

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: P383325

Luminaire Tested: **GLEON-SA6B-735-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31616.7 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

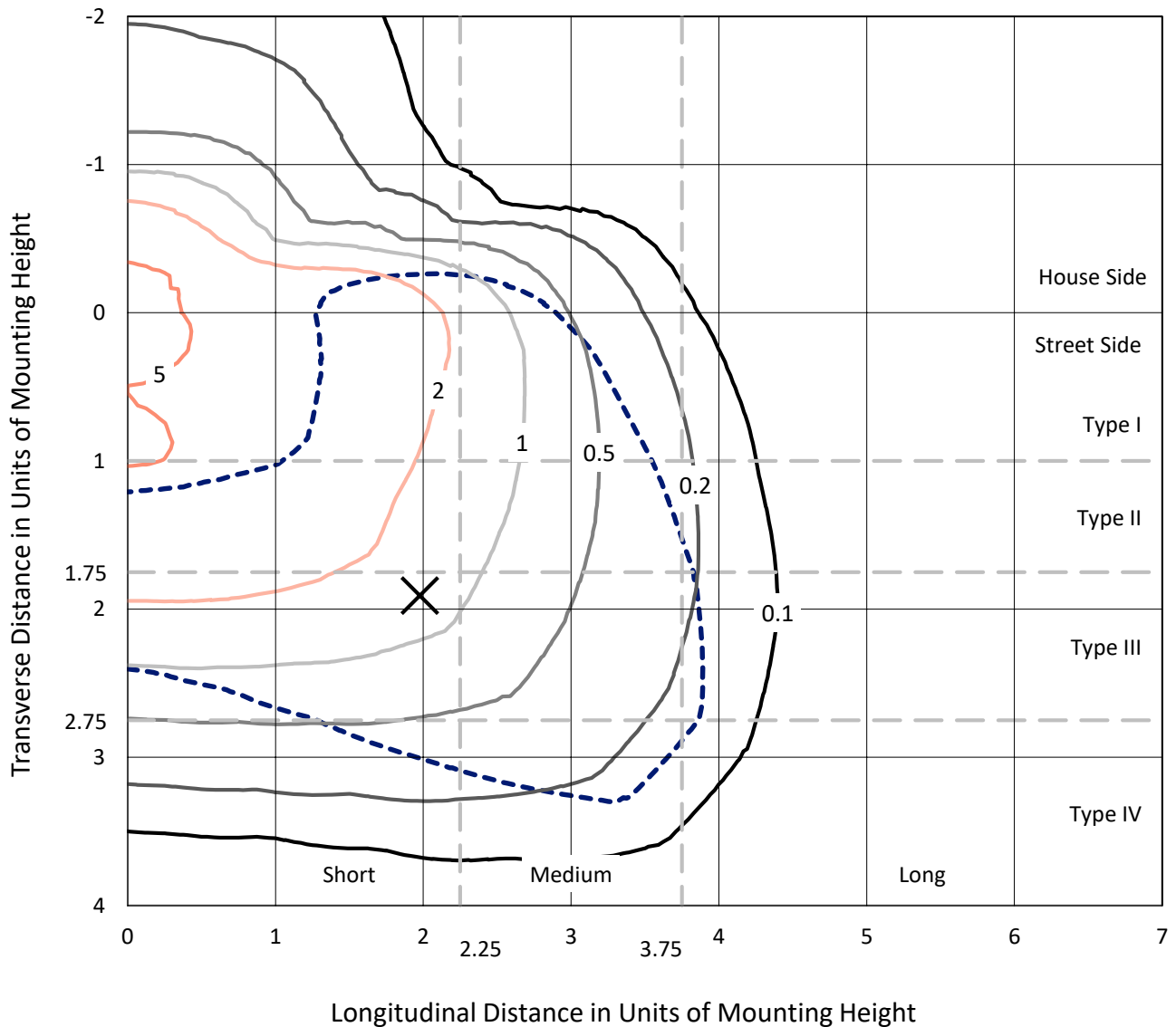
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

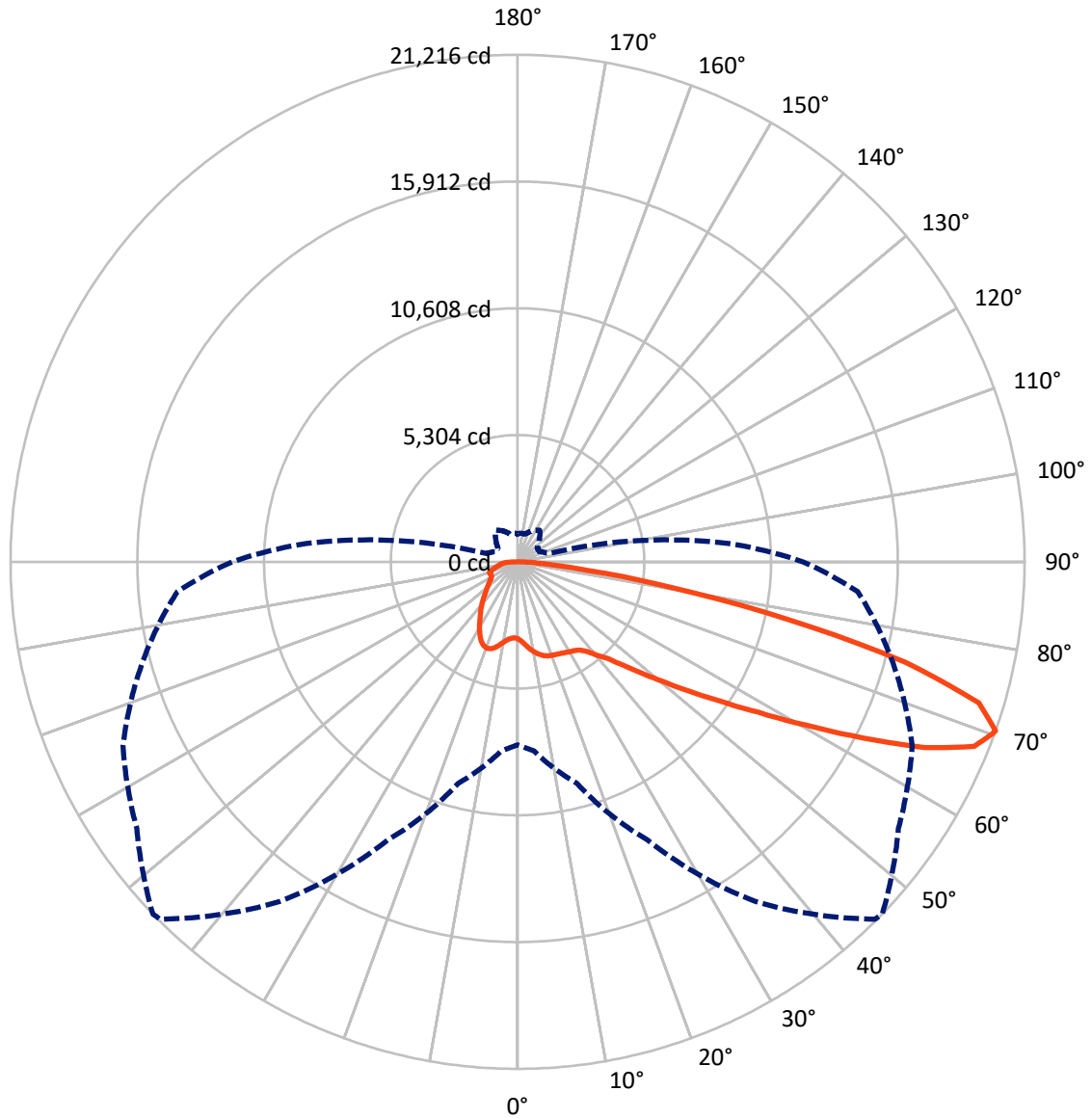
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7246.5	0.0	7246.5
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	24370.3	0.0	24370.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	31616.7	0.0	31616.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.4	1.0
10°-20°	1094.0	3.5
20°-30°	1824.2	5.8
30°-40°	2588.6	8.2
40°-50°	3807.7	12.0
50°-60°	6448.3	20.4
60°-70°	9153.3	29.0
70°-80°	5560.7	17.6
80°-90°	811.5	2.6
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°	31616.7	100.0
0°-180°	31616.7	100.0

Coefficient of Utilization



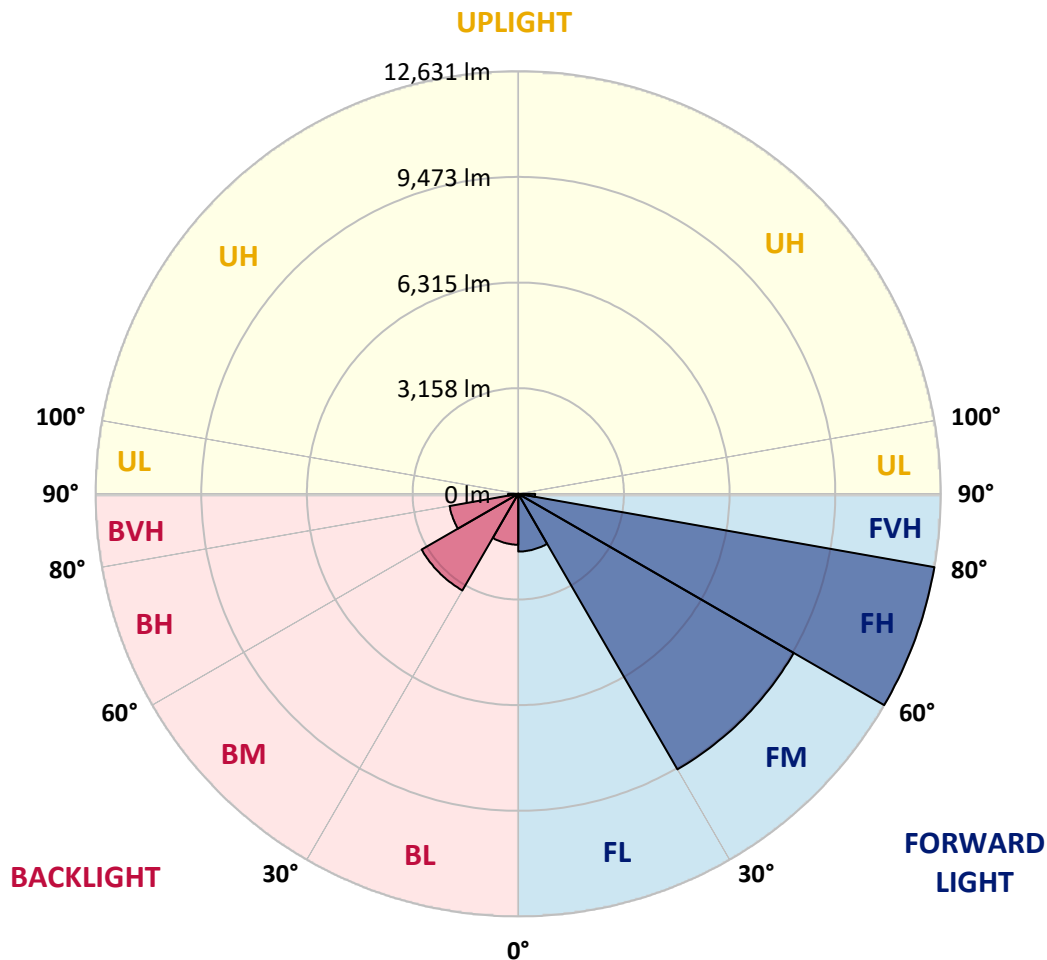
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1725.2	5.5			
FM (30°-60°)	9508.9	30.1			
FH (60°-80°)	12630.7	39.9			G5
FVH (80°-90°)	505.5	1.6			G4/750
BL (0°-30°)	1521.4	4.8	B3/2500		
BM (30°-60°)	3335.7	10.6	B3/5000		
BH (60°-80°)	2083.3	6.6	B3/2500		G3/2500
BVH (80°-90°)	306.0	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1
2.5°	3382.4	3384.5	3388.9	3378.0	3347.7	3339.0	3335.8	3304.5	3283.9	3253.6	3227.6
5°	3652.9	3655.0	3648.5	3618.2	3551.2	3501.4	3497.0	3425.6	3360.7	3291.4	3239.5
7.5°	3935.2	3938.5	3917.9	3860.6	3766.4	3679.9	3674.5	3577.1	3478.7	3373.7	3295.8
10°	4185.2	4172.2	4138.7	4058.6	3947.2	3841.1	3836.8	3735.0	3621.5	3494.9	3391.0
12.5°	4351.8	4341.0	4297.7	4200.3	4078.0	3980.7	3972.0	3877.9	3767.6	3629.0	3504.6
15°	4443.8	4451.4	4392.9	4282.6	4163.6	4081.3	4073.8	4006.7	3908.2	3768.6	3625.8
17.5°	4455.7	4462.2	4405.9	4296.7	4199.2	4143.0	4139.7	4095.4	4024.0	3889.8	3740.4
20°	4386.5	4390.8	4344.3	4254.5	4190.6	4173.3	4172.2	4152.7	4099.7	3980.7	3835.7
22.5°	4285.8	4289.0	4255.5	4190.6	4169.0	4196.0	4203.6	4196.0	4158.1	4046.7	3910.4
25°	4260.9	4258.8	4224.1	4158.1	4176.5	4233.9	4243.7	4246.8	4220.9	4123.5	4005.6
27.5°	4381.1	4373.4	4307.5	4201.5	4213.3	4282.6	4295.6	4326.9	4310.7	4225.2	4113.8
30°	4728.3	4715.4	4580.1	4365.9	4307.5	4343.2	4359.4	4409.2	4412.4	4341.0	4257.7
32.5°	5314.8	5298.5	5056.2	4673.2	4466.5	4404.8	4420.0	4494.6	4534.7	4479.5	4389.7
35°	6056.0	6037.5	5719.5	5195.8	4732.7	4522.8	4533.6	4593.1	4673.2	4595.2	4476.3
37.5°	6828.5	6784.2	6478.0	5810.3	5155.7	4774.9	4774.9	4782.5	4820.3	4658.0	4578.0
40°	7596.8	7552.4	7275.4	6533.1	5703.2	5172.0	5147.1	4979.4	4949.1	4809.5	4782.5
42.5°	8310.9	8297.9	8134.5	7350.1	6346.0	5562.6	5528.0	5243.4	5249.9	5163.3	5164.4
45°	9070.5	9070.5	8937.4	8174.5	7094.7	6190.1	6155.5	5736.7	5801.7	5761.7	5857.9
47.5°	9690.4	9709.9	9691.5	9033.7	7965.8	6987.5	6924.8	6420.6	6602.3	6739.8	7020.0
50°	10323.4	10353.7	10356.9	9976.0	9018.5	7935.4	7864.0	7328.4	7734.2	8128.0	8678.8
52.5°	11242.0	11310.2	11038.6	10916.3	10308.2	9060.7	8990.4	8495.9	9173.2	9726.1	10675.1
55°	12093.5	12034.0	11840.3	11916.1	11688.9	10341.8	10288.8	9854.9	10776.8	11495.2	12727.6
57.5°	12554.5	12550.2	12745.0	13069.5	13177.8	11921.5	11877.1	11455.1	12584.7	13124.7	14654.6
60°	13095.5	13103.1	13585.6	14322.5	14768.3	13888.6	13869.2	13548.9	14340.9	14646.0	16166.3
62.5°	13171.2	13307.5	14138.6	15406.7	16257.1	16186.8	16230.1	15434.8	15912.0	15860.0	17294.7
65°	12300.2	12479.9	13983.8	15734.5	17737.3	18700.3	18740.3	17331.5	17150.8	16897.6	17698.4
67.5°	10514.9	10781.1	12414.9	15021.5	18225.3	20558.0	20614.3	18802.0	18178.8	17249.3	16726.7
70°	7651.9	7947.3	9592.0	12829.3	17355.4	21152.1	21215.9	19452.3	18217.7	16248.4	14279.2
72.5°	4622.3	4853.8	6209.6	9444.8	14648.2	20070.1	20183.7	18627.8	16632.6	13763.1	10544.1
75°	2029.8	2181.3	3002.6	5442.5	10486.8	16605.5	16747.3	15944.4	13514.2	10002.0	6232.3
77.5°	864.5	907.8	1231.3	2364.2	5928.3	11347.0	11541.8	11649.9	9168.9	5442.5	2633.6
80°	538.8	556.1	696.8	1070.1	2774.2	6373.0	6582.9	6854.5	4553.0	2000.6	919.7
82.5°	327.8	347.3	463.1	647.1	1444.5	2888.9	2989.6	3181.0	1766.9	864.5	476.1
85°	196.9	211.0	283.5	409.0	822.3	1136.1	1135.0	1255.2	832.1	556.1	251.1
87.5°	94.2	105.0	151.5	212.1	414.4	426.3	399.3	452.3	505.3	364.6	126.6
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°	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1	3221.1
2.5°	3219.0	3214.7	3200.6	3189.7	3187.6	3181.0	3175.6	3178.9	3183.3	3184.3	3184.3
5°	3217.8	3206.0	3187.6	3180.0	3189.7	3202.8	3219.0	3240.6	3253.6	3263.3	3269.8
7.5°	3269.8	3247.1	3226.5	3222.2	3241.7	3276.3	3313.1	3358.5	3389.9	3411.5	3415.9
10°	3356.4	3328.2	3307.6	3312.0	3346.7	3396.4	3448.3	3506.8	3554.4	3583.6	3585.8
12.5°	3455.9	3428.8	3409.4	3427.8	3485.1	3545.7	3599.9	3650.6	3694.0	3723.2	3723.2
15°	3570.6	3551.2	3528.4	3570.6	3648.5	3702.6	3725.4	3750.2	3774.1	3795.7	3791.3
17.5°	3681.0	3662.6	3650.6	3700.5	3781.6	3806.5	3791.3	3773.0	3773.0	3784.9	3787.0
20°	3776.2	3760.0	3767.6	3816.3	3858.5	3832.5	3776.2	3717.8	3694.0	3700.5	3706.9
22.5°	3859.5	3851.9	3874.7	3897.4	3867.0	3776.2	3672.3	3593.4	3564.1	3562.0	3564.1
25°	3956.8	3955.8	3983.9	3942.9	3808.6	3641.0	3501.4	3424.6	3408.3	3421.3	3442.9
27.5°	4078.0	4090.0	4104.0	3953.7	3689.7	3436.5	3294.7	3241.7	3257.9	3289.3	3309.9
30°	4232.8	4265.3	4235.0	3926.6	3518.6	3202.8	3067.5	3052.3	3096.7	3141.1	3162.7
32.5°	4383.2	4434.1	4360.5	3856.2	3298.0	2955.0	2850.0	2845.7	2899.8	2943.0	2973.3
35°	4504.4	4605.0	4454.6	3716.7	3042.6	2726.6	2649.8	2620.6	2640.1	2691.0	2725.5
37.5°	4662.4	4830.1	4519.5	3503.6	2765.6	2538.4	2448.6	2381.5	2364.2	2384.8	2402.1
40°	4951.3	5173.1	4549.9	3206.0	2495.1	2350.1	2259.2	2160.7	2092.6	2042.8	2043.9
42.5°	5423.0	5619.9	4530.4	2844.6	2245.1	2166.1	2063.4	1949.7	1839.4	1726.9	1718.2
45°	6189.0	6284.3	4471.9	2461.5	2025.6	1973.6	1877.3	1763.7	1616.5	1488.8	1477.0
47.5°	7414.9	7203.9	4381.1	2127.2	1831.8	1810.2	1721.5	1590.5	1434.8	1331.9	1323.3
50°	9086.7	8531.6	4336.6	1861.0	1660.9	1667.4	1594.9	1456.4	1309.2	1233.5	1224.8
52.5°	11086.3	10077.8	4422.1	1655.5	1523.5	1546.2	1492.1	1362.2	1238.9	1179.3	1170.8
55°	13160.4	11679.2	4514.1	1506.1	1393.6	1437.9	1419.6	1312.5	1201.0	1145.8	1138.3
57.5°	14936.0	12874.7	4330.2	1384.9	1277.8	1347.1	1363.3	1281.1	1181.6	1131.7	1123.1
60°	16053.7	13356.3	3847.6	1271.4	1185.9	1274.6	1330.9	1272.4	1189.1	1184.8	1178.3
62.5°	16583.9	13314.1	3123.8	1181.6	1128.6	1243.2	1354.7	1321.1	1275.7	1314.6	1317.9
65°	16345.9	12677.8	2326.4	1122.0	1087.4	1255.2	1426.1	1413.1	1300.5	1339.6	1345.0
67.5°	14779.1	11159.8	1722.5	1070.1	1041.9	1288.7	1556.0	1443.4	1251.9	1280.0	1262.7
70°	11945.3	8847.6	1328.7	1011.7	995.5	1284.3	1614.4	1425.0	1198.9	1205.3	1158.8
72.5°	8237.3	6033.3	1081.0	957.5	928.4	1170.8	1573.2	1379.5	1154.5	1104.7	1043.1
75°	4479.5	3238.4	918.6	901.3	810.4	1027.9	1497.5	1347.1	1114.5	1048.5	1013.8
77.5°	1762.6	1343.9	797.4	824.5	708.7	907.8	1413.1	1285.4	1059.3	972.7	955.4
80°	719.5	686.0	661.1	713.0	609.1	794.1	1311.4	1213.0	993.3	902.4	867.7
82.5°	407.9	426.3	513.9	562.7	494.5	731.5	1262.7	1154.5	914.3	808.2	767.1
85°	208.9	249.9	358.2	403.5	363.6	622.2	1163.1	1010.6	733.6	618.9	622.2
87.5°	100.6	139.5	226.2	253.2	235.9	450.1	868.9	732.5	571.3	452.3	438.2
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)