

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: P956983

Luminaire Tested: **GALN-SB9C-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43065 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 449.8
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



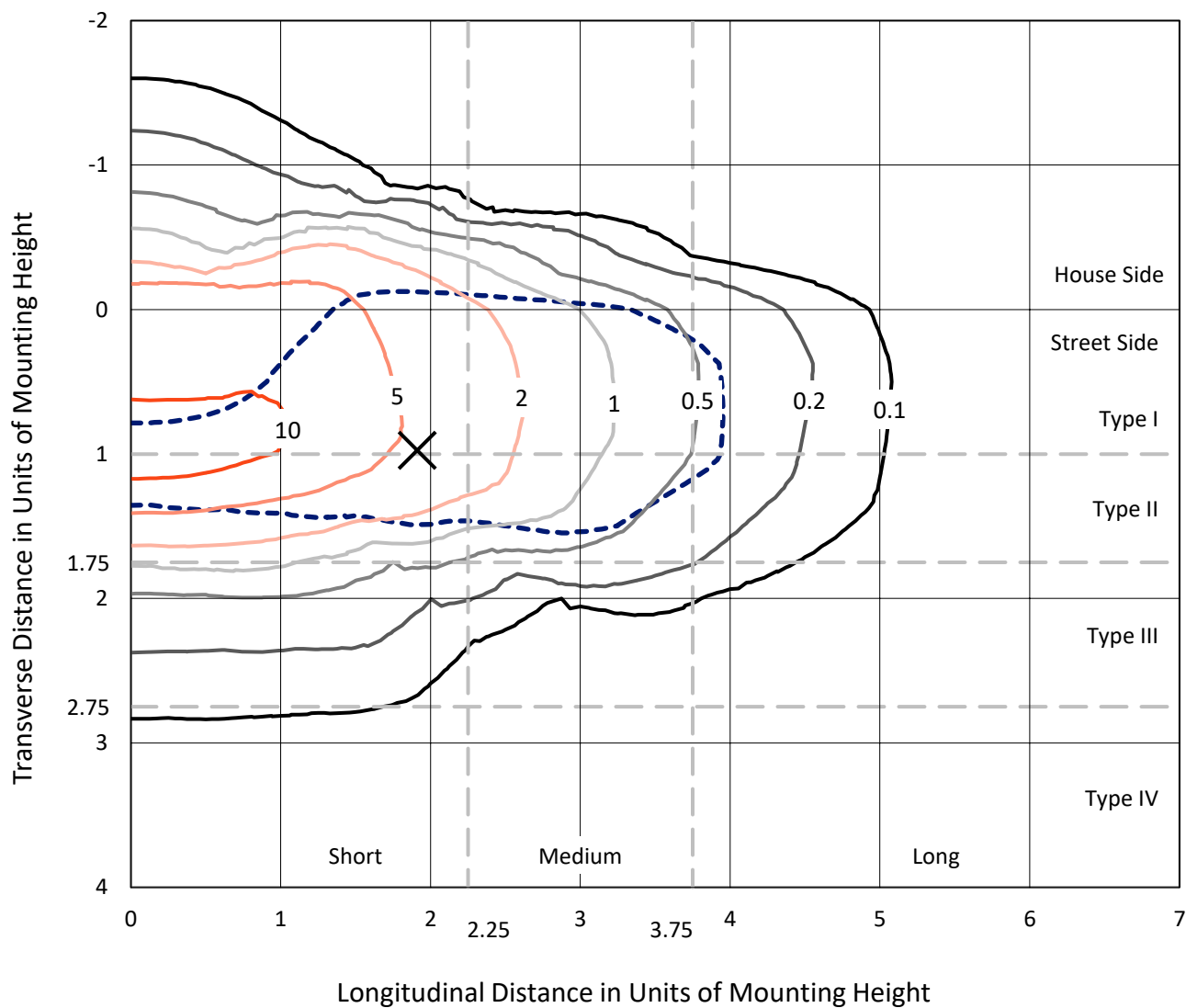
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

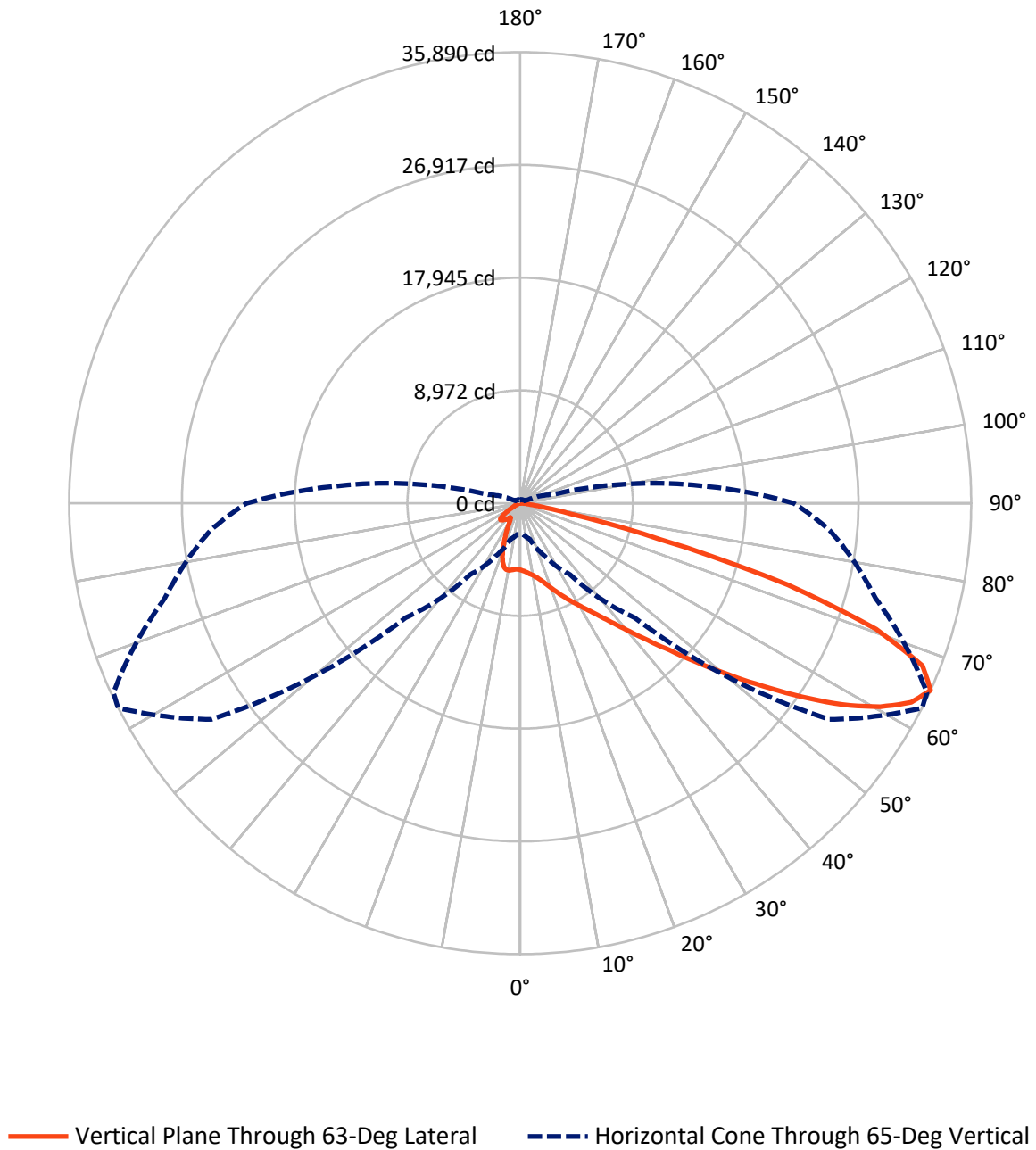


Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6330.2	0.0	6330.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	36734.8	0.0	36734.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	43065.0	0.0	43065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.8	1.2
10°-20°	1389.5	3.2
20°-30°	2419.4	5.6
30°-40°	4360.8	10.1
40°-50°	8648.8	20.1
50°-60°	11781.1	27.4
60°-70°	9403.6	21.8
70°-80°	4255.3	9.9
80°-90°	305.9	0.7
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°	43065.0	100.0
0°-180°	43065.0	100.0

Coefficient of Utilization



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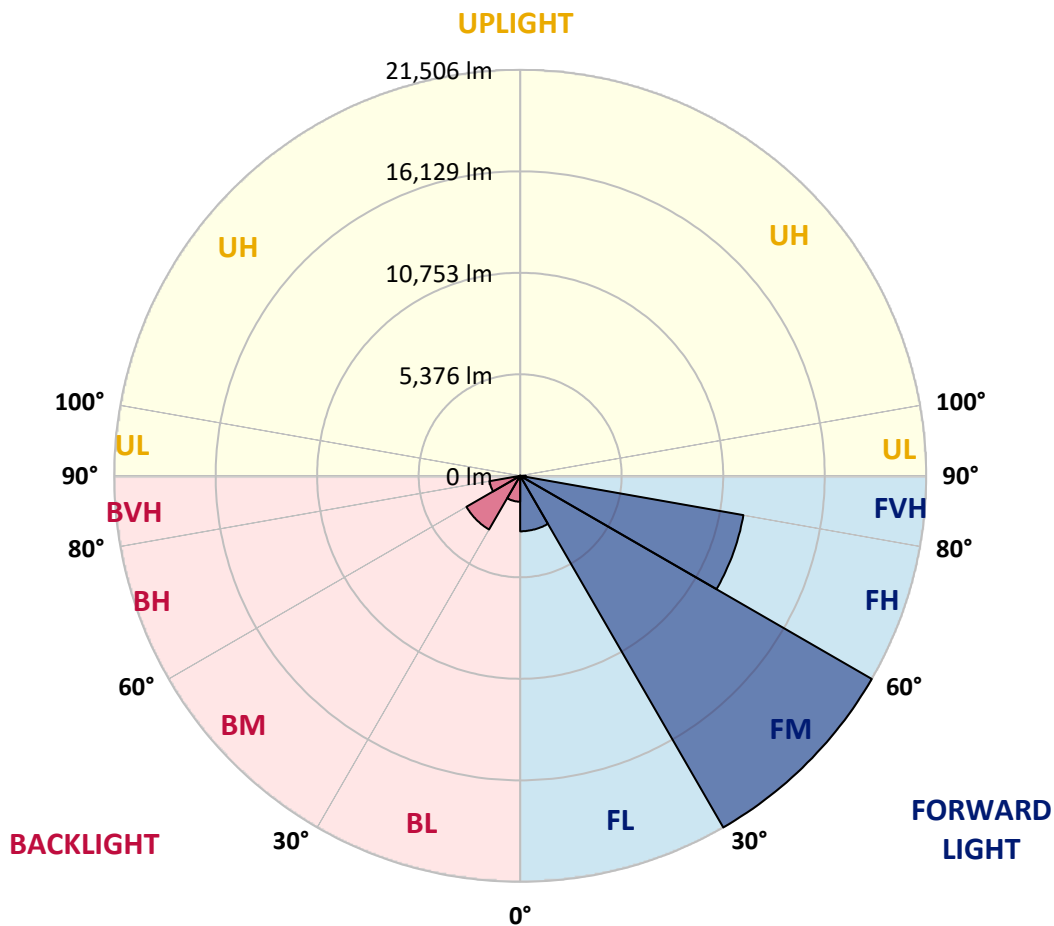
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2939.7	6.8			
FM	(30°-60°)	21505.6	49.9			
FH	(60°-80°)	12006.3	27.9			G5
FVH	(80°-90°)	283.2	0.7			G3/500
BL	(0°-30°)	1370.0	3.2	B3/2500		
BM	(30°-60°)	3285.0	7.6	B3/5000		
BH	(60°-80°)	1652.6	3.8	B3/2500		G3/2500
BVH	(80°-90°)	22.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0
2.5°	5439.5	5424.7	5445.4	5436.5	5430.6	5418.7	5412.8	5406.9	5395.0	5386.1	5350.6
5°	5454.3	5445.4	5466.1	5483.9	5501.7	5519.5	5528.3	5540.2	5528.3	5504.6	5469.1
7.5°	5329.8	5323.9	5368.4	5421.7	5501.7	5569.8	5643.9	5685.4	5688.3	5679.4	5640.9
10°	5321.0	5306.1	5350.6	5415.8	5519.5	5640.9	5771.3	5860.2	5872.0	5910.5	5869.1
12.5°	5460.2	5445.4	5507.6	5578.7	5685.4	5812.8	5972.7	6097.2	6115.0	6168.3	6138.7
15°	5694.3	5673.5	5744.6	5836.5	5972.7	6117.9	6286.8	6399.4	6414.2	6479.4	6426.0
17.5°	5966.8	5946.1	6029.0	6126.8	6274.9	6473.4	6669.0	6793.4	6811.2	6852.7	6754.9
20°	6316.4	6289.8	6354.9	6443.8	6600.8	6837.8	7071.9	7249.7	7246.7	7246.7	7086.7
22.5°	6722.3	6680.8	6737.1	6808.2	6956.4	7243.7	7554.8	7765.2	7765.2	7682.2	7418.5
25°	7157.8	7116.3	7178.6	7243.7	7374.1	7700.0	8064.4	8325.1	8337.0	8194.8	7774.1
27.5°	7702.9	7649.6	7697.0	7774.1	7851.1	8182.9	8615.5	8917.6	8923.6	8704.3	8111.8
30°	8751.7	8600.6	8452.5	8369.6	8405.1	8734.0	9196.1	9530.9	9560.5	9258.4	8479.2
32.5°	10671.5	10641.9	10120.5	9439.1	9083.6	9326.5	9845.0	10247.9	10265.7	9877.6	8956.2
35°	13655.0	13619.4	12781.0	11483.3	10324.9	10120.5	10633.0	11110.0	11098.2	10659.7	9575.4
37.5°	17216.1	17183.5	16078.4	14342.3	12466.9	11320.4	11649.2	12149.9	12224.0	11649.2	10375.3
40°	20258.8	20137.3	19438.1	17764.2	15311.1	13311.3	13095.0	13426.8	13503.9	12822.4	11391.5
42.5°	22563.7	22460.0	22104.5	21058.7	18753.7	16256.2	14798.5	14925.9	15011.9	14194.2	12558.8
45°	23757.7	23734.0	23876.2	23778.4	22261.5	19870.6	17233.9	16703.5	16736.1	15714.0	13883.1
47.5°	23926.5	23914.7	24563.5	25481.9	25277.5	23947.3	20359.5	18919.6	18804.1	17429.4	15322.9
50°	22931.1	22907.4	24151.7	25873.0	27292.1	27372.1	23908.8	21417.2	21162.4	19204.0	16825.0
52.5°	19752.1	19746.2	21790.5	24655.4	28000.2	30370.4	27416.6	24160.6	23734.0	21082.4	18413.0
55°	15198.5	15308.1	17651.6	21037.9	26708.5	31813.2	30565.9	27206.2	26551.5	22972.6	19876.6
57.5°	10766.4	10926.3	13243.1	16259.1	22703.0	30959.9	32696.1	30257.8	29552.7	24856.8	21360.9
60°	5783.1	5925.3	8245.1	11844.8	16890.2	27778.0	33818.9	32906.4	32239.8	26646.3	22700.0
62.5°	3445.6	3493.0	4452.9	7646.7	11424.1	21221.6	33341.9	34924.0	34375.9	28148.4	23864.3
65°	2473.8	2482.7	2965.6	4669.2	6935.6	12893.6	29997.1	35889.8	35720.9	29280.1	24726.5
67.5°	2082.8	2076.8	2278.3	3101.9	4725.5	6458.6	22990.3	34524.0	35241.0	29997.1	25215.3
70°	1786.5	1795.4	2032.4	2272.4	3552.2	3655.9	11430.0	30059.3	31588.0	30186.7	25185.7
72.5°	1330.2	1359.9	1579.1	2070.9	2681.2	2515.3	3946.3	22288.2	25052.4	28441.7	23879.1
75°	939.2	954.0	1111.0	1742.1	1999.8	1830.9	2014.6	11521.8	15065.2	21805.3	19544.8
77.5°	722.9	749.6	841.4	1217.7	1970.2	1285.8	1232.5	3987.8	6126.8	13172.0	13400.2
80°	391.1	438.5	607.3	879.9	1383.6	909.5	610.3	1588.0	2076.8	6159.4	5166.9
82.5°	201.5	225.2	423.7	634.0	788.1	794.0	302.2	660.7	856.2	1902.0	708.1
85°	80.0	97.8	284.4	349.6	405.9	391.1	136.3	266.6	308.1	527.4	216.3
87.5°	17.8	29.6	103.7	80.0	77.0	83.0	32.6	62.2	59.3	62.2	38.5
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°	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0	5315.0
2.5°	5347.6	5335.8	5303.2	5267.6	5226.2	5202.5	5187.6	5184.7	5163.9	5149.1	5163.9
5°	5436.5	5424.7	5362.4	5288.4	5208.4	5146.2	5086.9	5033.6	4956.6	4941.7	4935.8
7.5°	5614.3	5581.7	5480.9	5380.2	5229.1	5048.4	4829.2	4577.3	4352.2	4284.0	4251.4
10°	5833.5	5789.1	5661.7	5483.9	5149.1	4657.3	4127.0	3635.2	3244.1	3134.5	3093.0
12.5°	6082.4	6043.9	5875.0	5546.1	4814.3	3922.6	3110.8	2500.5	2121.3	2026.5	1999.8
15°	6378.6	6322.3	6088.3	5451.3	4215.9	2980.4	2136.1	1774.6	1638.4	1620.6	1602.8
17.5°	6692.7	6600.8	6277.9	5110.6	3410.0	2118.3	1650.2	1546.5	1487.3	1469.5	1460.6
20°	6980.1	6861.5	6390.5	4595.1	2547.9	1650.2	1478.4	1410.2	1356.9	1336.2	1324.3
22.5°	7267.4	7098.6	6390.5	3893.0	1910.9	1463.6	1356.9	1294.7	1232.5	1205.8	1191.0
25°	7566.7	7341.5	6277.9	3110.8	1537.6	1342.1	1241.4	1173.2	1119.9	1087.3	1075.5
27.5°	7857.0	7545.9	6020.2	2370.1	1368.8	1235.4	1134.7	1069.5	1019.2	995.5	995.5
30°	8132.5	7747.4	5658.7	1798.3	1259.1	1131.7	1036.9	980.6	930.3	906.6	909.5
32.5°	8505.8	8002.2	5273.6	1475.4	1164.3	1034.0	948.1	894.7	850.3	832.5	832.5
35°	9024.3	8378.4	4941.7	1448.7	1084.3	954.0	868.1	817.7	773.3	758.4	758.4
37.5°	9759.0	8985.8	4766.9	1626.5	1019.2	882.9	802.9	749.6	708.1	696.2	693.3
40°	10665.6	9809.4	4861.7	1804.3	974.7	820.7	743.6	690.3	654.8	639.9	637.0
42.5°	11741.1	10825.6	5386.1	1940.6	945.1	767.3	687.3	628.1	604.4	598.5	598.5
45°	12976.5	11942.5	6189.0	2085.7	897.7	717.0	631.0	586.6	568.8	565.9	562.9
47.5°	14380.8	13169.1	7119.3	2266.4	850.3	669.6	586.6	557.0	542.2	536.2	536.2
50°	15773.3	14404.5	8076.2	2367.2	811.8	625.1	551.1	527.4	515.5	512.5	512.5
52.5°	17230.9	15675.5	8849.5	2272.4	779.2	589.6	521.4	503.7	491.8	488.8	488.8
55°	18620.4	16703.5	8982.8	1928.7	714.0	554.0	488.8	480.0	465.1	465.1	462.2
57.5°	19817.3	17219.1	8040.7	1416.2	648.8	500.7	456.3	447.4	435.5	432.6	429.6
60°	20916.5	17070.9	6206.8	954.0	577.7	447.4	414.8	408.8	397.0	382.2	379.2
62.5°	21535.7	16419.1	4245.5	622.2	506.6	391.1	367.4	364.4	337.7	308.1	302.2
65°	21769.7	15080.0	2648.6	453.3	423.7	334.8	317.0	311.1	272.6	240.0	237.0
67.5°	21565.3	12875.8	1336.2	358.5	334.8	278.5	260.7	260.7	234.1	204.4	201.5
70°	20747.6	9652.4	562.9	287.4	257.8	213.3	213.3	225.2	198.5	165.9	162.9
72.5°	18973.0	6494.2	299.2	219.2	192.6	151.1	174.8	183.7	157.0	124.4	124.4
75°	15083.0	3961.1	207.4	162.9	121.5	106.7	133.3	139.2	106.7	83.0	80.0
77.5°	10316.0	2275.3	139.2	103.7	77.0	62.2	91.8	85.9	56.3	38.5	41.5
80°	4529.9	948.1	80.0	47.4	29.6	23.7	32.6	23.7	17.8	11.9	11.9
82.5°	530.3	222.2	29.6	17.8	11.9	5.9	3.0	0.0	0.0	0.0	0.0
85°	109.6	26.7	14.8	5.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.7	5.9	3.0	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)