

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: P954114

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
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-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

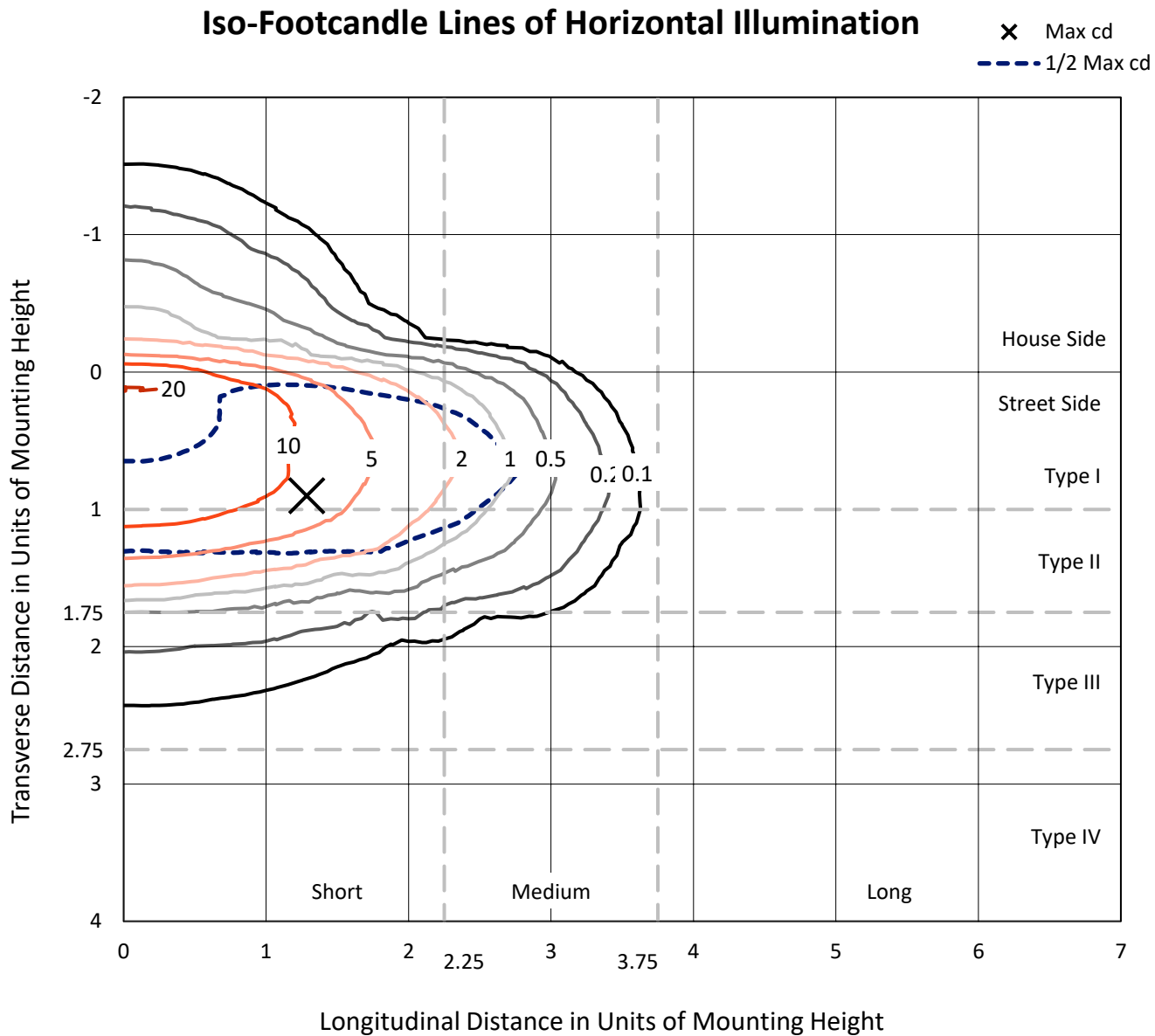
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37513 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

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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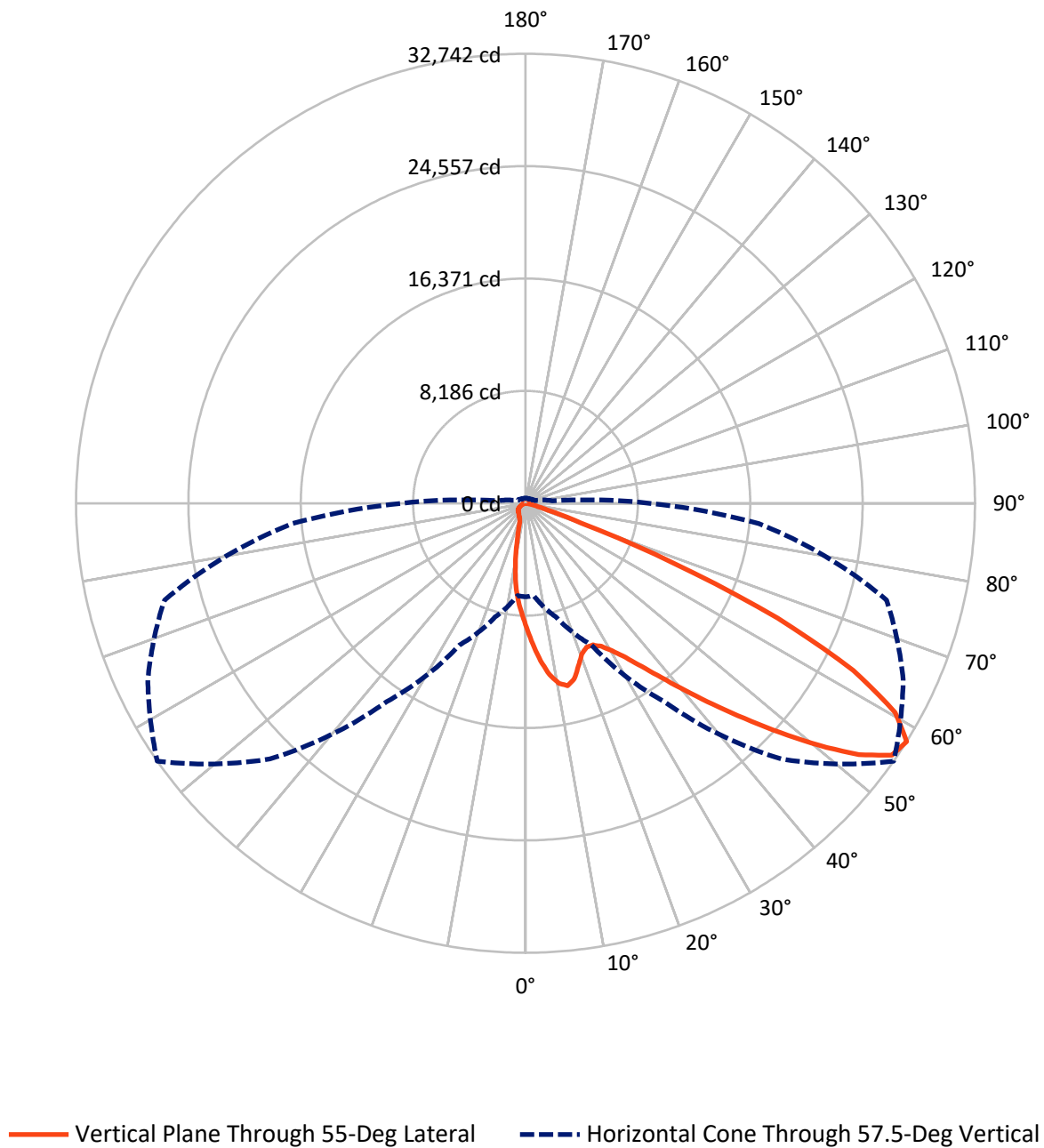


Based on 25 foot mounting height. Maximum calculated value = 20.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2929.6	0.0	2929.6
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	34583.4	0.0	34583.4
	% Fixture	92.2	0.0	92.2
Total	Lumens	37513.0	0.0	37513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.1	2.2
10°-20°	2031.7	5.4
20°-30°	3250.6	8.7
30°-40°	5501.9	14.7
40°-50°	9033.0	24.1
50°-60°	9927.9	26.5
60°-70°	5694.6	15.2
70°-80°	1163.6	3.1
80°-90°	68.6	0.2
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°	37513.0	100.0
0°-180°	37513.0	100.0

Coefficient of Utilization



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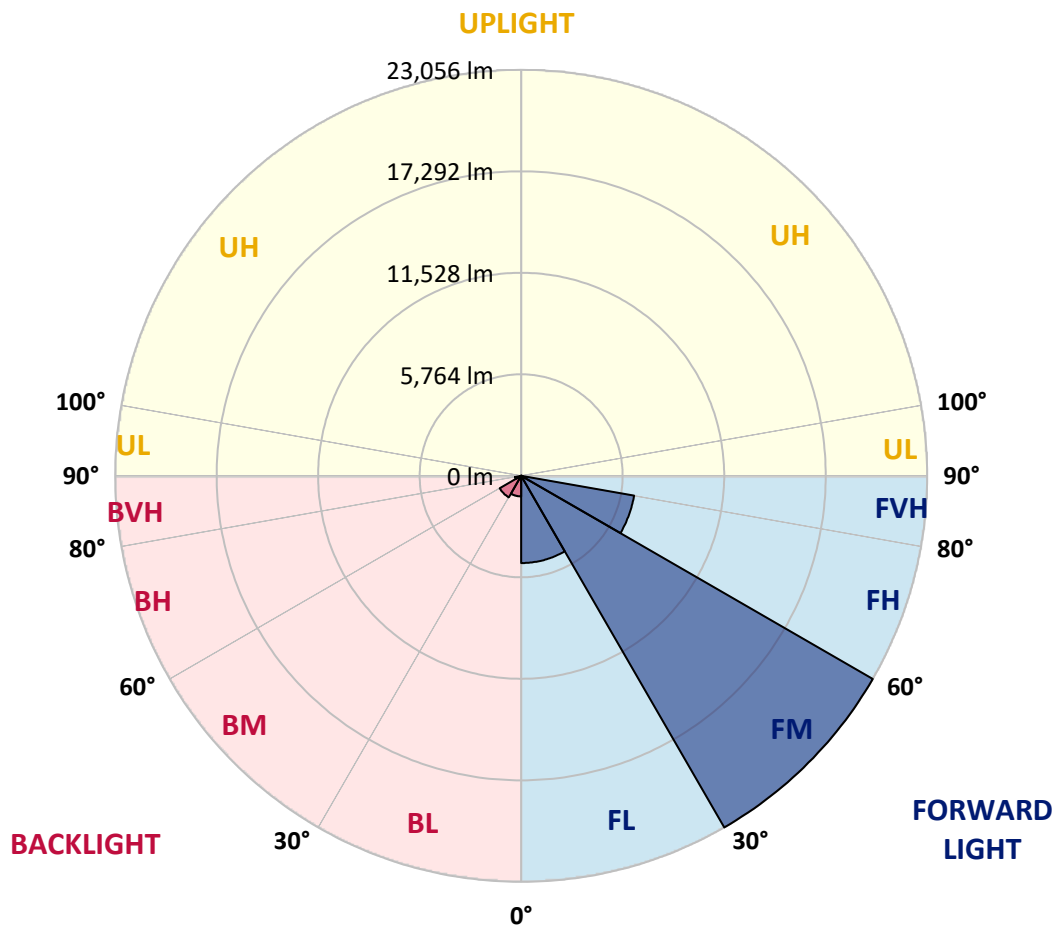
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4953.8	13.2			
FM	(30°-60°)	23055.8	61.5			
FH	(60°-80°)	6509.8	17.4			G3/7500
FVH	(80°-90°)	64.0	0.2			G1/100
BL	(0°-30°)	1169.6	3.1	B3/2500		
BM	(30°-60°)	1407.0	3.8	B2/2500		
BH	(60°-80°)	348.4	0.9	B1/500		G1/500
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7
2.5°	11216.4	11075.3	11054.4	11026.7	10758.4	10557.1	10265.7	9946.5	9587.9	9222.4	9060.5
5°	12958.1	12847.1	12826.3	12696.8	12391.4	12049.1	11530.9	10876.3	10207.8	9421.4	9083.7
7.5°	13295.9	13275.0	13369.9	13365.3	13323.6	13053.0	12615.8	11836.3	10832.4	9666.6	9143.8
10°	11790.0	11843.2	12125.4	12372.9	13041.4	13430.0	13335.2	12692.1	11475.4	9946.5	9210.9
12.5°	10418.3	10355.9	10557.1	10837.0	11614.2	12770.8	13633.6	13406.9	12211.0	10263.4	9310.3
15°	9557.8	9532.4	9645.7	9775.3	10367.4	11533.3	13286.6	13987.5	12918.8	10638.1	9460.7
17.5°	9282.6	9261.8	9296.5	9328.8	9712.8	10614.9	12460.8	14343.7	13596.6	11066.0	9627.2
20°	9507.0	9479.2	9474.6	9449.1	9608.7	10224.0	11713.7	14369.2	14204.9	11454.6	9770.7
22.5°	10161.6	10129.2	10015.8	9914.1	9928.0	10277.2	11380.6	14114.7	14662.9	11817.8	9860.9
25°	11348.2	11295.0	11059.1	10716.7	10499.3	10647.3	11431.5	13779.3	15100.1	12102.3	9816.9
27.5°	12833.2	12763.8	12460.8	11951.9	11454.6	11274.2	11799.3	13548.0	15463.3	12319.7	9722.1
30°	14288.2	14198.0	13899.6	13504.0	12777.7	12208.7	12463.1	13649.8	15895.8	12546.4	9597.2
32.5°	15858.8	15773.2	15377.7	14887.3	14285.9	13520.2	13372.2	14147.1	16425.5	12863.3	9509.3
35°	17845.8	17711.6	17149.5	16481.0	15842.6	15067.7	14602.8	15005.3	17131.0	13346.8	9557.8
37.5°	20108.0	19927.6	19321.6	18398.6	17565.9	16698.5	16101.7	16185.0	18165.0	13994.4	9708.2
40°	22240.7	22076.5	21516.7	20647.0	19601.5	18549.0	17912.9	17727.8	19592.2	14783.2	9971.9
42.5°	23519.9	23371.9	23135.9	22768.1	21886.8	20813.5	20010.9	19610.7	21280.8	15727.0	10293.4
45°	23591.6	23462.1	23779.0	24206.9	24033.4	23318.7	22340.2	21606.9	22976.3	16612.9	10626.5
47.5°	22444.3	22356.4	23318.7	24812.9	25557.8	25858.5	24956.3	23436.6	24375.8	17249.0	10763.0
50°	19316.9	19284.6	21264.6	24008.0	26138.4	28083.7	27715.9	25139.1	25460.6	17577.5	10633.5
52.5°	16749.4	16631.4	17785.6	21431.1	25294.1	29254.1	30413.0	26809.2	26219.3	17639.9	10330.4
55°	12703.7	12599.6	14047.6	17119.5	22571.5	28837.8	32386.1	28532.4	26762.9	17480.3	9786.8
57.5°	6814.5	6749.7	8579.4	11394.5	17644.5	26339.6	32742.3	30355.2	27220.9	17057.0	9025.8
60°	2653.2	2641.6	3326.3	5528.4	10723.7	21428.8	30945.0	31449.3	27507.7	16536.6	8389.7
62.5°	1605.3	1640.0	1751.0	2482.0	4737.3	13312.1	26802.2	30204.8	27699.7	16060.1	7864.6
65°	1327.7	1330.0	1343.9	1704.8	2269.2	5570.0	20177.4	26110.6	27225.5	15211.1	7119.8
67.5°	1138.1	1158.9	1212.1	1353.2	1600.7	2442.7	11616.5	20226.0	24341.1	13235.7	5958.6
70°	897.5	925.3	992.3	1112.6	1235.2	1529.0	4293.2	13457.8	18595.2	9976.5	4506.0
72.5°	756.4	754.1	788.8	904.4	980.8	1075.6	1651.6	7540.8	10806.9	4762.7	2229.9
75°	585.2	608.4	652.3	756.4	802.7	779.5	895.2	2754.9	3872.2	1443.4	758.7
77.5°	458.0	476.5	515.8	617.6	663.9	552.8	515.8	985.4	1244.5	518.1	342.3
80°	205.9	222.1	351.6	455.7	541.3	381.7	279.9	504.3	552.8	235.9	173.5
82.5°	37.0	62.5	205.9	240.6	277.6	247.5	145.7	261.4	270.6	94.8	60.1
85°	2.3	4.6	71.7	87.9	111.0	81.0	43.9	104.1	90.2	32.4	23.1
87.5°	0.0	0.0	0.0	2.3	2.3	11.6	13.9	18.5	13.9	11.6	9.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7	9039.7
2.5°	8894.0	8565.5	8246.3	7984.9	7832.3	7573.2	7402.0	7374.3	7302.5	7365.0
5°	8722.8	8135.3	7540.8	7008.8	6571.6	6007.2	5586.2	5408.1	5253.1	5306.3
7.5°	8641.9	7714.3	6789.0	5880.0	4945.5	4043.3	3372.5	3092.7	2879.8	2909.9
10°	8533.1	7277.1	5826.8	4438.9	3187.5	2296.9	1834.3	1663.1	1568.3	1570.6
12.5°	8449.9	6754.3	4709.5	3009.4	1940.7	1466.5	1323.1	1281.5	1253.7	1256.0
15°	8408.2	6139.0	3606.2	2005.5	1387.9	1242.2	1207.5	1188.9	1170.4	1168.1
17.5°	8338.8	5454.4	2639.3	1464.2	1214.4	1163.5	1133.4	1112.6	1089.5	1084.9
20°	8234.7	4677.1	1929.1	1237.5	1138.1	1098.7	1057.1	1029.3	1001.6	997.0
22.5°	8042.7	3856.0	1482.7	1145.0	1082.5	1038.6	987.7	955.3	927.6	922.9
25°	7686.5	3085.7	1249.1	1087.2	1034.0	980.8	925.3	881.3	855.9	851.2
27.5°	7235.5	2424.2	1133.4	1034.0	971.5	922.9	860.5	818.8	795.7	791.1
30°	6703.4	1866.7	1066.4	973.8	897.5	855.9	800.3	765.6	751.8	751.8
32.5°	6129.8	1492.0	1038.6	913.7	832.7	786.5	742.5	728.6	724.0	721.7
35°	5590.8	1295.4	1024.7	865.1	774.9	730.9	712.4	714.8	724.0	724.0
37.5°	5112.0	1232.9	1017.8	830.4	724.0	684.7	696.3	717.1	707.8	707.8
40°	4679.5	1239.8	1013.2	805.0	682.4	659.2	682.4	666.2	643.0	640.7
42.5°	4348.7	1297.7	1003.9	784.2	656.9	640.7	631.5	606.0	603.7	608.4
45°	4108.1	1348.6	1001.6	774.9	629.2	599.1	587.5	562.1	608.4	619.9
47.5°	3823.6	1348.6	1001.6	742.5	582.9	571.3	552.8	525.1	571.3	582.9
50°	3455.8	1263.0	962.3	705.5	545.9	539.0	506.6	471.9	462.6	469.6
52.5°	2990.9	1108.0	862.8	654.6	508.9	495.0	455.7	430.2	423.3	423.3
55°	2461.2	927.6	728.6	580.6	469.6	444.1	416.4	404.8	397.9	393.2
57.5°	2000.9	761.0	585.2	515.8	432.6	400.2	390.9	377.0	365.5	358.5
60°	1642.3	599.1	483.4	458.0	395.5	365.5	363.2	344.7	314.6	310.0
62.5°	1267.6	439.5	407.1	397.9	358.5	333.1	328.5	291.5	245.2	235.9
65°	895.2	342.3	328.5	349.3	319.2	296.1	284.5	229.0	180.4	173.5
67.5°	629.2	286.8	259.1	305.3	277.6	247.5	240.6	194.3	150.4	145.7
70°	448.7	233.6	212.8	261.4	222.1	217.4	203.6	161.9	122.6	118.0
72.5°	316.9	178.1	164.2	226.7	152.7	187.4	166.5	124.9	92.5	87.9
75°	233.6	127.2	115.7	131.8	111.0	141.1	118.0	83.3	57.8	55.5
77.5°	171.2	81.0	69.4	64.8	64.8	87.9	64.8	34.7	25.4	23.1
80°	120.3	37.0	32.4	27.8	25.4	20.8	9.3	4.6	2.3	2.3
82.5°	71.7	16.2	16.2	11.6	6.9	0.0	0.0	0.0	0.0	0.0
85°	16.2	6.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	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

(END OF REPORT)