

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: P944844

Luminaire Tested: **GALN-SB1A-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3776 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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

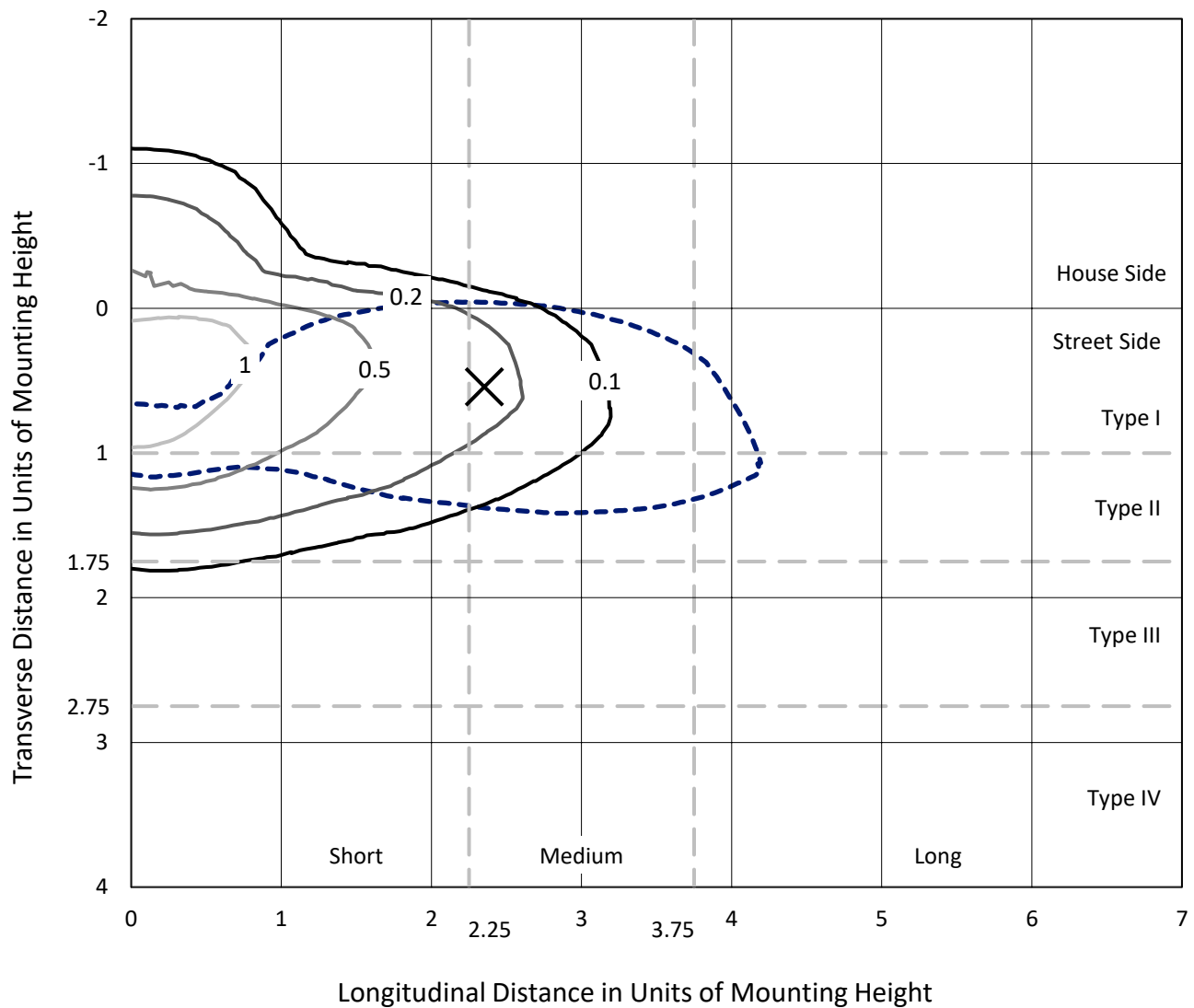


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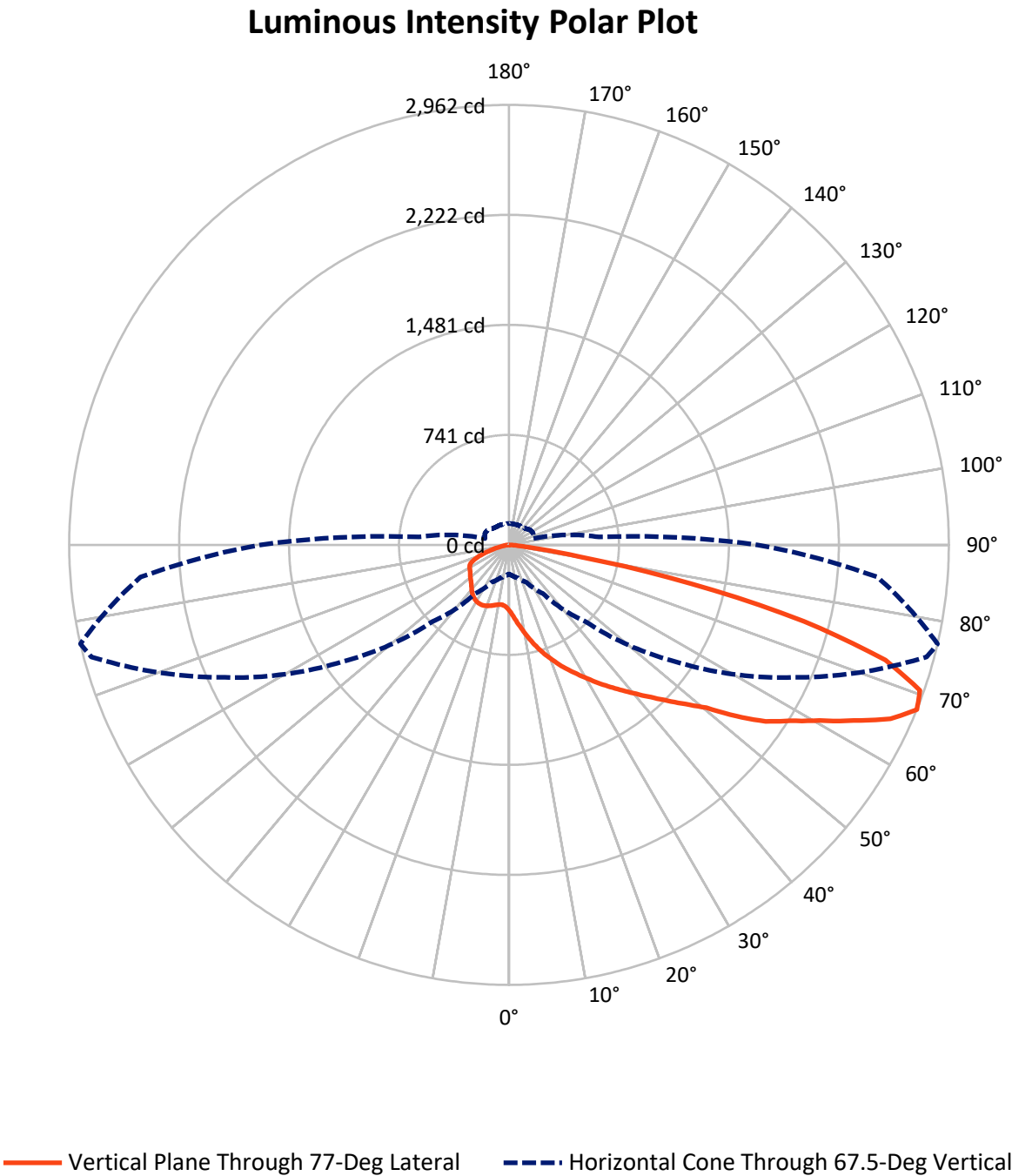
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.3	0.0	714.3
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	3061.7	0.0	3061.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	3776.0	0.0	3776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.3
10°-20°	170.6	4.5
20°-30°	322.1	8.5
30°-40°	518.9	13.7
40°-50°	709.8	18.8
50°-60°	800.7	21.2
60°-70°	747.3	19.8
70°-80°	409.7	10.8
80°-90°	49.4	1.3
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°	3776.0	100.0
0°-180°	3776.0	100.0

Coefficient of Utilization



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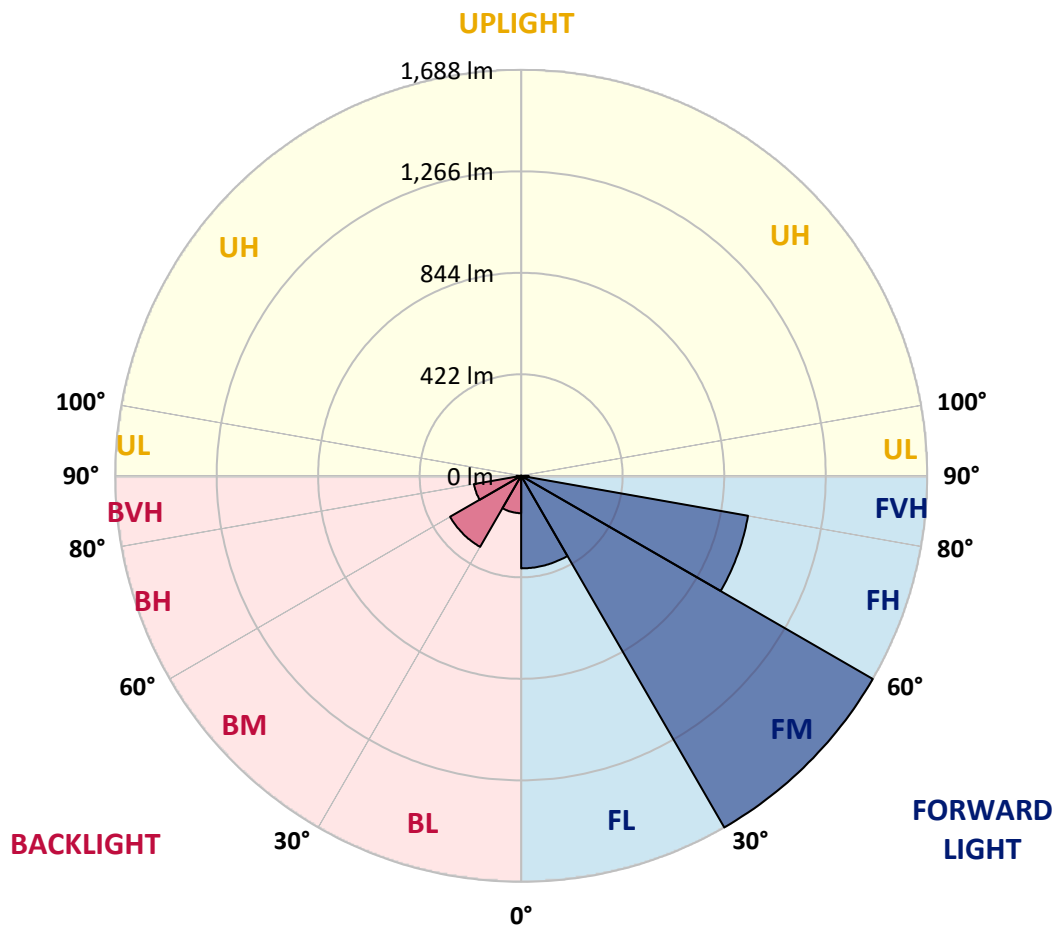
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.9	10.2			
FM	(30°-60°)	1688.2	44.7			
FH	(60°-80°)	957.7	25.4			G1/1800
FVH	(80°-90°)	30.9	0.8			G1/100
BL	(0°-30°)	155.3	4.1	B1/500		
BM	(30°-60°)	341.2	9.0	B1/1000		
BH	(60°-80°)	199.3	5.3	B1/500		G1/500
BVH	(80°-90°)	18.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0
2.5°	554.7	558.6	553.8	553.8	537.4	528.8	512.4	500.0	477.5	473.6	458.8
5°	655.7	660.6	653.7	650.8	631.5	613.8	586.3	559.2	519.3	515.2	480.3
7.5°	733.9	740.1	734.1	730.9	713.8	693.9	661.7	623.9	567.6	559.6	509.1
10°	797.6	798.6	796.6	797.8	784.3	768.0	735.0	691.0	620.6	609.7	544.0
12.5°	833.7	838.1	842.0	849.1	846.7	836.6	806.9	754.3	676.7	662.7	582.0
15°	850.6	858.4	867.2	883.4	896.4	898.9	876.3	822.3	733.9	716.9	620.4
17.5°	856.7	864.1	877.9	901.3	929.4	948.3	938.1	888.4	790.4	770.9	660.8
20°	887.3	889.4	897.8	920.0	950.4	981.8	989.4	952.0	846.3	824.3	702.5
22.5°	952.7	948.5	950.8	960.9	982.8	1013.2	1030.5	1008.1	903.8	878.5	744.6
25°	1060.9	1048.4	1036.0	1024.3	1035.4	1052.5	1072.2	1064.2	964.1	931.9	787.1
27.5°	1197.6	1182.4	1154.9	1116.5	1103.0	1109.1	1117.8	1116.3	1019.8	987.2	830.9
30°	1332.1	1314.3	1281.6	1226.0	1190.5	1174.6	1167.9	1163.4	1080.4	1045.7	875.2
32.5°	1439.4	1425.4	1393.3	1331.1	1279.6	1252.3	1230.3	1214.3	1143.8	1109.1	921.9
35°	1533.4	1520.3	1483.5	1415.7	1359.7	1330.7	1301.8	1267.7	1209.6	1174.6	972.2
37.5°	1619.2	1606.1	1555.6	1485.1	1428.7	1408.7	1382.9	1325.0	1275.7	1242.6	1025.4
40°	1673.3	1670.4	1623.3	1543.3	1484.9	1474.9	1466.3	1391.5	1349.0	1318.2	1083.9
42.5°	1687.2	1693.6	1656.2	1590.5	1534.8	1526.8	1546.8	1466.7	1431.3	1401.8	1150.2
45°	1653.9	1672.4	1647.8	1603.2	1570.2	1565.9	1618.2	1549.0	1522.3	1495.4	1230.1
47.5°	1569.5	1600.8	1590.7	1584.5	1579.8	1598.3	1680.9	1636.3	1625.4	1602.0	1321.3
50°	1399.1	1458.5	1476.3	1515.7	1560.9	1623.4	1738.1	1731.6	1745.9	1722.3	1432.4
52.5°	1104.6	1186.4	1289.4	1388.0	1502.8	1615.1	1800.8	1868.5	1928.5	1915.6	1609.0
55°	911.8	948.7	1027.8	1208.7	1390.1	1579.8	1829.1	1979.0	2109.8	2098.3	1742.9
57.5°	763.7	796.6	845.3	996.4	1219.8	1499.7	1846.6	2046.4	2233.9	2232.8	1875.1
60°	604.8	639.7	689.6	796.6	1020.8	1361.3	1842.7	2123.2	2392.4	2402.1	2036.3
62.5°	425.5	463.9	519.3	619.1	817.5	1182.0	1763.2	2178.8	2578.9	2605.4	2230.2
65°	279.7	305.0	346.8	432.9	609.1	951.4	1611.4	2186.0	2778.5	2823.3	2412.3
67.5°	196.1	205.8	230.4	277.2	401.5	729.6	1369.5	2111.3	2911.6	2962.1	2491.2
70°	153.0	157.9	170.4	189.1	252.2	490.6	1049.4	1917.2	2883.2	2935.8	2408.8
72.5°	132.2	136.8	141.5	143.8	169.2	302.9	710.9	1603.0	2615.2	2650.8	2094.4
75°	119.9	121.0	124.9	124.2	129.0	196.5	410.3	1167.9	2063.4	2051.1	1546.1
77.5°	100.8	102.3	108.8	107.8	114.6	134.3	213.0	753.7	1337.7	1254.3	860.6
80°	85.4	86.2	93.2	92.0	99.6	97.3	108.8	384.2	567.4	480.7	248.1
82.5°	29.6	36.6	71.1	73.3	76.0	58.9	62.8	156.7	173.3	132.7	52.0
85°	14.4	15.4	36.3	51.5	51.3	29.6	30.6	55.9	54.6	42.9	17.3
87.5°	2.3	2.9	4.3	20.1	16.0	7.8	10.5	10.9	11.3	9.7	3.9
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°	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0
2.5°	447.9	438.2	417.7	398.8	384.0	369.8	361.8	354.9	351.0	350.3	350.3
5°	460.0	439.9	402.7	371.3	350.8	335.6	327.7	322.6	320.1	318.5	318.3
7.5°	477.3	447.9	394.9	359.2	337.8	326.9	322.8	322.0	321.8	322.0	322.6
10°	501.3	461.0	394.1	356.3	338.4	332.3	332.1	332.3	333.1	333.3	333.5
12.5°	527.2	474.4	397.2	358.8	345.8	342.5	341.9	341.7	342.3	342.7	342.9
15°	555.5	492.2	402.5	364.3	354.0	350.5	349.9	348.7	348.5	348.3	348.1
17.5°	584.6	509.7	408.3	370.1	359.2	354.4	352.2	349.5	347.3	346.8	347.3
20°	614.0	527.1	412.4	373.1	359.6	352.8	348.5	343.8	340.1	338.0	338.8
22.5°	645.4	545.2	415.0	372.3	356.1	346.8	339.0	333.5	327.8	324.1	324.3
25°	676.0	561.0	414.8	368.2	349.3	337.4	327.5	320.4	312.6	308.7	308.7
27.5°	705.4	575.2	409.9	361.0	339.5	326.3	314.4	306.0	298.4	294.7	294.5
30°	735.8	587.1	402.3	350.5	328.0	313.4	300.4	293.2	286.3	282.8	282.6
32.5°	766.0	598.0	391.6	337.4	314.8	300.8	287.9	281.3	277.2	277.2	277.4
35°	798.0	605.6	377.4	322.2	300.8	287.3	277.2	273.3	272.9	270.5	270.0
37.5°	831.7	610.5	360.0	306.6	286.9	274.2	271.1	266.4	262.6	257.5	256.7
40°	867.2	615.3	339.2	290.4	272.3	265.3	263.9	257.7	246.6	234.1	232.3
42.5°	910.3	618.7	317.5	274.2	256.9	254.6	256.5	245.8	228.1	218.7	218.9
45°	960.2	624.1	297.6	258.3	241.1	241.1	249.3	235.3	220.6	214.8	215.8
47.5°	1024.9	636.8	279.1	240.7	226.5	230.4	233.3	222.6	214.4	207.2	207.0
50°	1118.4	667.2	260.0	223.0	215.4	223.2	219.1	212.8	203.3	197.4	196.9
52.5°	1234.6	685.1	243.1	207.0	205.8	213.6	207.8	201.9	194.7	186.9	185.4
55°	1313.7	688.4	228.8	195.3	199.4	198.6	196.5	191.2	187.3	177.0	177.2
57.5°	1402.2	695.1	217.1	188.3	195.3	186.7	185.9	181.5	176.4	169.4	167.0
60°	1508.1	705.4	207.0	185.6	191.8	178.9	175.0	173.3	168.2	164.7	165.7
62.5°	1623.4	714.8	196.7	185.9	187.7	171.3	165.5	164.9	161.8	160.6	160.6
65°	1702.2	689.2	183.8	185.6	181.3	163.5	156.1	155.9	153.4	153.0	152.8
67.5°	1674.7	608.3	166.5	180.1	174.6	155.7	147.6	146.8	143.5	143.7	143.7
70°	1537.1	492.9	142.5	166.7	166.5	148.7	138.6	136.1	131.6	132.3	133.1
72.5°	1279.0	365.3	110.3	144.2	153.4	142.3	128.3	124.2	118.5	119.3	119.1
75°	923.7	248.3	80.3	109.7	133.5	134.7	118.1	111.1	104.3	105.4	105.8
77.5°	472.7	140.7	59.1	75.6	104.9	122.4	109.0	99.6	98.0	109.0	107.4
80°	154.2	70.6	40.9	53.0	68.8	100.2	95.5	84.8	84.4	86.9	74.7
82.5°	46.0	29.8	26.3	34.9	38.0	76.8	82.4	64.1	55.2	58.1	60.0
85°	15.8	14.4	15.0	17.3	18.1	45.0	57.7	42.5	40.2	44.2	43.7
87.5°	3.7	5.1	4.3	3.9	3.9	10.9	22.4	17.7	24.6	16.4	15.8
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)