

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: P945195

Luminaire Tested: **GALN-SB1B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4548 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 39.8
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



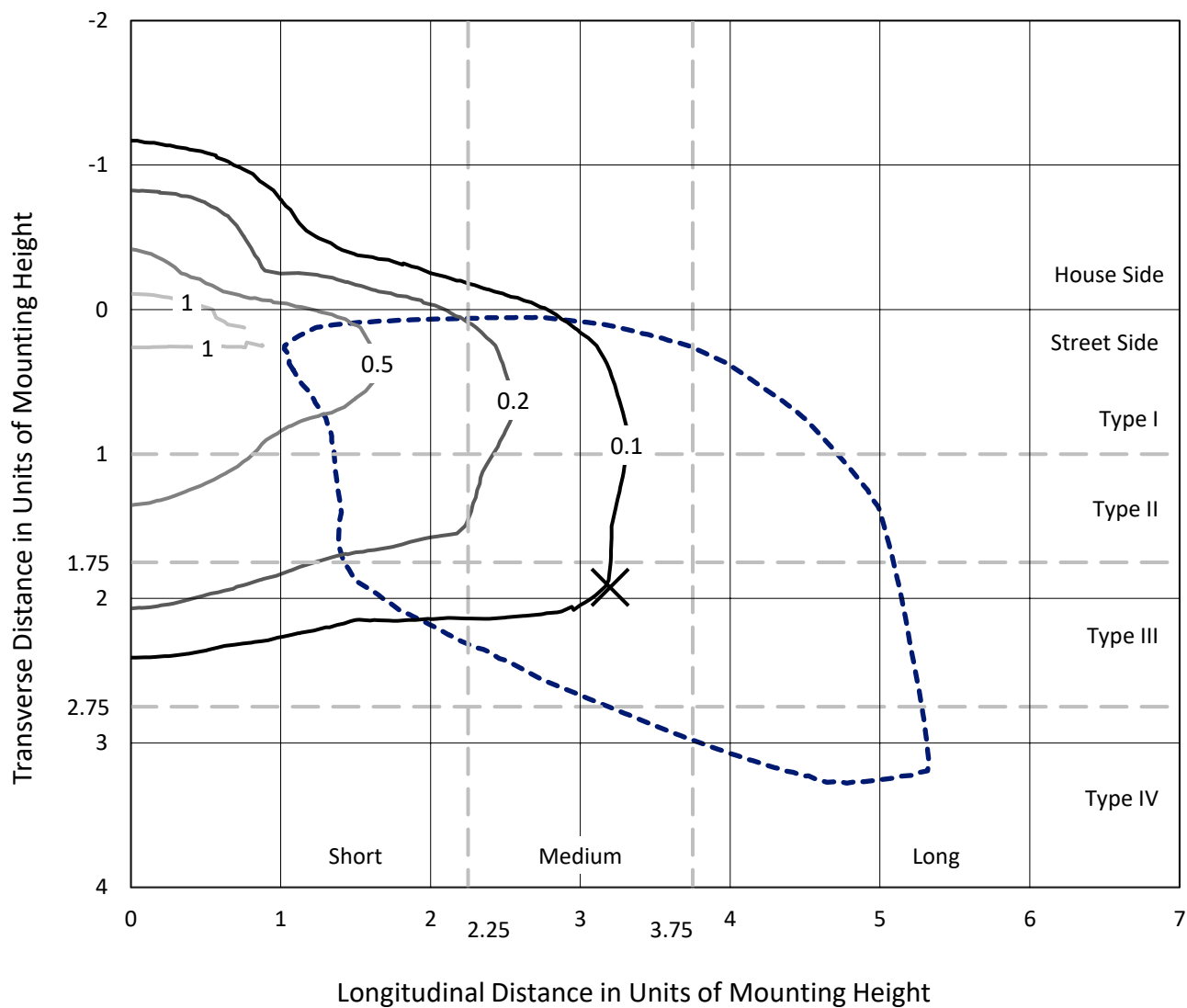
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

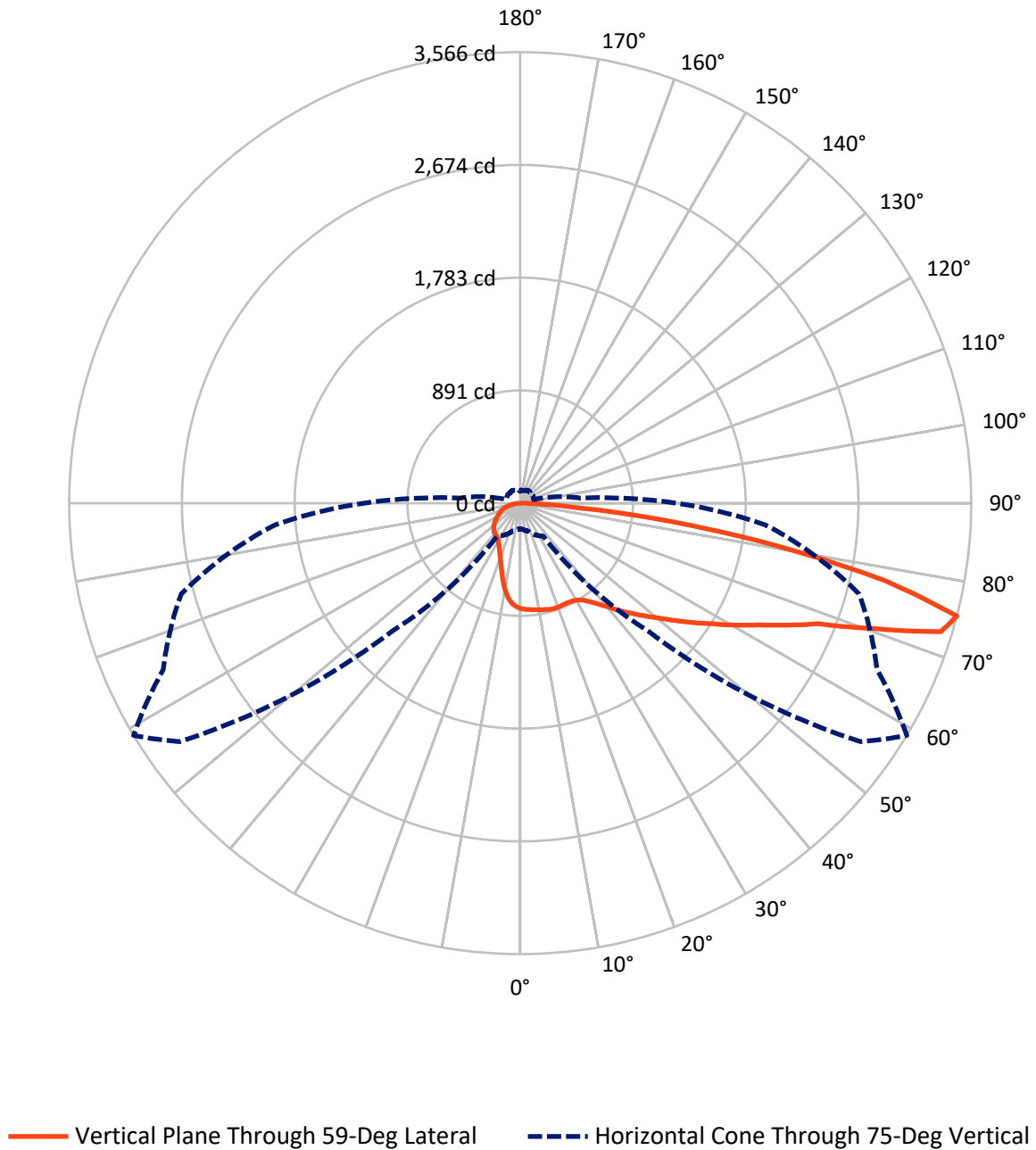
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	853.0	0.0	853.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3695.0	0.0	3695.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	4548.0	0.0	4548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	1.6
10°-20°	191.3	4.2
20°-30°	290.6	6.4
30°-40°	432.0	9.5
40°-50°	642.4	14.1
50°-60°	872.0	19.2
60°-70°	1064.6	23.4
70°-80°	835.5	18.4
80°-90°	144.7	3.2
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°	4548.0	100.0
0°-180°	4548.0	100.0

Coefficient of Utilization



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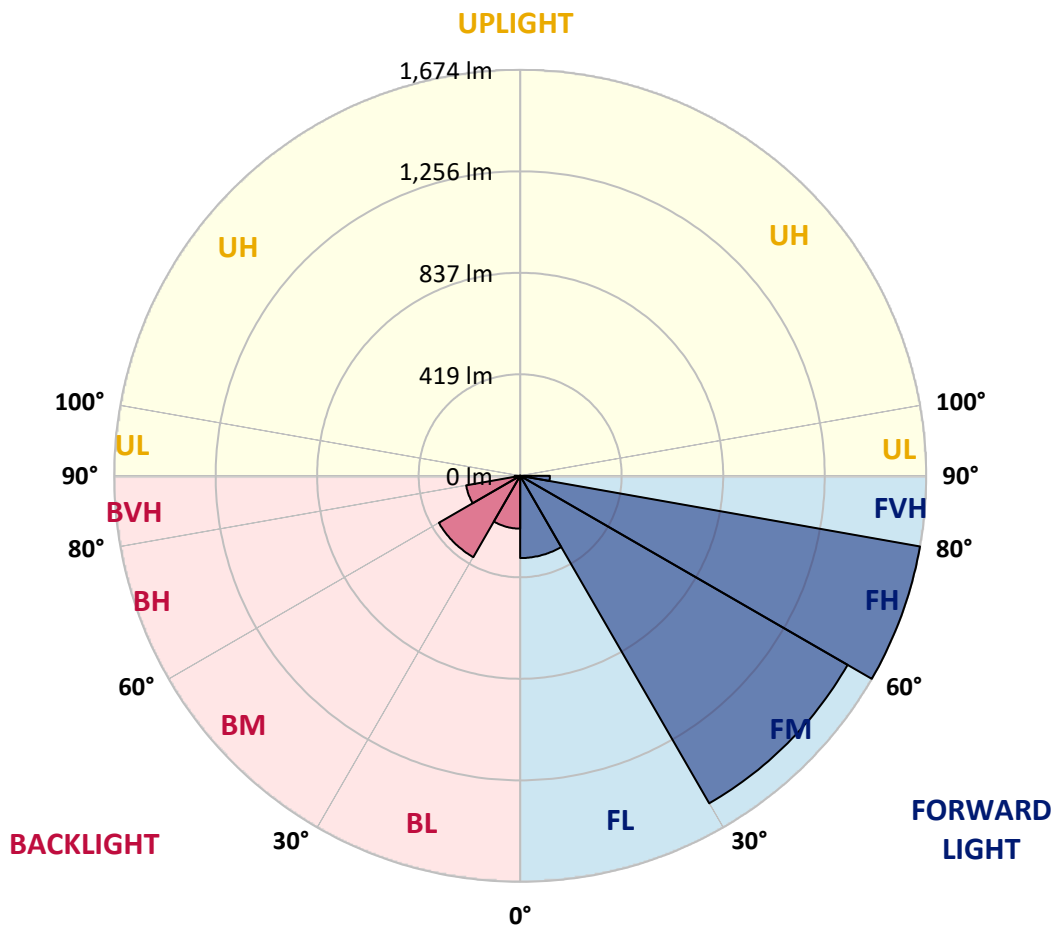
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.1	7.5			
FM	(30°-60°)	1559.2	34.3			
FH	(60°-80°)	1674.1	36.8			G1/1800
FVH	(80°-90°)	122.6	2.7			G2/225
BL	(0°-30°)	217.7	4.8	B1/500		
BM	(30°-60°)	387.2	8.5	B1/1000		
BH	(60°-80°)	226.0	5.0	B1/500		G1/500
BVH	(80°-90°)	22.2	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
2.5°	841.9	838.9	841.9	840.6	840.2	839.2	839.4	841.1	840.2	841.4	837.2
5°	836.2	834.5	837.5	836.7	839.9	840.4	843.6	845.5	846.8	847.0	843.8
7.5°	826.9	825.2	829.4	832.8	839.7	841.6	848.2	851.4	853.1	856.1	851.4
10°	792.9	792.2	802.5	815.4	831.6	841.6	851.7	857.0	859.7	867.6	862.2
12.5°	732.8	733.7	747.2	772.1	804.4	836.7	855.6	863.4	867.6	877.3	874.9
15°	675.3	675.0	689.7	716.4	761.6	815.2	857.5	871.0	878.1	892.5	890.6
17.5°	642.0	641.0	651.3	671.6	713.7	782.2	852.6	875.1	890.3	908.4	906.7
20°	635.9	633.9	639.3	649.3	679.2	746.0	839.9	875.1	900.1	923.6	922.6
22.5°	658.1	655.0	652.7	651.5	664.7	716.1	825.5	872.2	914.5	945.4	943.6
25°	702.9	698.0	686.8	675.7	671.8	702.7	812.8	871.5	936.1	974.7	968.4
27.5°	775.3	769.2	746.5	720.0	696.3	709.5	807.1	875.9	959.8	1005.8	993.1
30°	865.1	858.5	829.9	789.3	746.7	735.0	814.2	888.8	990.1	1047.1	1022.2
32.5°	945.6	938.3	913.8	872.5	815.0	779.0	836.7	913.6	1037.8	1104.6	1066.0
35°	1017.0	1008.5	986.5	948.3	898.6	840.9	877.3	957.3	1105.6	1198.1	1125.4
37.5°	1087.0	1077.0	1053.0	1012.6	977.9	923.3	933.4	1013.6	1195.6	1311.6	1204.2
40°	1165.3	1150.9	1121.8	1081.9	1048.1	1020.0	1007.0	1082.6	1287.1	1438.3	1302.6
42.5°	1241.2	1227.5	1192.7	1158.7	1116.4	1108.3	1092.4	1163.4	1387.2	1577.6	1402.4
45°	1322.9	1306.5	1264.4	1221.3	1194.7	1167.0	1175.1	1244.1	1485.3	1719.5	1507.1
47.5°	1399.4	1381.1	1331.4	1283.5	1268.8	1216.4	1250.9	1332.9	1587.3	1863.3	1610.8
50°	1440.8	1422.7	1381.3	1338.0	1326.5	1277.4	1333.1	1430.5	1694.3	2006.7	1710.4
52.5°	1475.3	1455.7	1401.6	1377.7	1374.2	1343.7	1434.4	1542.1	1801.2	2133.4	1806.6
55°	1512.0	1490.2	1421.2	1399.7	1415.4	1418.0	1554.6	1668.6	1914.2	2257.0	1897.3
57.5°	1554.3	1526.7	1440.1	1418.3	1455.5	1505.1	1692.5	1799.7	2025.3	2371.5	1978.1
60°	1594.2	1566.3	1476.3	1447.9	1498.8	1606.2	1850.8	1958.5	2151.0	2473.5	2054.4
62.5°	1602.0	1579.0	1505.1	1504.9	1557.5	1724.1	2038.3	2118.7	2260.9	2574.3	2122.9
65°	1466.5	1452.0	1408.3	1502.7	1641.7	1893.9	2246.9	2323.8	2400.6	2662.4	2183.1
67.5°	1116.1	1118.1	1114.9	1297.2	1573.6	2137.8	2549.1	2543.2	2573.1	2761.2	2252.3
70°	510.4	521.9	596.7	895.5	1260.7	2166.0	3048.7	2972.6	2789.6	2889.2	2312.3
72.5°	275.7	284.5	315.1	433.8	758.0	1925.7	3422.0	3476.1	3077.6	2975.3	2246.5
75°	202.3	207.2	228.5	275.7	318.3	1431.3	3288.2	3565.7	3113.5	2774.4	1939.9
77.5°	151.4	153.6	171.0	218.5	162.9	754.5	2627.4	2953.0	2665.3	2279.5	1433.0
80°	109.9	112.3	125.3	163.9	114.3	276.0	1804.1	2072.7	1825.4	1453.0	714.2
82.5°	75.8	76.8	82.4	111.6	79.8	107.2	1023.7	1215.5	1019.0	509.9	192.8
85°	45.8	47.0	49.4	65.1	45.3	50.9	441.9	457.0	304.6	121.8	59.9
87.5°	18.8	20.1	22.0	27.4	17.9	14.2	72.9	91.5	57.0	35.7	18.6
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°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
2.5°	836.0	834.3	829.6	823.3	817.4	810.1	806.9	804.2	801.7	797.1	794.9
5°	841.1	836.5	824.0	807.9	789.5	769.5	749.9	736.4	724.9	716.4	709.3
7.5°	849.0	840.2	817.4	784.4	742.3	699.2	660.3	632.7	611.9	604.3	591.1
10°	857.0	846.5	806.9	748.7	676.0	609.7	558.1	529.7	513.0	507.7	499.3
12.5°	866.6	851.2	790.5	699.0	601.9	529.2	484.2	467.5	459.0	456.0	456.8
15°	880.5	855.1	765.8	636.8	531.2	470.5	441.4	429.9	425.5	425.2	426.2
17.5°	891.0	855.8	727.4	570.3	476.8	435.0	411.0	406.6	409.6	414.0	415.7
20°	902.8	849.2	677.0	509.6	438.7	403.9	393.9	396.8	403.9	410.3	412.5
22.5°	911.1	837.2	616.1	462.4	405.6	386.1	385.6	391.7	395.6	398.8	400.5
25°	918.4	816.9	551.5	422.8	378.5	375.3	380.7	378.7	376.0	378.7	380.4
27.5°	923.8	784.9	493.7	388.0	359.4	368.0	364.8	360.4	360.1	361.6	364.1
30°	922.1	742.0	446.3	355.0	345.9	354.3	346.7	345.9	345.2	345.9	348.6
32.5°	922.1	693.4	409.8	332.2	337.4	334.2	333.5	331.8	328.8	328.6	331.8
35°	927.3	644.7	378.5	320.0	330.3	322.7	323.2	319.0	312.9	310.0	312.9
37.5°	937.8	605.5	347.4	314.1	317.8	317.6	315.6	308.5	297.7	288.5	291.6
40°	963.2	594.0	326.1	311.5	311.9	314.9	309.7	296.0	271.6	256.4	258.4
42.5°	1003.1	613.4	321.5	304.8	308.0	311.0	300.9	269.1	251.8	242.7	242.7
45°	1053.7	647.1	331.5	295.3	298.7	303.9	274.0	258.8	251.0	251.3	252.5
47.5°	1117.8	682.6	350.1	287.0	285.3	288.2	256.2	246.9	236.1	238.8	245.6
50°	1192.0	718.6	367.7	275.7	270.3	260.8	244.7	235.9	222.2	215.8	217.5
52.5°	1272.2	753.3	374.8	262.0	254.2	243.2	236.8	226.1	209.4	198.9	198.7
55°	1348.3	784.9	367.0	245.6	238.1	229.5	228.5	221.9	204.0	189.4	189.4
57.5°	1420.2	811.3	347.4	229.0	221.7	216.5	223.1	219.9	197.4	178.6	177.6
60°	1481.2	829.4	319.0	212.1	207.0	204.3	214.3	213.3	188.1	167.1	166.4
62.5°	1529.6	836.5	287.7	196.0	194.7	189.9	202.1	202.1	176.4	155.8	155.1
65°	1567.5	829.6	255.9	180.1	182.5	175.2	187.2	185.7	163.9	145.8	144.8
67.5°	1601.0	807.1	220.7	164.4	170.0	160.7	171.5	168.1	150.2	135.8	134.8
70°	1616.0	754.8	180.6	148.8	155.6	146.6	155.8	149.5	134.8	125.0	123.1
72.5°	1496.1	627.3	142.1	132.4	138.2	130.9	139.0	131.6	118.2	113.8	110.1
75°	1237.7	470.7	109.4	114.5	118.9	113.3	118.7	113.3	101.0	104.2	95.2
77.5°	898.9	317.8	83.7	95.7	97.6	94.7	99.3	93.2	82.2	81.5	77.8
80°	447.0	186.2	65.6	75.6	74.9	72.9	78.3	75.4	66.1	70.0	69.2
82.5°	129.4	79.8	47.7	53.1	51.6	52.1	56.0	57.5	86.1	85.4	87.3
85°	40.6	31.3	28.6	29.6	28.1	28.9	33.0	65.6	60.7	35.5	38.4
87.5°	10.5	10.8	7.1	7.6	7.8	9.3	10.5	39.9	19.1	12.5	13.2
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)