

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: P954127

Luminaire Tested: **GALN-SB7C-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954127
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-SB7C-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33625 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 350.5
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

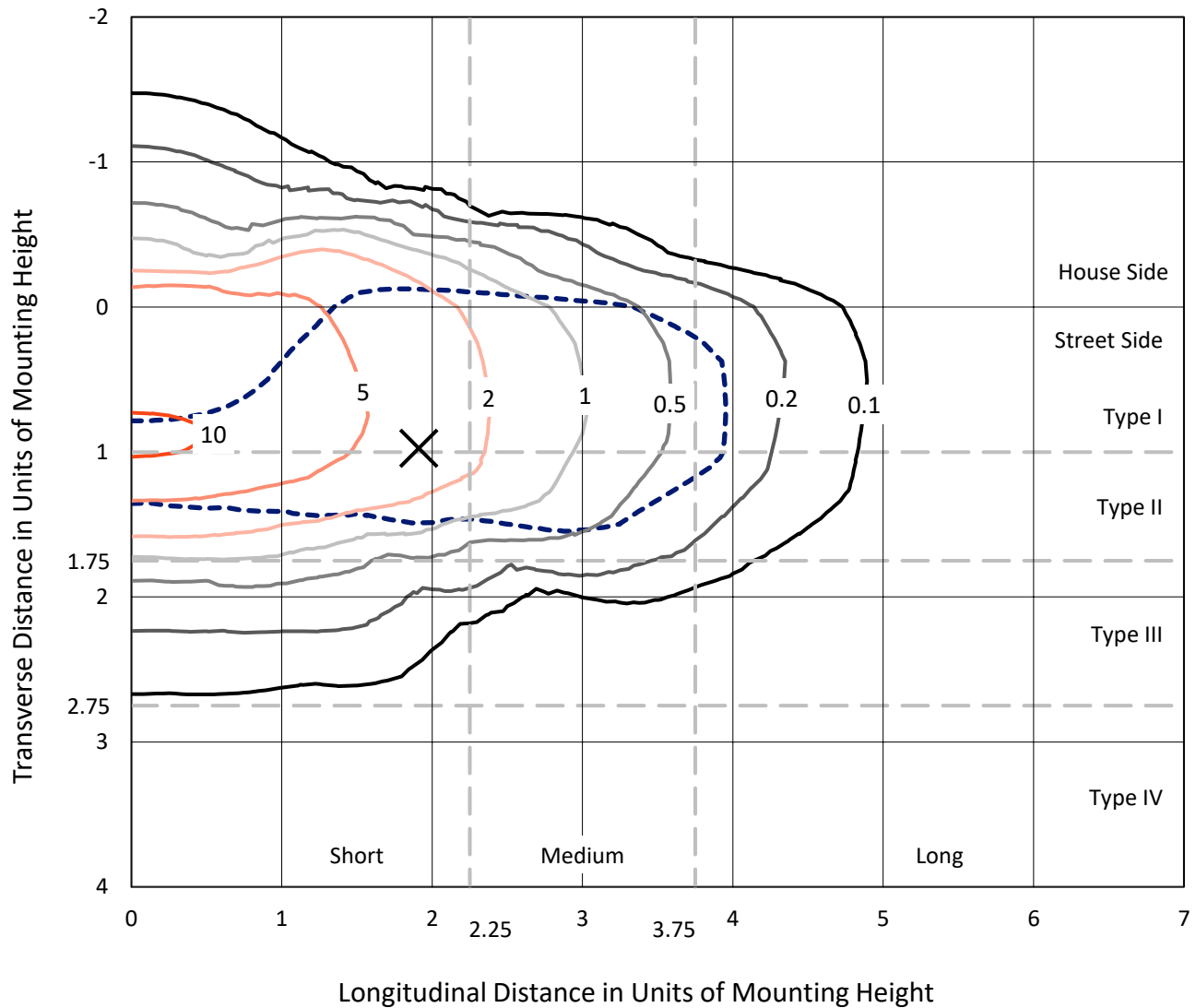


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Iso-Footcandle Lines of Horizontal Illumination

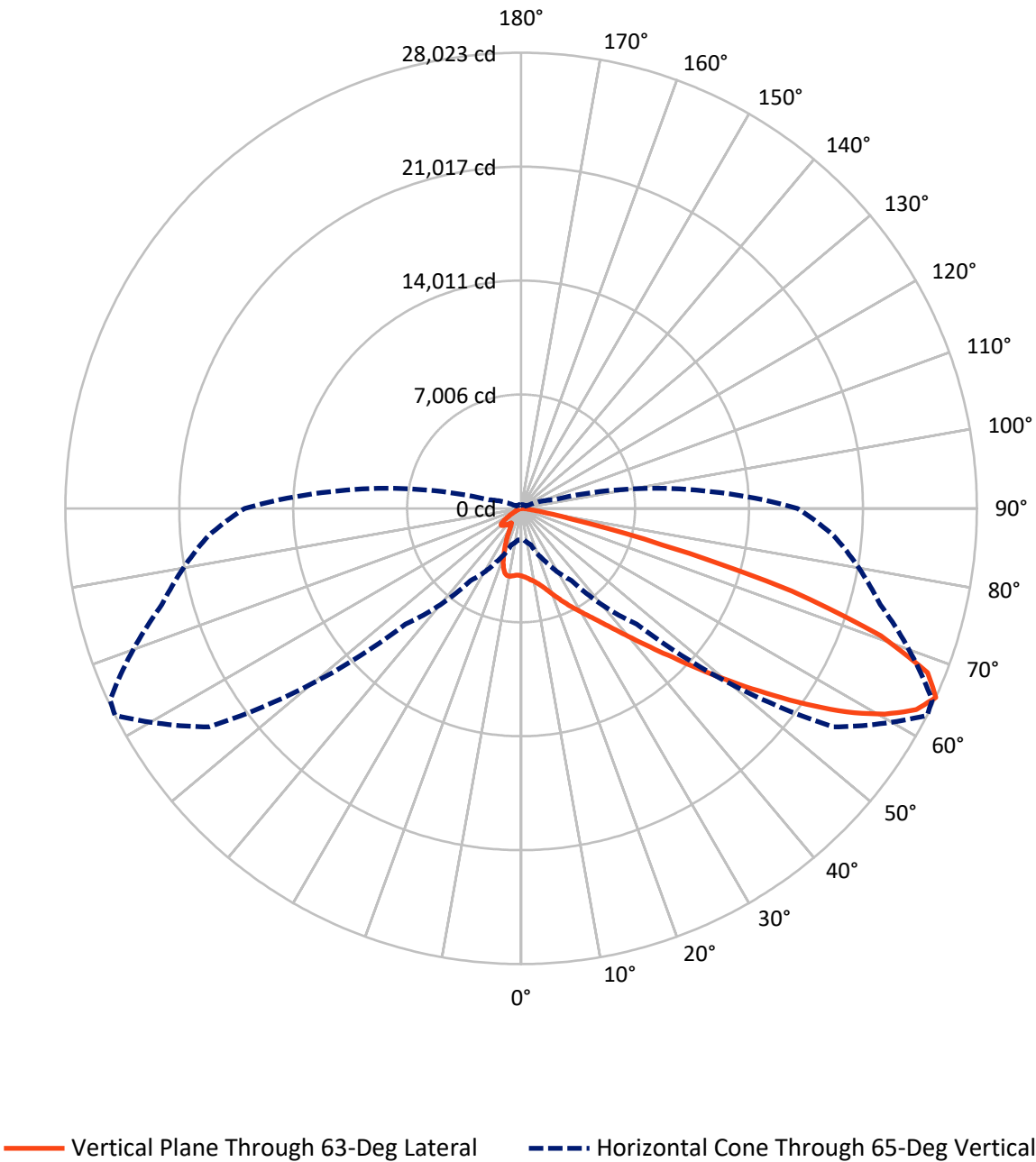
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	4942.6	0.0	4942.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	28682.4	0.0	28682.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	33625.0	0.0	33625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.0	1.2
10°-20°	1084.9	3.2
20°-30°	1889.1	5.6
30°-40°	3404.9	10.1
40°-50°	6752.9	20.1
50°-60°	9198.6	27.4
60°-70°	7342.3	21.8
70°-80°	3322.5	9.9
80°-90°	238.8	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°	33625.0	100.0
0°-180°	33625.0	100.0

Coefficient of Utilization



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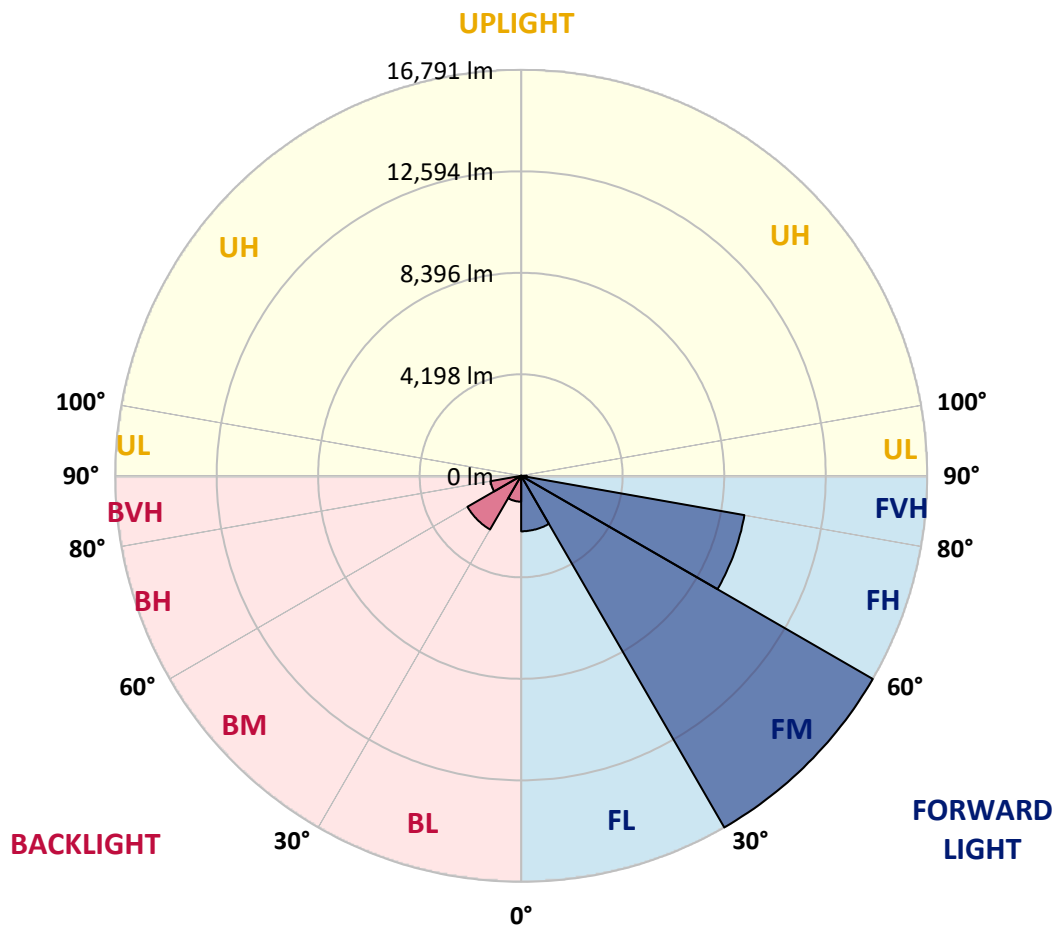
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2295.3	6.8			
FM	(30°-60°)	16791.5	49.9			
FH	(60°-80°)	9374.5	27.9			G4/12000
FVH	(80°-90°)	221.1	0.7			G2/225
BL	(0°-30°)	1069.7	3.2	B3/2500		
BM	(30°-60°)	2564.9	7.6	B3/5000		
BH	(60°-80°)	1290.3	3.8	B3/2500		G3/2500
BVH	(80°-90°)	17.7	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-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0
2.5°	4247.1	4235.6	4251.7	4244.8	4240.2	4230.9	4226.3	4221.7	4212.4	4205.5	4177.7
5°	4258.7	4251.7	4267.9	4281.8	4295.7	4309.6	4316.5	4325.8	4316.5	4298.0	4270.2
7.5°	4161.5	4156.9	4191.6	4233.2	4295.7	4348.9	4406.7	4439.1	4441.4	4434.5	4404.4
10°	4154.6	4143.0	4177.7	4228.6	4309.6	4404.4	4506.2	4575.6	4584.9	4614.9	4582.5
12.5°	4263.3	4251.7	4300.3	4355.8	4439.1	4538.6	4663.5	4760.7	4774.5	4816.2	4793.0
15°	4446.1	4429.9	4485.4	4557.1	4663.5	4776.8	4908.7	4996.6	5008.2	5059.1	5017.4
17.5°	4658.9	4642.7	4707.5	4783.8	4899.5	5054.4	5207.1	5304.3	5318.1	5350.5	5274.2
20°	4931.8	4911.0	4961.9	5031.3	5153.9	5339.0	5521.7	5660.5	5658.2	5658.2	5533.3
22.5°	5248.8	5216.4	5260.3	5315.8	5431.5	5655.9	5898.8	6063.0	6063.0	5998.2	5792.4
25°	5588.8	5556.4	5605.0	5655.9	5757.7	6012.1	6296.7	6500.2	6509.5	6398.4	6070.0
27.5°	6014.4	5972.8	6009.8	6070.0	6130.1	6389.2	6726.9	6962.9	6967.5	6796.3	6333.7
30°	6833.3	6715.3	6599.7	6534.9	6562.7	6819.4	7180.3	7441.7	7464.8	7228.9	6620.5
32.5°	8332.3	8309.2	7902.0	7370.0	7092.4	7282.1	7686.9	8001.5	8015.4	7712.4	6992.9
35°	10661.7	10634.0	9979.3	8966.1	8061.7	7902.0	8302.2	8674.7	8665.4	8323.1	7476.4
37.5°	13442.3	13416.8	12554.0	11198.4	9734.1	8838.9	9095.7	9486.6	9544.4	9095.7	8101.0
40°	15818.0	15723.1	15177.2	13870.2	11954.8	10393.4	10224.5	10483.6	10543.8	10011.7	8894.4
42.5°	17617.7	17536.7	17259.1	16442.5	14642.8	12692.8	11554.7	11654.1	11721.2	11082.8	9805.8
45°	18549.9	18531.4	18642.4	18566.1	17381.7	15514.9	13456.1	13042.1	13067.5	12269.4	10839.9
47.5°	18681.8	18672.5	19179.1	19896.2	19736.6	18698.0	15896.6	14772.4	14682.2	13608.8	11964.1
50°	17904.5	17886.0	18857.6	20201.6	21309.6	21372.1	18667.9	16722.4	16523.5	14994.4	13136.9
52.5°	15422.4	15417.8	17013.9	19250.8	21862.5	23713.1	21406.8	18864.5	18531.4	16461.0	14376.8
55°	11866.9	11952.5	13782.3	16426.3	20853.9	24839.6	23865.7	21242.5	20731.3	17936.9	15519.6
57.5°	8406.3	8531.2	10340.2	12695.1	17726.4	24173.4	25529.0	23625.2	23074.6	19408.1	16678.5
60°	4515.5	4626.5	6437.8	9248.4	13187.8	21689.0	26405.7	25693.2	25172.7	20805.3	17724.1
62.5°	2690.3	2727.3	3476.8	5970.5	8919.9	16569.8	26033.3	27268.5	26840.6	21978.1	18633.2
65°	1931.6	1938.5	2315.6	3645.7	5415.3	10067.2	23421.6	28022.6	27890.8	22861.8	19306.3
67.5°	1626.2	1621.6	1778.9	2422.0	3689.6	5042.9	17950.8	26956.2	27516.0	23421.6	19688.0
70°	1394.9	1401.8	1586.9	1774.3	2773.6	2854.5	8924.5	23470.2	24663.8	23569.6	19664.9
72.5°	1038.6	1061.8	1233.0	1617.0	2093.5	1963.9	3081.2	17402.5	19560.8	22207.1	18644.7
75°	733.3	744.9	867.5	1360.2	1561.4	1429.6	1573.0	8996.2	11762.8	17025.5	15260.5
77.5°	564.4	585.3	657.0	950.7	1538.3	1003.9	962.3	3113.6	4783.8	10284.7	10462.8
80°	305.3	342.4	474.2	687.0	1080.3	710.2	476.5	1239.9	1621.6	4809.2	4034.3
82.5°	157.3	175.8	330.8	495.0	615.3	619.9	236.0	515.9	668.5	1485.1	552.9
85°	62.5	76.3	222.1	273.0	316.9	305.3	106.4	208.2	240.6	411.8	168.9
87.5°	13.9	23.1	81.0	62.5	60.1	64.8	25.4	48.6	46.3	48.6	30.1
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°	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0	4150.0
2.5°	4175.4	4166.2	4140.7	4112.9	4080.6	4062.1	4050.5	4048.2	4032.0	4020.4	4032.0
5°	4244.8	4235.6	4187.0	4129.1	4066.7	4018.1	3971.8	3930.2	3870.1	3858.5	3853.9
7.5°	4383.6	4358.2	4279.5	4200.9	4082.9	3941.8	3770.6	3574.0	3398.2	3345.0	3319.5
10°	4554.8	4520.1	4420.6	4281.8	4020.4	3636.4	3222.3	2838.4	2533.0	2447.4	2415.0
12.5°	4749.1	4719.0	4587.2	4330.4	3759.0	3062.7	2428.9	1952.4	1656.3	1582.3	1561.4
15°	4980.4	4936.5	4753.7	4256.4	3291.7	2327.1	1667.8	1385.6	1279.2	1265.3	1251.5
17.5°	5225.6	5153.9	4901.8	3990.3	2662.5	1654.0	1288.5	1207.5	1161.2	1147.4	1140.4
20°	5450.0	5357.5	4989.7	3587.8	1989.4	1288.5	1154.3	1101.1	1059.5	1043.3	1034.0
22.5°	5674.4	5542.5	4989.7	3039.6	1492.0	1142.7	1059.5	1010.9	962.3	941.5	929.9
25°	5908.0	5732.2	4901.8	2428.9	1200.6	1047.9	969.2	916.0	874.4	849.0	839.7
27.5°	6134.7	5891.8	4700.5	1850.6	1068.7	964.6	886.0	835.1	795.8	777.3	777.3
30°	6349.9	6049.1	4418.3	1404.1	983.1	883.7	809.6	765.7	726.4	707.9	710.2
32.5°	6641.3	6248.1	4117.6	1152.0	909.1	807.3	740.2	698.6	663.9	650.0	650.0
35°	7046.1	6541.9	3858.5	1131.2	846.6	744.9	677.8	638.5	603.8	592.2	592.2
37.5°	7619.8	7016.1	3722.0	1270.0	795.8	689.3	626.9	585.3	552.9	543.6	541.3
40°	8327.7	7659.2	3796.0	1408.8	761.1	640.8	580.6	539.0	511.2	499.7	497.3
42.5°	9167.4	8452.6	4205.5	1515.2	737.9	599.1	536.7	490.4	471.9	467.3	467.3
45°	10132.0	9324.7	4832.4	1628.5	700.9	559.8	492.7	458.0	444.1	441.8	439.5
47.5°	11228.5	10282.4	5558.7	1769.6	663.9	522.8	458.0	434.9	423.3	418.7	418.7
50°	12315.7	11247.0	6305.9	1848.3	633.8	488.1	430.3	411.8	402.5	400.2	400.2
52.5°	13453.8	12239.4	6909.7	1774.3	608.4	460.3	407.1	393.3	384.0	381.7	381.7
55°	14538.7	13042.1	7013.8	1505.9	557.5	432.6	381.7	374.7	363.2	363.2	360.9
57.5°	15473.3	13444.6	6278.1	1105.7	506.6	390.9	356.2	349.3	340.0	337.7	335.4
60°	16331.5	13328.9	4846.2	744.9	451.1	349.3	323.9	319.2	310.0	298.4	296.1
62.5°	16815.0	12820.0	3314.9	485.8	395.6	305.3	286.8	284.5	263.7	240.6	236.0
65°	16997.7	11774.4	2068.0	353.9	330.8	261.4	247.5	242.9	212.8	187.4	185.1
67.5°	16838.1	10053.4	1043.3	279.9	261.4	217.4	203.6	203.6	182.7	159.6	157.3
70°	16199.7	7536.6	439.5	224.4	201.3	166.6	166.6	175.8	155.0	129.5	127.2
72.5°	14814.0	5070.6	233.6	171.2	150.4	118.0	136.5	143.4	122.6	97.2	97.2
75°	11776.7	3092.8	161.9	127.2	94.8	83.3	104.1	108.7	83.3	64.8	62.5
77.5°	8054.7	1776.6	108.7	81.0	60.1	48.6	71.7	67.1	44.0	30.1	32.4
80°	3537.0	740.2	62.5	37.0	23.1	18.5	25.4	18.5	13.9	9.3	9.3
82.5°	414.1	173.5	23.1	13.9	9.3	4.6	2.3	0.0	0.0	0.0	0.0
85°	85.6	20.8	11.6	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.2	4.6	2.3	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)