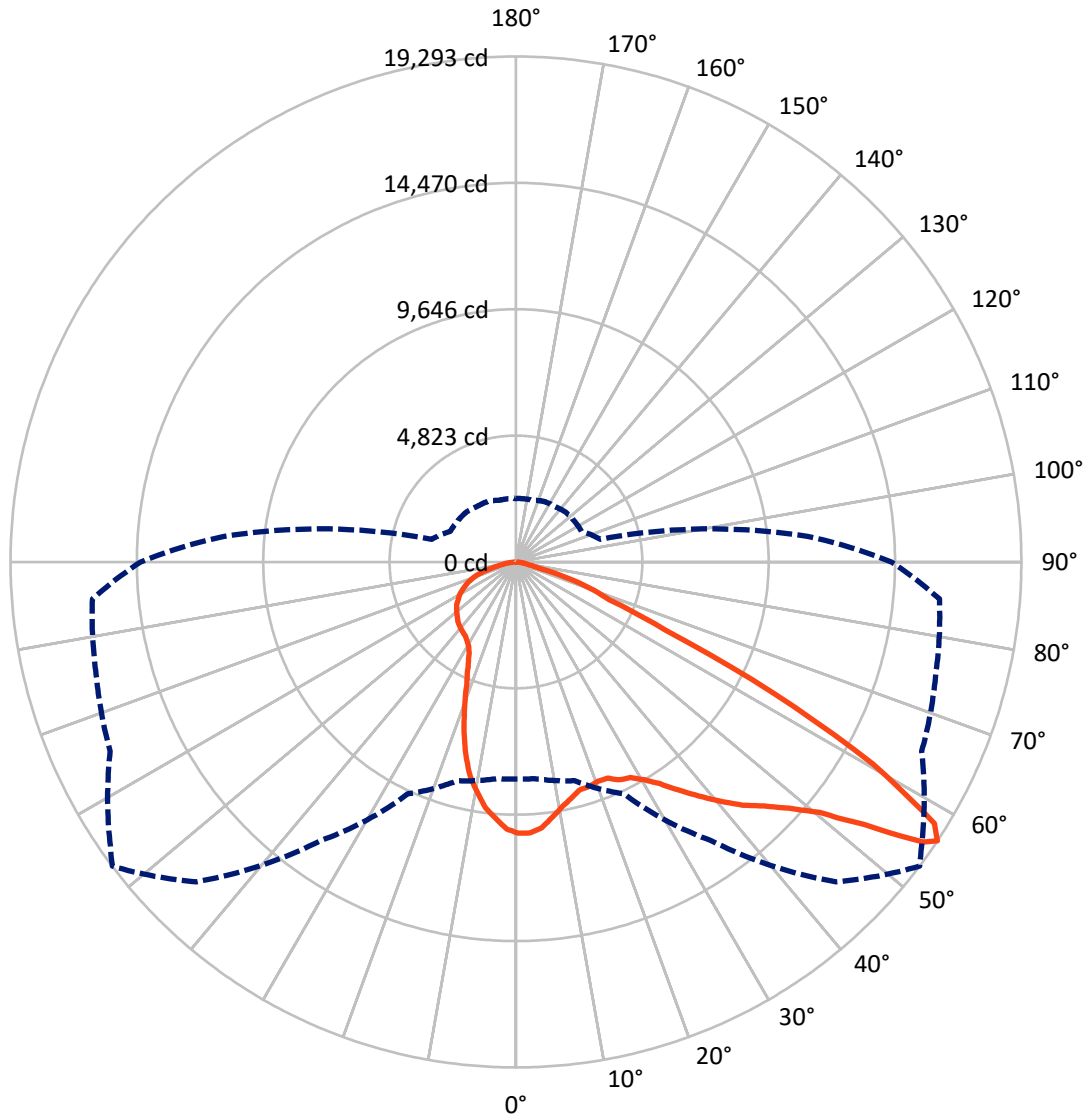
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

REPORT NUMBER: P531950
CATALOG NUMBER: GLAN-SA7B-735-U-SL2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9132.0	0.0	9132.0
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	22161.0	0.0	22161.0
	% Fixture	70.8	0.0	70.8
Total	Lumens	31293.0	0.0	31293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.5	2.9
10°-20°	2289.1	7.3
20°-30°	3375.5	10.8
30°-40°	4822.9	15.4
40°-50°	6638.1	21.2
50°-60°	7844.4	25.1
60°-70°	4180.6	13.4
70°-80°	1060.6	3.4
80°-90°	165.4	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°	31293.0	100.0
0°-180°	31293.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531950

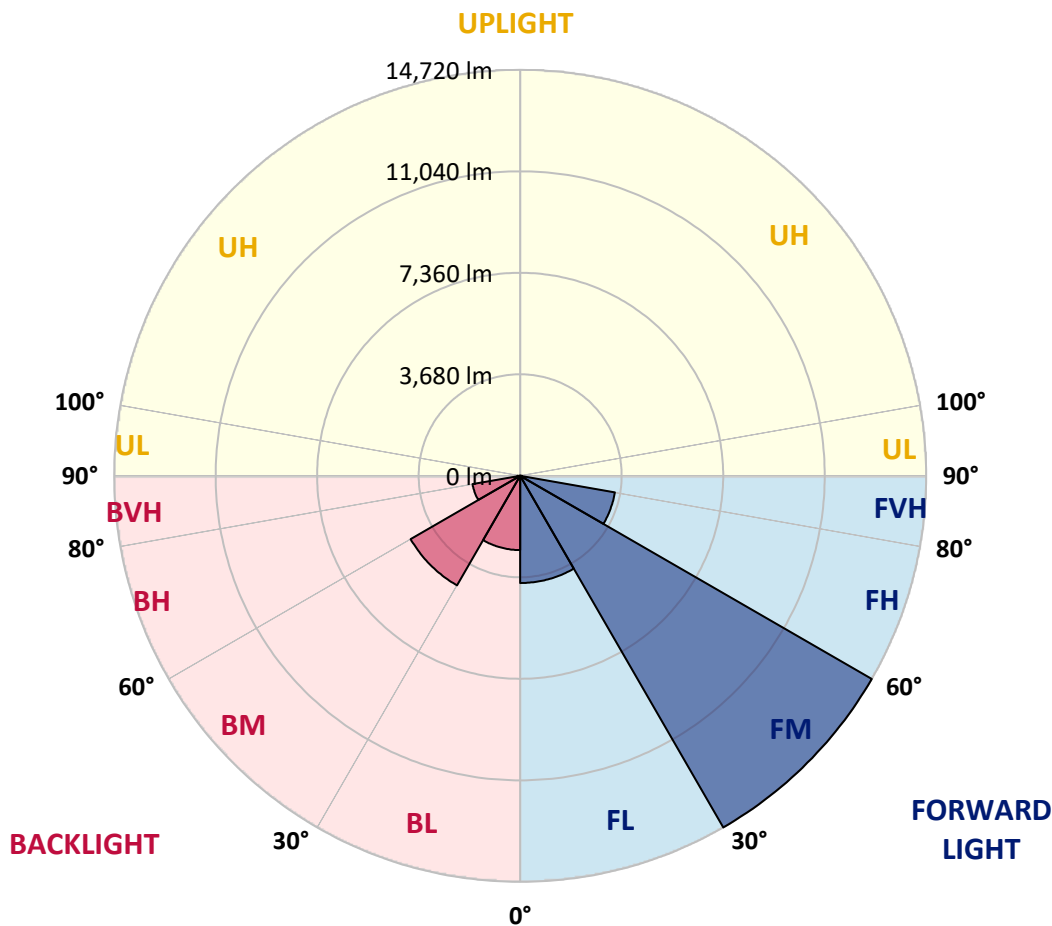
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3887.7	12.4			
FM (30°-60°)	14719.6	47.0			
FH (60°-80°)	3487.2	11.1			G2/5000
FVH (80°-90°)	66.5	0.2			G1/100
BL (0°-30°)	2693.4	8.6	B4/5000		
BM (30°-60°)	4585.8	14.7	B3/5000		
BH (60°-80°)	1753.9	5.6	B3/2500		G3/2500
BVH (80°-90°)	98.9	0.3			G1/100
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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CATALOG NUMBER: GLAN-SA7B-735-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0
2.5°	10224.5	10136.2	10188.4	10168.3	10332.9	10381.1	10357.0	10377.0	10469.4	10425.2	10332.9
5°	9554.1	9678.6	9702.6	9762.9	9859.2	10047.9	10196.4	10236.5	10280.7	10485.4	10465.4
7.5°	8943.9	9028.2	8984.1	9160.7	9369.4	9674.5	9855.2	9887.3	10292.7	10405.1	10489.4
10°	8558.6	8474.3	8675.0	8723.1	8960.0	9309.2	9526.0	9658.5	10027.8	10473.4	10525.6
12.5°	8201.3	8173.2	8293.6	8430.1	8695.0	9056.3	9277.1	9329.3	9899.3	10369.0	10613.9
15°	7936.3	7904.2	8024.6	8125.0	8434.1	8755.3	9036.3	9184.8	9758.8	10308.8	10537.6
17.5°	7727.6	7723.6	7791.8	7972.5	8289.6	8558.6	9012.2	9020.2	9686.6	10401.1	10601.8
20°	7715.5	7711.5	7723.6	7924.3	8213.3	8542.5	8935.9	9008.2	9686.6	10336.9	10605.9
22.5°	7815.9	7751.7	7823.9	7952.4	8161.1	8570.6	8964.0	9124.6	9919.4	10654.0	10786.5
25°	7976.5	7992.5	8032.7	8076.8	8197.3	8634.8	9212.9	9345.4	10192.4	10927.0	11035.4
27.5°	8269.5	8261.5	8277.5	8301.6	8406.0	8695.0	9313.2	9654.5	10762.4	11412.7	11304.4
30°	8699.1	8671.0	8735.2	8819.5	8723.1	8887.7	9646.4	9903.4	11292.3	11902.5	11605.4
32.5°	9088.4	9192.8	9313.2	9349.4	9233.0	9265.1	10088.0	10348.9	11733.9	12504.6	11974.7
35°	9574.2	9658.5	9819.1	9931.5	9911.4	9815.0	10690.2	11035.4	12372.2	12946.2	12364.1
37.5°	10047.9	10148.2	10413.2	10746.4	10561.7	10517.5	11332.5	11617.5	12568.9	13183.1	12649.2
40°	10810.6	10806.6	11264.2	11436.8	11601.4	11525.1	11998.8	12095.2	12673.2	13130.9	12657.2
42.5°	11705.8	11649.6	12115.2	12384.2	12597.0	12605.0	12693.3	12661.2	12721.4	12865.9	12572.9
45°	12556.8	12677.3	13146.9	13628.7	13841.4	13865.5	13279.4	13219.2	12805.7	12789.7	12412.3
47.5°	13596.5	13624.6	14010.0	14644.3	15138.0	14969.4	14038.1	13905.6	13175.0	13299.5	12681.3
50°	13656.8	13865.5	14210.7	14957.4	16474.8	16430.7	15021.6	14772.7	13769.2	14022.1	13431.9
52.5°	12396.3	12348.1	12757.5	13977.9	16374.5	17883.8	16651.4	16057.3	15045.7	14853.0	14648.3
55°	9445.7	9558.1	9919.4	11151.8	14218.8	17903.9	18871.4	18385.6	16410.6	16081.4	15844.6
56°	8285.6	8301.6	8642.9	9766.9	12974.3	17265.6	19292.9	18899.5	17089.0	16587.2	16225.9
57.5°	6868.5	6776.2	6952.8	7567.0	10951.1	15916.8	18831.2	19216.6	17883.8	17133.2	16631.4
60°	5407.3	5387.2	5315.0	5427.4	6920.7	11990.8	15676.0	16543.1	17803.6	16619.3	15928.9
62.5°	4415.8	4315.4	4459.9	4620.5	4809.2	7438.6	11015.3	11525.1	14134.5	13267.4	11966.7
65°	3424.2	3376.1	3556.7	4078.6	4191.0	4724.9	6274.4	6667.8	8345.8	8197.3	7217.8
67.5°	2356.4	2364.4	2521.0	3315.8	3885.9	3837.7	3841.7	4046.4	4355.5	3235.6	2818.1
70°	1493.3	1489.3	1573.6	2135.6	3127.2	3159.3	2998.7	2938.5	2785.9	1686.0	1786.4
72.5°	959.4	931.3	975.5	1180.2	1617.8	1870.7	1926.9	1963.0	1613.8	1324.7	1437.1
75°	541.9	513.8	497.8	550.0	638.3	738.6	810.9	835.0	935.3	1003.6	1063.8
77.5°	164.6	148.5	180.6	240.9	317.1	425.5	517.8	533.9	630.2	710.5	770.8
80°	72.3	80.3	112.4	160.6	224.8	301.1	365.3	389.4	453.6	513.8	529.9
82.5°	44.2	48.2	76.3	108.4	156.6	212.8	260.9	269.0	333.2	381.4	393.4
85°	16.1	20.1	40.1	64.2	100.4	136.5	136.5	148.5	136.5	136.5	148.5
87.5°	0.0	0.0	4.0	8.0	8.0	12.0	16.1	16.1	20.1	24.1	28.1
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°	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0	10353.0
2.5°	10381.1	10361.0	10328.9	10212.5	10200.4	10164.3	9963.6	9931.5	9963.6	9867.2	9875.3
5°	10361.0	10421.2	10180.3	10063.9	9847.2	9690.6	9509.9	9417.6	9253.0	9148.7	9265.1
7.5°	10449.3	10425.2	10124.1	9871.2	9546.1	9148.7	8831.5	8650.9	8361.8	8281.6	8341.8
10°	10417.2	10288.7	9935.5	9602.3	8988.1	8638.8	8125.0	7627.2	7354.3	7213.8	7193.7
12.5°	10373.0	10336.9	9746.8	9172.7	8526.4	7791.8	7069.2	6599.6	6154.0	5961.3	5989.4
15°	10425.2	10120.1	9393.5	8666.9	7807.9	6844.4	6065.7	5459.5	5150.4	5025.9	5025.9
17.5°	10401.1	10015.8	9224.9	8100.9	7013.0	5873.0	5017.9	4652.6	4524.2	4524.2	4560.3
20°	10413.2	10084.0	8883.7	7534.9	6073.7	4945.7	4323.4	4191.0	4247.2	4267.2	4287.3
22.5°	10481.4	9859.2	8550.5	6912.7	5202.6	4231.1	3926.0	3930.0	4030.4	4138.8	4118.7
25°	10565.7	9770.9	8145.1	6294.5	4536.2	3881.9	3785.5	3773.5	3849.7	3905.9	3914.0
27.5°	10493.5	9618.3	7731.6	5523.7	3990.2	3649.0	3629.0	3637.0	3661.1	3773.5	3737.3
30°	10730.3	9662.5	7213.8	4877.4	3689.2	3572.8	3548.7	3536.6	3572.8	3604.9	3576.8
32.5°	11023.4	9505.9	6828.4	4255.2	3540.6	3516.6	3468.4	3452.3	3472.4	3440.3	3456.3
35°	11151.8	9477.8	6326.6	3809.6	3424.2	3404.2	3376.1	3372.0	3376.1	3348.0	3323.9
37.5°	11224.1	9610.3	5752.5	3604.9	3352.0	3372.0	3307.8	3299.8	3227.5	3243.6	3255.6
40°	11348.5	9405.6	5286.9	3408.2	3307.8	3267.7	3211.5	3199.4	3151.2	3123.1	3151.2
42.5°	11167.9	9345.4	4829.2	3323.9	3243.6	3199.4	3159.3	3091.0	3075.0	3050.9	3034.8
45°	11023.4	9000.1	4419.8	3219.5	3167.3	3143.2	3066.9	2994.7	2934.5	2958.6	2922.4
47.5°	11131.7	8879.7	4014.3	3131.2	3062.9	3034.8	2958.6	2902.4	2842.1	2814.0	2806.0
50°	11565.3	9104.5	3673.1	3066.9	2974.6	2958.6	2858.2	2794.0	2737.8	2717.7	2725.7
52.5°	12601.0	9718.7	3440.3	2934.5	2890.3	2818.1	2761.9	2681.6	2645.4	2581.2	2621.4
55°	13913.7	10718.3	3380.1	2810.0	2785.9	2721.7	2645.4	2585.2	2517.0	2464.8	2452.8
56°	14335.2	11196.0	3331.9	2761.9	2721.7	2685.6	2585.2	2549.1	2440.7	2428.7	2420.6
57.5°	14676.4	11617.5	3339.9	2669.5	2629.4	2597.3	2537.1	2448.7	2376.5	2332.3	2352.4
60°	13905.6	10874.8	3187.4	2529.0	2521.0	2460.8	2376.5	2336.3	2248.0	2195.8	2183.8
62.5°	10336.9	7382.4	2585.2	2348.4	2344.4	2280.1	2183.8	2139.6	2123.6	2051.3	2051.3
65°	5953.3	4628.5	2236.0	2199.9	2167.7	2103.5	2007.2	1971.0	1930.9	1906.8	1886.7
67.5°	2541.1	2400.6	2031.3	2027.2	1991.1	1910.8	1814.5	1758.3	1706.1	1657.9	1682.0
70°	1842.6	1870.7	1834.5	1814.5	1770.3	1670.0	1585.7	1517.4	1437.1	1405.0	1429.1
72.5°	1461.2	1521.4	1573.6	1577.6	1525.4	1409.0	1316.7	1224.4	1136.1	1091.9	1112.0
75°	1108.0	1148.1	1200.3	1212.3	1136.1	1055.8	967.5	871.1	802.9	750.7	758.7
77.5°	798.9	790.8	839.0	831.0	794.8	738.6	658.4	570.0	493.8	445.6	449.6
80°	545.9	558.0	586.1	582.1	537.9	501.8	441.6	369.3	313.1	273.0	264.9
82.5°	381.4	401.4	425.5	405.4	369.3	333.2	289.0	236.8	192.7	160.6	152.5
85°	136.5	156.6	180.6	192.7	204.7	196.7	164.6	132.5	96.3	80.3	76.3
87.5°	28.1	32.1	36.1	36.1	36.1	32.1	28.1	28.1	24.1	12.0	12.0
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)