

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: P939736

Luminaire Tested: **GALN-SB2C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9703 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 100.9
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

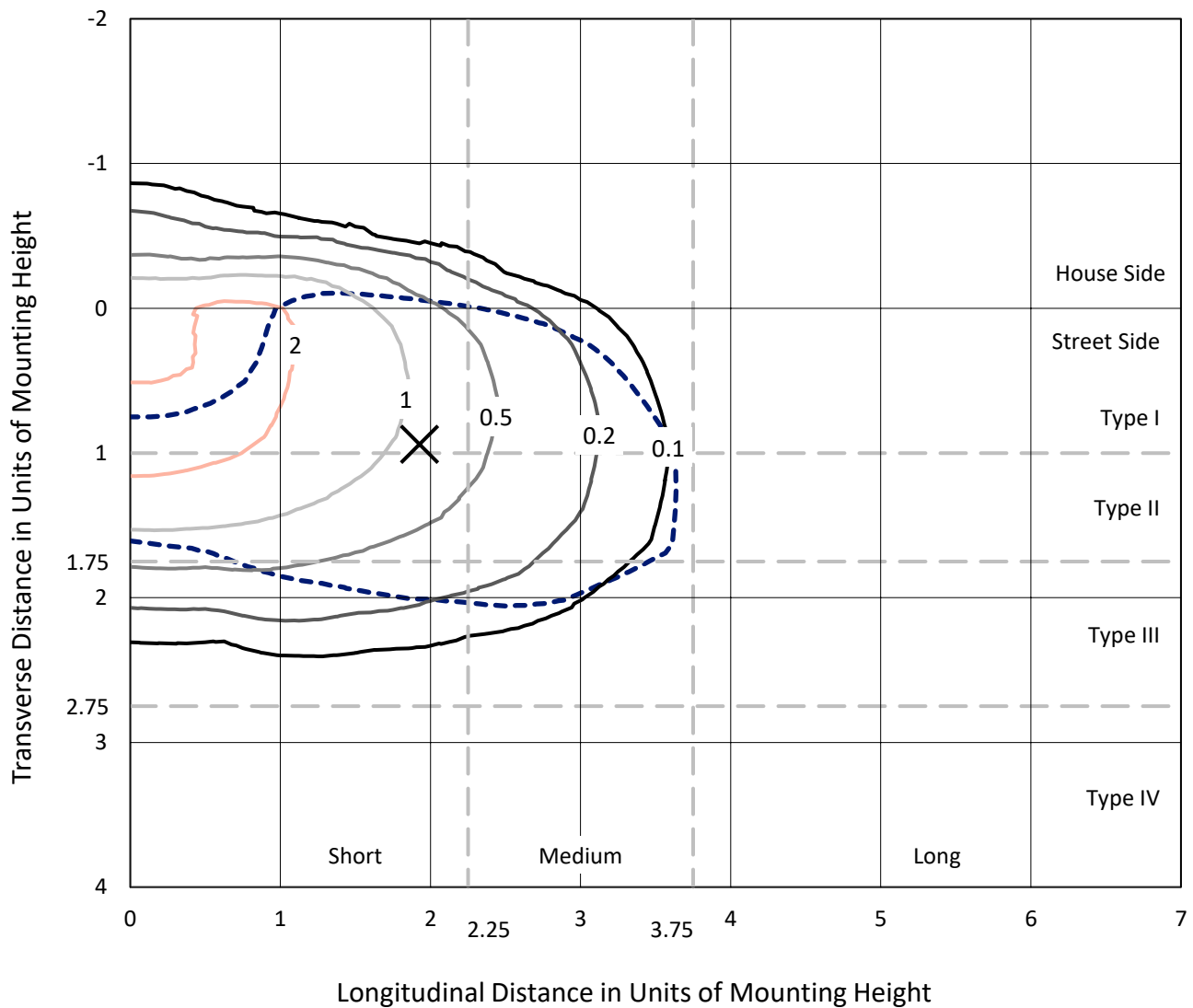


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

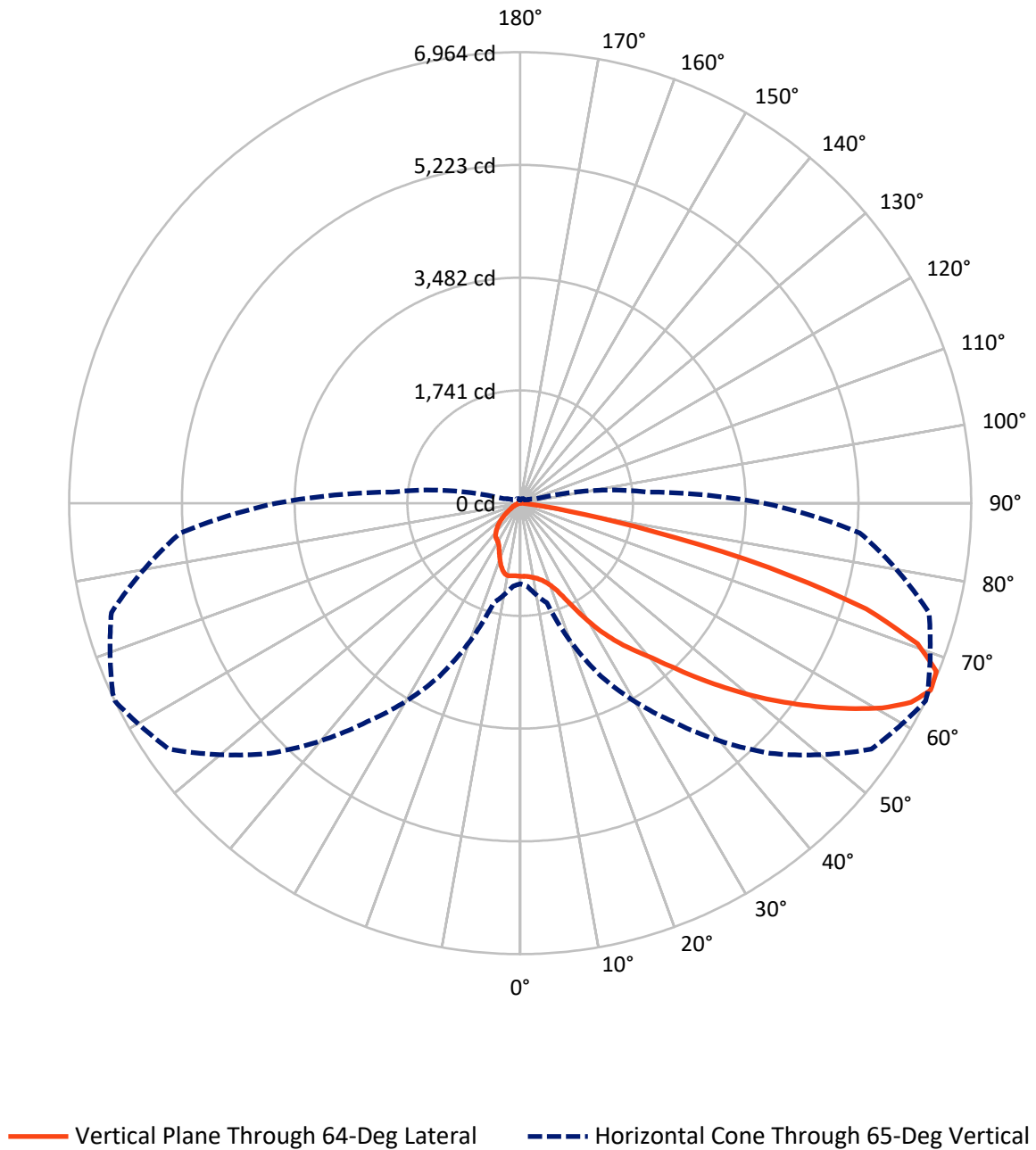


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.6	0.0	1297.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8405.4	0.0	8405.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	9703.0	0.0	9703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	1.1
10°-20°	282.4	2.9
20°-30°	535.1	5.5
30°-40°	1082.9	11.2
40°-50°	1844.7	19.0
50°-60°	2508.6	25.9
60°-70°	2355.7	24.3
70°-80°	943.8	9.7
80°-90°	45.7	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°	9703.0	100.0
0°-180°	9703.0	100.0

Coefficient of Utilization



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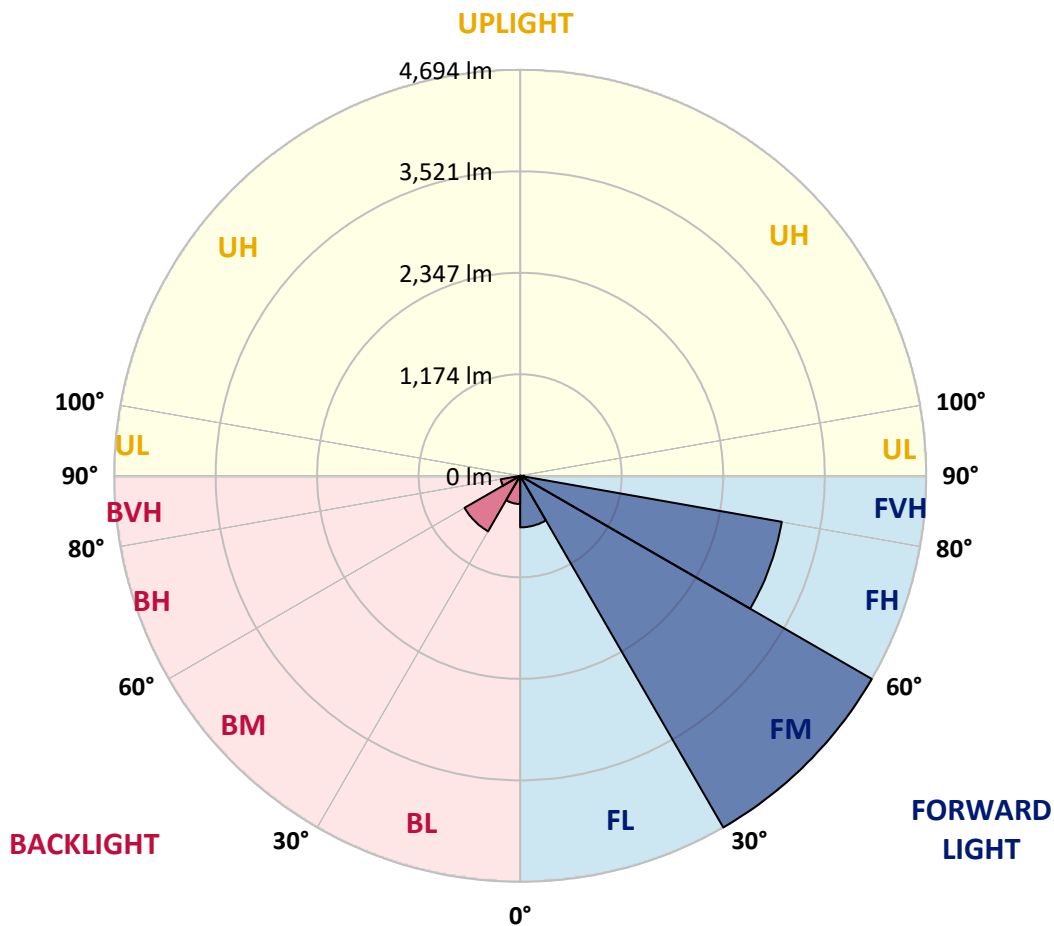
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	595.9	6.1			
FM	(30°-60°)	4694.3	48.4			
FH	(60°-80°)	3071.7	31.7			G2/5000
FVH	(80°-90°)	43.5	0.4			G1/100
BL	(0°-30°)	325.8	3.4	B1/500		
BM	(30°-60°)	741.8	7.6	B1/1000		
BH	(60°-80°)	227.7	2.3	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6
2.5°	1124.7	1132.5	1130.5	1128.6	1127.9	1129.2	1129.9	1129.2	1129.2	1129.2	1129.9
5°	1103.2	1109.7	1109.7	1114.2	1120.8	1128.6	1134.4	1135.7	1137.0	1139.0	1138.3
7.5°	1062.2	1067.4	1071.3	1086.3	1102.5	1123.4	1140.9	1150.0	1151.3	1158.5	1161.1
10°	1034.2	1040.7	1047.3	1062.9	1086.3	1117.5	1147.4	1169.5	1172.8	1189.7	1197.5
12.5°	1032.9	1039.4	1047.9	1064.8	1092.1	1125.3	1161.7	1193.6	1199.5	1224.2	1240.4
15°	1046.6	1054.4	1062.2	1083.0	1112.3	1152.6	1191.7	1231.3	1237.2	1272.3	1289.9
17.5°	1074.6	1085.0	1090.8	1111.6	1142.9	1187.8	1239.1	1284.7	1289.9	1330.9	1353.0
20°	1129.9	1142.2	1144.2	1161.1	1191.7	1239.8	1300.9	1357.5	1364.0	1410.9	1435.6
22.5°	1244.3	1261.9	1246.3	1254.8	1282.1	1330.2	1396.6	1468.1	1477.2	1530.5	1552.7
25°	1446.0	1470.7	1430.4	1416.1	1427.8	1477.9	1561.1	1651.5	1661.9	1704.9	1715.9
27.5°	1842.1	1810.2	1749.1	1689.3	1654.1	1682.8	1776.4	1888.3	1901.3	1942.9	1929.9
30°	2277.3	2249.3	2166.7	2034.0	1950.7	1946.2	2032.7	2157.6	2172.6	2212.2	2172.6
32.5°	2713.1	2686.4	2596.7	2433.4	2289.0	2217.4	2277.3	2415.8	2423.6	2449.0	2390.5
35°	3141.8	3114.4	3024.7	2857.5	2679.9	2517.3	2505.6	2661.7	2664.3	2691.0	2603.8
37.5°	3573.0	3550.2	3454.6	3290.7	3115.7	2891.3	2782.7	2894.6	2897.8	2923.8	2833.4
40°	3880.7	3890.4	3824.7	3697.9	3547.6	3302.4	3093.6	3142.4	3122.9	3166.5	3112.5
42.5°	4144.8	4164.3	4107.0	4043.3	3956.1	3740.2	3478.7	3470.2	3439.0	3462.4	3406.5
45°	4373.1	4389.3	4338.0	4323.0	4321.1	4169.5	3899.5	3848.8	3805.2	3800.7	3733.7
47.5°	4457.0	4488.2	4510.3	4560.4	4658.0	4594.2	4334.7	4256.0	4207.2	4171.4	4065.4
50°	4488.9	4522.0	4597.5	4743.2	4974.1	5001.4	4767.9	4679.5	4619.6	4554.6	4398.5
52.5°	4445.9	4505.1	4606.6	4851.8	5186.8	5328.0	5183.6	5106.2	5037.9	4931.8	4700.3
55°	4192.9	4252.1	4459.6	4850.5	5292.8	5556.9	5576.5	5542.0	5465.2	5298.1	4944.2
57.5°	3659.5	3747.3	4075.8	4685.3	5290.9	5754.0	5961.5	5986.2	5900.4	5661.0	5136.1
60°	2920.6	3039.6	3440.3	4319.1	5127.6	5860.7	6299.1	6422.7	6331.6	6018.8	5291.5
62.5°	2037.9	2175.8	2555.0	3745.4	4754.3	5783.9	6545.6	6774.0	6705.0	6338.8	5351.4
65°	1243.0	1287.3	1593.0	2947.3	4119.4	5462.6	6621.8	6963.9	6941.1	6534.6	5262.9
67.5°	828.0	865.1	952.9	2021.0	3197.7	4820.6	6439.6	6930.7	6937.2	6502.7	4939.0
70°	498.9	530.8	588.0	1175.4	2072.4	3815.6	5875.7	6507.9	6545.6	6076.7	4325.0
72.5°	205.5	227.0	279.1	532.7	1073.3	2421.7	4678.8	5587.5	5675.3	5109.4	3319.3
75°	116.4	127.5	163.9	267.3	465.7	1128.6	2834.1	3966.5	4096.0	3521.6	1996.9
77.5°	77.4	82.6	106.0	173.0	262.1	385.1	1211.2	2066.5	2313.7	1923.4	864.5
80°	52.0	56.6	72.9	115.8	170.4	165.2	385.7	765.6	941.9	660.9	210.8
82.5°	35.1	35.8	52.0	76.1	108.0	80.0	113.8	238.1	299.2	191.2	80.0
85°	20.2	19.5	38.4	44.2	48.1	33.2	34.5	71.6	93.7	80.7	45.5
87.5°	2.6	3.9	15.0	11.7	6.5	7.2	7.2	12.4	18.2	19.5	9.8
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°	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6
2.5°	1129.9	1129.2	1127.3	1125.3	1120.8	1118.2	1119.5	1118.2	1117.5	1118.2	1120.8
5°	1138.3	1136.4	1131.2	1124.7	1115.6	1104.5	1097.3	1086.9	1077.2	1071.3	1072.6
7.5°	1161.1	1159.1	1152.0	1133.8	1104.5	1058.3	1016.0	979.0	951.0	934.7	935.4
10°	1197.5	1194.3	1183.2	1142.9	1066.1	965.3	881.4	811.8	766.2	744.8	742.8
12.5°	1240.4	1236.5	1217.0	1134.4	993.3	835.8	720.1	642.7	600.4	581.5	579.6
15°	1291.2	1286.0	1247.6	1094.1	887.2	692.7	586.7	528.8	501.5	484.6	485.2
17.5°	1354.3	1345.2	1270.4	1033.6	772.1	583.5	504.8	461.2	437.1	420.9	419.6
20°	1436.2	1421.3	1288.6	961.4	666.1	514.5	449.5	413.0	394.8	380.5	377.9
22.5°	1550.7	1529.2	1310.7	883.3	591.3	467.0	408.5	381.8	366.9	350.6	348.0
25°	1692.5	1667.1	1338.0	811.1	539.9	426.1	378.6	356.5	338.9	320.0	318.1
27.5°	1890.9	1845.4	1370.5	751.9	495.7	390.9	351.3	326.5	306.4	290.8	287.5
30°	2112.1	2037.3	1399.2	716.2	455.3	358.4	315.5	290.8	271.9	260.8	258.9
32.5°	2321.5	2220.0	1418.0	700.6	418.9	321.3	276.4	249.8	235.5	232.2	234.2
35°	2519.3	2385.3	1416.1	685.6	386.4	284.3	238.1	210.8	199.7	201.6	201.6
37.5°	2746.9	2561.5	1402.4	662.2	359.7	250.4	204.9	180.8	171.1	171.7	174.3
40°	3011.7	2765.1	1394.0	617.9	330.4	219.2	177.6	158.1	150.9	148.3	147.7
42.5°	3294.0	2962.2	1395.3	567.9	294.0	191.2	158.7	142.5	135.9	134.0	133.3
45°	3577.6	3150.2	1397.2	515.8	255.6	169.8	145.1	131.4	127.5	124.9	124.9
47.5°	3844.3	3310.2	1360.8	459.9	217.9	153.5	134.0	124.9	121.6	118.4	118.4
50°	4092.7	3416.9	1273.0	394.8	188.0	140.5	125.5	119.0	115.8	112.5	112.5
52.5°	4285.9	3433.8	1127.9	327.8	167.2	130.7	120.3	114.5	110.6	107.3	106.7
55°	4371.8	3327.8	921.7	265.4	150.9	122.3	115.1	109.3	104.7	101.5	100.8
57.5°	4349.7	3104.7	718.8	213.4	135.3	113.8	108.6	104.7	99.5	94.3	93.7
60°	4241.0	2806.1	541.8	177.6	121.0	104.7	101.5	98.2	91.1	83.3	82.0
62.5°	4053.1	2430.8	386.4	147.0	105.4	94.3	93.0	90.4	80.0	65.7	64.4
65°	3765.6	1974.8	260.2	122.3	90.4	82.6	83.3	78.7	65.0	48.8	47.5
67.5°	3345.4	1444.0	166.5	100.2	75.5	68.9	69.6	67.0	55.3	41.6	39.7
70°	2810.0	956.2	108.6	76.1	60.5	53.3	57.2	57.9	46.8	33.8	32.5
72.5°	2060.0	564.6	76.1	56.6	44.2	37.1	46.8	48.1	37.7	25.4	24.1
75°	1174.1	268.0	57.2	41.0	27.3	26.0	36.4	36.4	26.0	16.9	15.6
77.5°	493.1	111.9	40.3	26.7	15.6	15.0	24.7	22.8	13.0	7.8	7.8
80°	142.5	50.1	21.5	13.0	6.5	5.9	9.8	7.2	3.3	1.3	1.3
82.5°	55.9	22.1	8.5	5.2	2.6	2.6	1.3	0.0	0.0	0.0	0.0
85°	33.2	9.1	3.9	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	2.0	1.3	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)