

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: P939054

Luminaire Tested: **GALN-SB1C-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

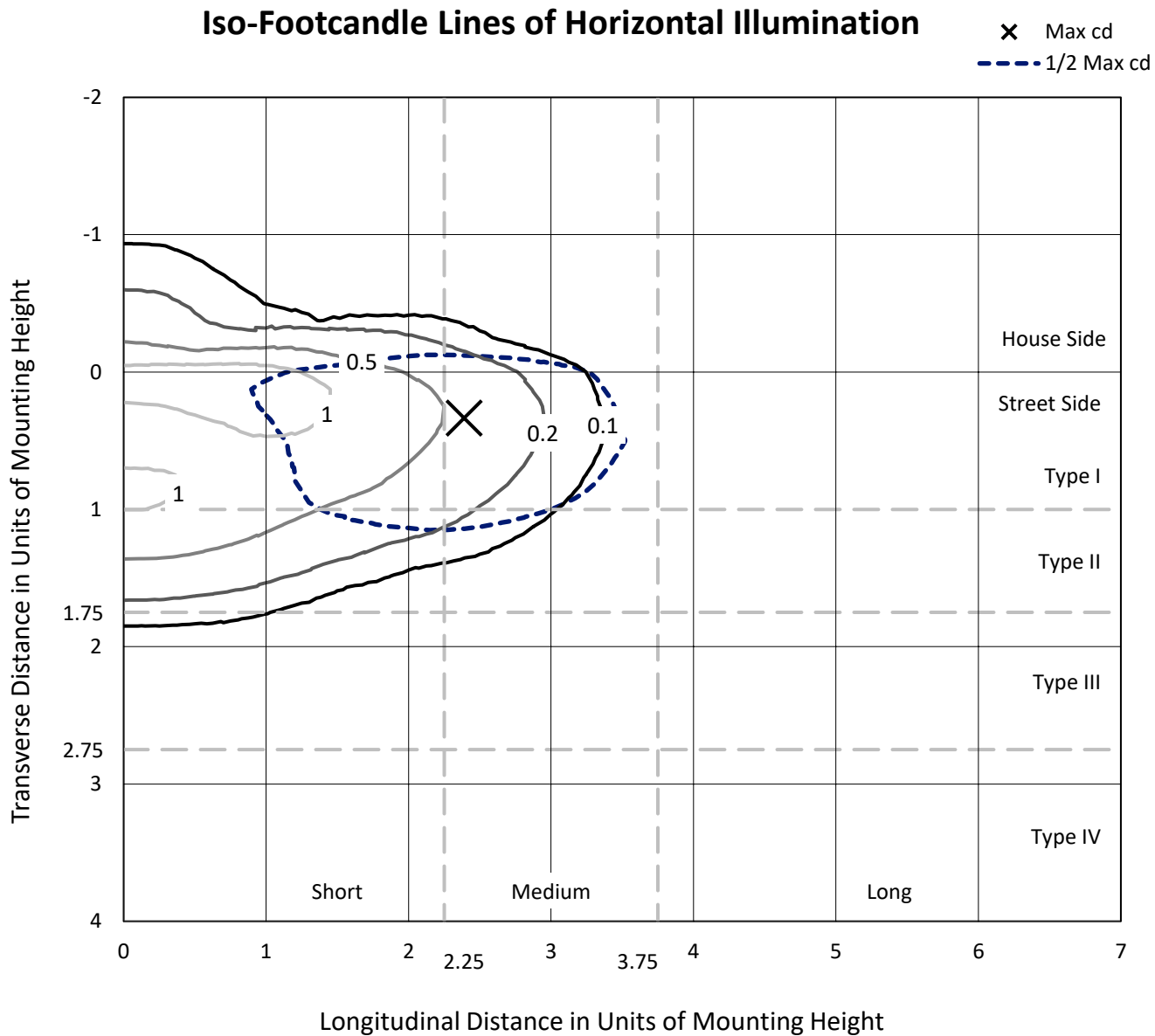
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4519 lumens
Efficiency: N/A
Efficacy: 83.1 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): 54.4
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

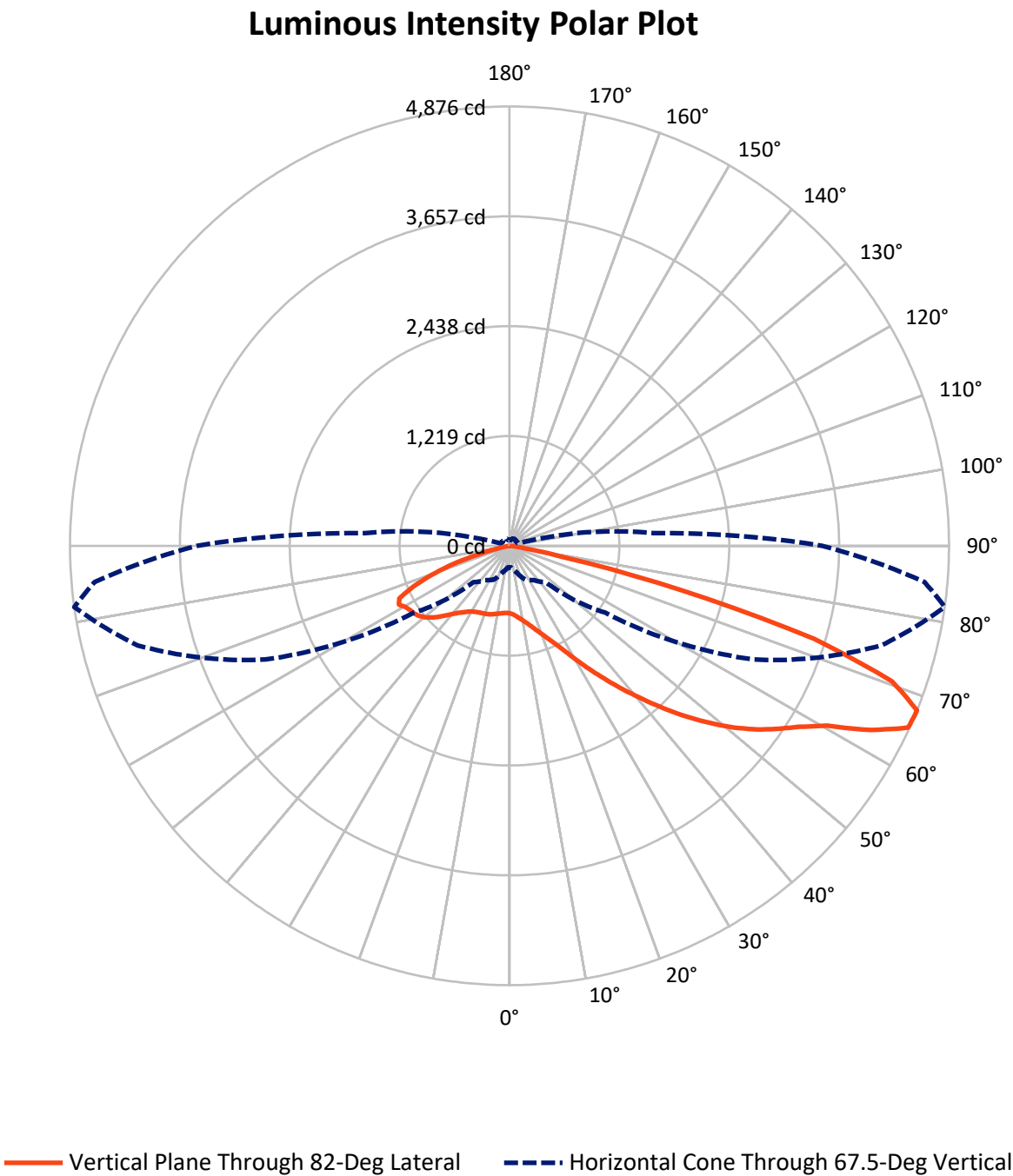


REPORT NUMBER: P939054
CATALOG NUMBER: GALN-SB1C-722-U-T2-HSS



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.6	0.0	818.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3700.4	0.0	3700.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	4519.0	0.0	4519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.5
10°-20°	173.3	3.8
20°-30°	277.6	6.1
30°-40°	490.9	10.9
40°-50°	860.1	19.0
50°-60°	1147.1	25.4
60°-70°	1067.9	23.6
70°-80°	409.9	9.1
80°-90°	25.5	0.6
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°	4519.0	100.0
0°-180°	4519.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939054

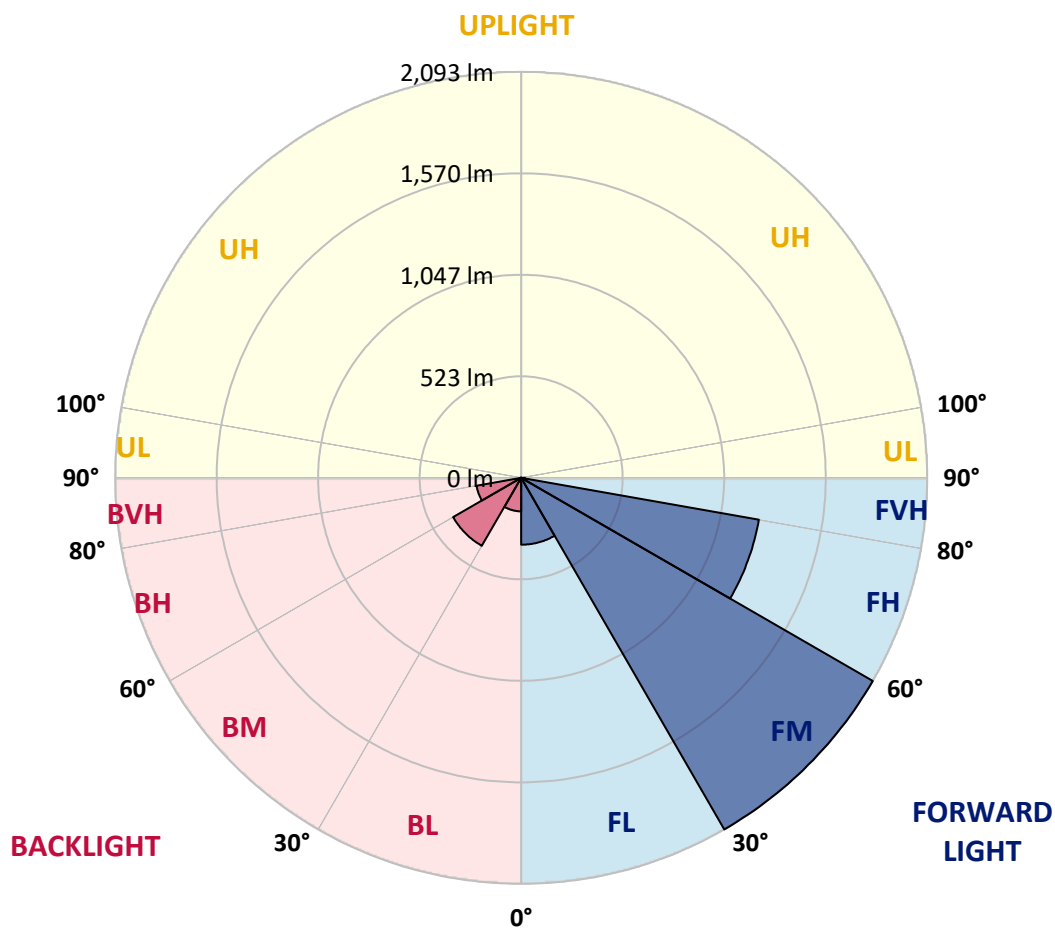
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.7	7.6			
FM	(30°-60°)	2093.0	46.3			
FH	(60°-80°)	1244.2	27.5			G1/1800
FVH	(80°-90°)	18.5	0.4			G1/100
BL	(0°-30°)	172.9	3.8	B1/500		
BM	(30°-60°)	405.1	9.0	B1/1000		
BH	(60°-80°)	233.6	5.2	B1/500		G1/500
BVH	(80°-90°)	6.9	0.2			G0/10
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



REPORT NUMBER: P939054

CATALOG NUMBER: GALN-SB1C-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6
2.5°	791.3	795.8	793.2	791.9	789.6	786.4	783.8	775.6	767.2	761.7	759.7
5°	807.2	811.8	811.4	812.7	814.4	815.3	814.7	805.6	793.5	784.1	778.6
7.5°	793.5	798.8	803.0	809.5	820.9	832.9	838.8	836.8	824.5	811.4	804.6
10°	754.8	760.4	770.4	785.7	809.8	835.8	857.6	867.7	859.9	845.6	836.2
12.5°	683.9	689.4	709.3	742.5	782.8	828.0	869.7	896.7	898.6	884.3	873.3
15°	604.2	609.7	630.9	672.5	734.0	806.6	876.2	927.3	944.5	932.1	918.8
17.5°	554.7	559.6	575.6	609.1	673.2	763.6	873.9	959.8	999.2	989.4	973.5
20°	539.8	544.0	551.5	574.9	628.3	719.0	858.9	990.4	1058.1	1052.5	1034.6
22.5°	555.7	559.6	561.9	572.3	605.8	689.8	840.1	1021.6	1126.4	1127.0	1105.2
25°	592.5	596.4	593.8	600.3	614.9	680.6	832.9	1058.4	1212.3	1219.4	1194.7
27.5°	653.0	653.3	647.1	646.8	649.1	694.3	840.4	1097.8	1320.6	1334.0	1303.4
30°	774.3	769.5	745.7	720.0	708.3	735.3	861.2	1144.3	1448.5	1472.2	1433.8
32.5°	961.4	954.3	910.7	849.2	787.4	801.4	898.6	1197.3	1587.7	1630.7	1583.8
35°	1164.5	1162.5	1116.9	1025.5	917.5	895.4	959.5	1266.9	1739.7	1808.0	1752.4
37.5°	1353.2	1352.2	1326.2	1218.5	1087.0	1026.5	1057.1	1358.0	1902.4	2001.3	1935.5
40°	1525.6	1528.5	1502.5	1406.2	1273.8	1194.7	1189.8	1470.6	2083.3	2211.8	2133.7
42.5°	1674.6	1677.9	1651.5	1580.3	1458.2	1380.8	1352.8	1608.6	2259.9	2437.9	2345.5
45°	1775.8	1796.0	1792.1	1735.1	1647.6	1567.2	1548.7	1781.7	2461.3	2677.7	2569.3
47.5°	1804.4	1823.0	1852.3	1860.1	1806.7	1727.6	1749.8	1990.2	2665.0	2917.8	2794.5
50°	1733.8	1751.1	1811.9	1892.9	1930.0	1905.6	1945.3	2213.7	2873.5	3157.3	3015.4
52.5°	1594.6	1612.1	1688.9	1817.1	1968.4	2045.2	2141.5	2434.0	3075.6	3384.0	3224.6
55°	1393.2	1411.7	1510.3	1655.4	1895.2	2102.8	2305.2	2653.9	3260.7	3588.0	3413.3
57.5°	1119.2	1132.9	1235.4	1438.4	1711.0	2045.5	2425.9	2894.0	3435.1	3788.5	3600.4
60°	729.4	741.5	860.6	1087.0	1405.9	1854.2	2449.9	3161.8	3666.8	4049.1	3852.5
62.5°	485.1	493.2	563.8	730.1	990.1	1486.9	2309.1	3375.6	4006.4	4502.6	4284.9
65°	332.8	341.0	411.6	527.4	639.7	983.6	1904.0	3347.3	4314.2	4862.8	4605.4
67.5°	237.5	244.3	304.2	413.5	463.0	571.3	1290.7	2985.5	4270.0	4876.4	4622.7
70°	170.2	174.1	223.5	322.1	368.0	343.3	717.7	2283.4	3738.7	4502.9	4270.6
72.5°	119.1	120.4	155.2	245.3	296.4	250.5	341.6	1522.3	2827.7	3534.3	3310.8
75°	80.7	82.3	104.4	179.9	237.8	191.3	180.9	816.3	1660.0	1956.4	1753.7
77.5°	49.5	50.1	67.3	123.0	178.0	145.8	116.5	345.9	642.3	630.5	537.5
80°	28.0	28.0	42.9	76.5	121.4	94.0	81.7	147.1	203.3	178.6	157.5
82.5°	15.6	15.9	31.2	47.5	80.4	55.6	44.9	68.0	87.8	77.8	67.7
85°	6.5	7.2	19.2	22.4	38.4	27.7	18.2	28.6	32.5	29.0	21.1
87.5°	0.7	1.0	5.9	4.2	4.6	5.5	2.6	5.5	4.6	4.6	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939054

CATALOG NUMBER: GALN-SB1C-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6	748.6
2.5°	753.5	748.6	736.3	722.0	703.1	694.0	681.6	673.2	666.0	666.7	660.1
5°	768.2	755.8	728.1	693.7	650.7	620.1	587.6	565.1	546.9	543.0	534.2
7.5°	788.3	768.8	720.3	658.2	585.6	530.7	481.5	450.0	427.5	420.4	413.2
10°	814.4	786.1	710.3	613.6	509.2	439.2	386.5	361.8	346.5	341.3	337.4
12.5°	844.6	805.9	696.9	559.3	430.4	363.1	329.6	317.2	312.3	310.7	309.7
15°	882.7	830.6	676.7	494.9	363.7	316.6	302.3	300.6	301.3	300.6	300.3
17.5°	927.9	857.6	643.9	428.5	318.8	292.8	287.6	288.9	290.5	290.2	289.6
20°	977.4	884.3	601.9	369.6	288.3	275.9	273.0	274.3	275.6	274.9	274.6
22.5°	1033.7	913.0	555.4	323.7	267.8	260.3	257.0	257.4	257.4	256.1	255.4
25°	1101.0	944.5	506.6	291.2	252.2	246.3	242.4	241.1	239.1	235.2	234.6
27.5°	1181.4	978.0	459.7	268.4	239.8	234.3	229.7	226.4	221.6	215.1	214.4
30°	1271.8	1018.7	420.0	254.1	230.0	224.5	219.3	214.4	207.3	199.1	198.5
32.5°	1378.2	1062.3	391.1	244.7	221.2	215.4	209.2	203.3	195.5	187.4	187.7
35°	1505.1	1115.0	374.2	238.2	214.4	206.6	199.8	193.3	187.4	180.2	179.6
37.5°	1642.7	1171.0	369.0	234.9	209.9	197.8	190.0	185.5	184.8	180.6	180.2
40°	1793.4	1237.3	372.9	233.0	205.0	189.4	180.9	179.9	181.5	174.1	174.4
42.5°	1952.8	1316.1	379.4	230.7	198.1	180.9	172.8	172.8	171.5	161.1	161.1
45°	2125.2	1406.8	385.9	225.1	190.0	172.4	166.3	164.0	158.4	148.4	148.0
47.5°	2299.0	1499.2	390.8	215.1	180.2	165.3	159.8	154.5	146.4	137.3	137.0
50°	2463.9	1582.2	385.5	200.1	169.2	158.4	152.6	145.4	136.6	130.5	129.5
52.5°	2611.3	1654.1	363.4	182.5	157.5	151.3	146.1	138.6	131.4	124.9	124.3
55°	2739.5	1712.4	324.4	165.9	147.1	145.1	139.9	130.5	120.7	115.2	114.5
57.5°	2862.5	1756.6	275.6	152.3	137.6	138.3	130.5	122.0	112.9	107.0	106.4
60°	3026.1	1815.8	226.1	139.6	127.5	129.5	121.0	114.9	103.5	96.0	95.0
62.5°	3287.7	1907.9	179.6	124.0	115.8	116.5	112.9	105.4	91.8	83.0	82.3
65°	3495.3	1874.1	141.5	107.0	102.5	103.5	103.5	95.3	80.7	70.6	69.6
67.5°	3471.9	1604.7	112.9	90.4	89.8	90.4	92.7	85.9	71.6	63.4	62.1
70°	3198.3	1276.4	90.4	75.2	78.1	76.5	83.0	78.4	64.4	56.3	55.3
72.5°	2609.7	919.5	69.0	62.1	59.9	62.5	74.8	70.6	53.7	44.6	43.6
75°	1524.9	490.6	51.4	49.1	43.3	52.1	66.4	60.2	41.0	32.9	31.9
77.5°	496.5	171.1	37.7	36.1	32.2	42.0	56.6	50.8	33.5	26.0	25.1
80°	133.1	51.7	25.7	23.8	20.8	31.2	44.9	40.3	24.1	16.9	16.6
82.5°	53.4	21.8	15.0	13.3	11.4	21.5	35.5	32.5	17.9	10.7	10.7
85°	17.2	7.2	5.5	4.2	5.2	13.3	21.1	22.1	12.7	5.5	4.2
87.5°	2.3	1.0	1.0	1.3	1.0	2.3	6.5	6.2	3.6	0.7	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)