

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: P938711

Luminaire Tested: **GALN-SB1A-722-U-SL4-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
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-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

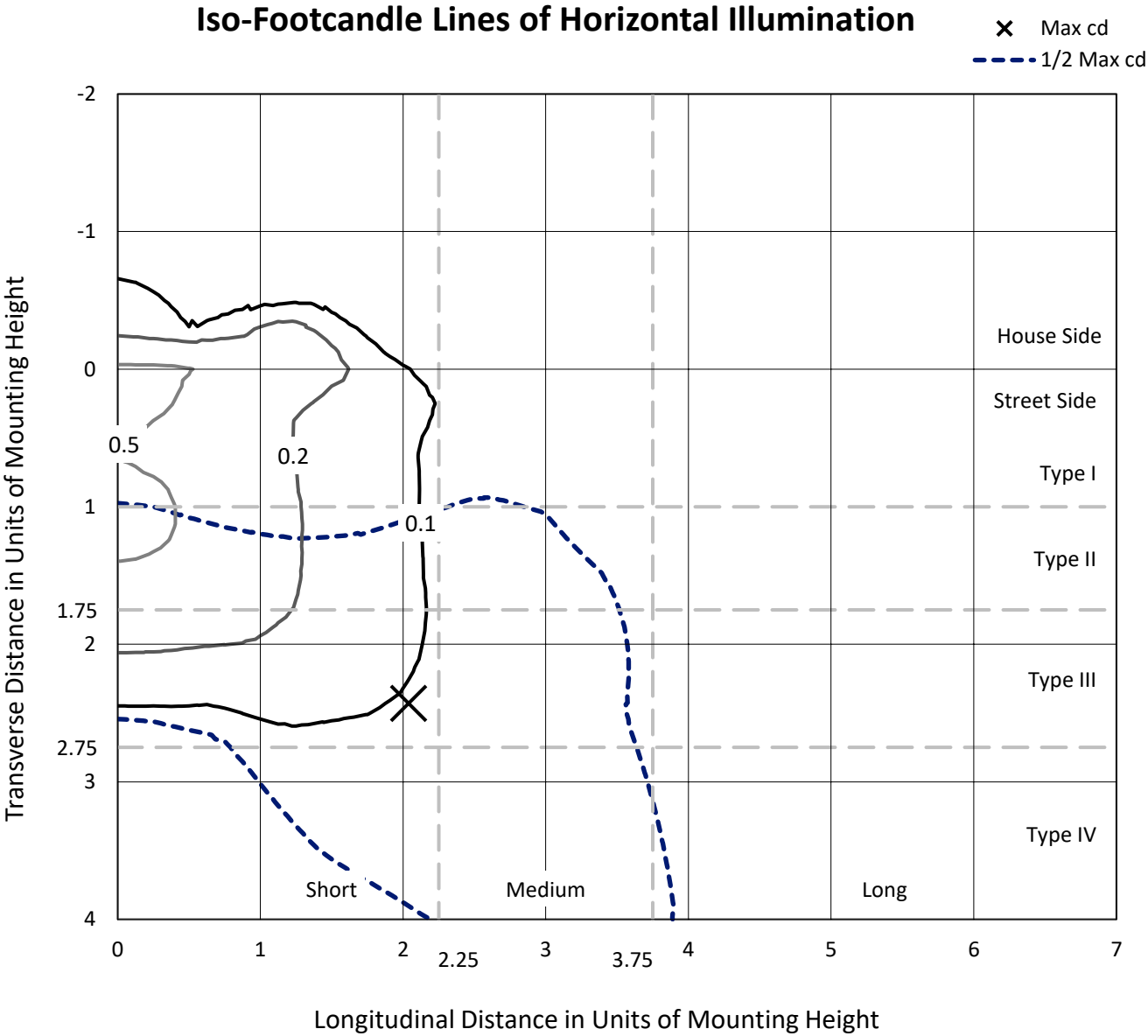
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - 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

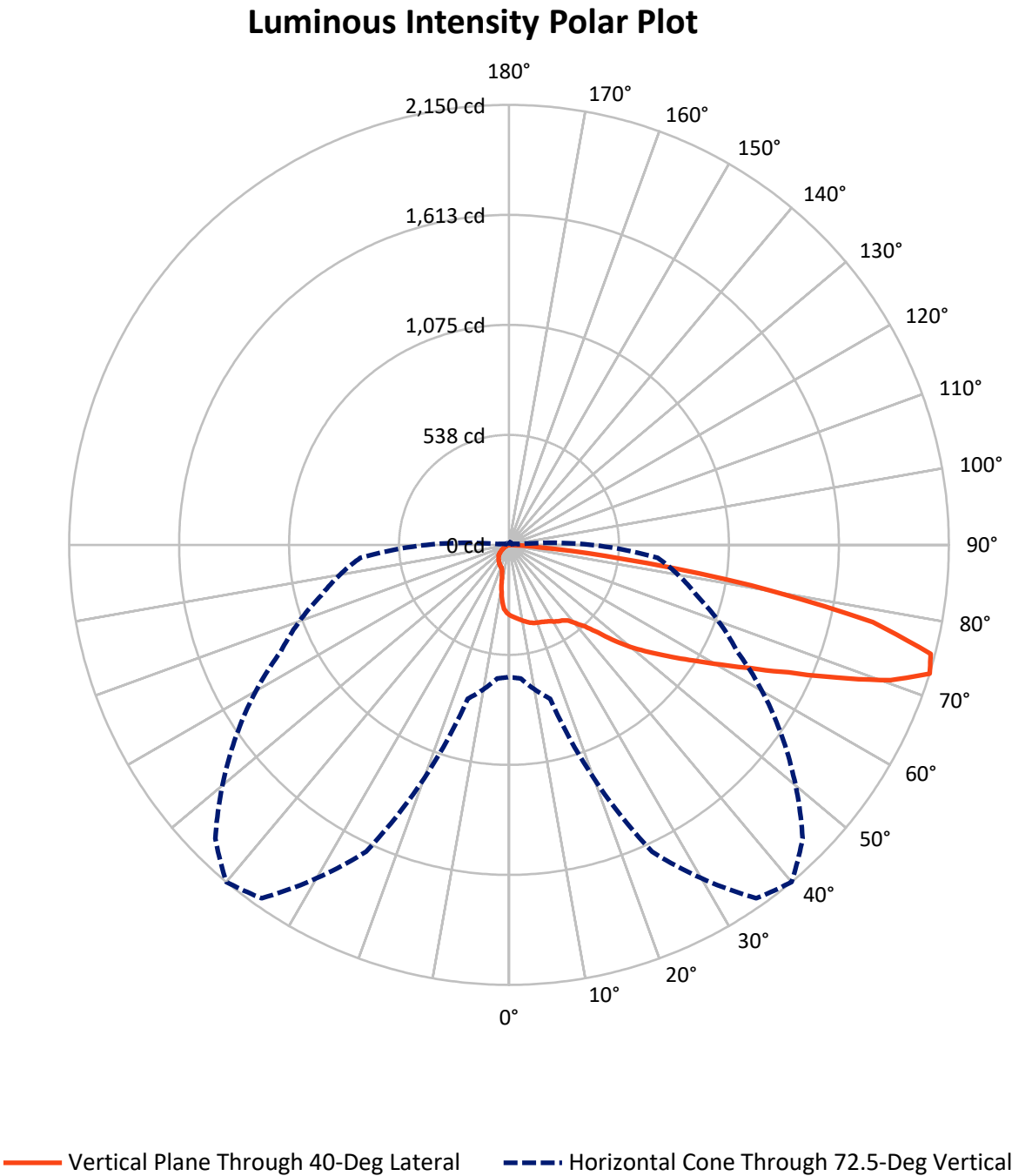


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Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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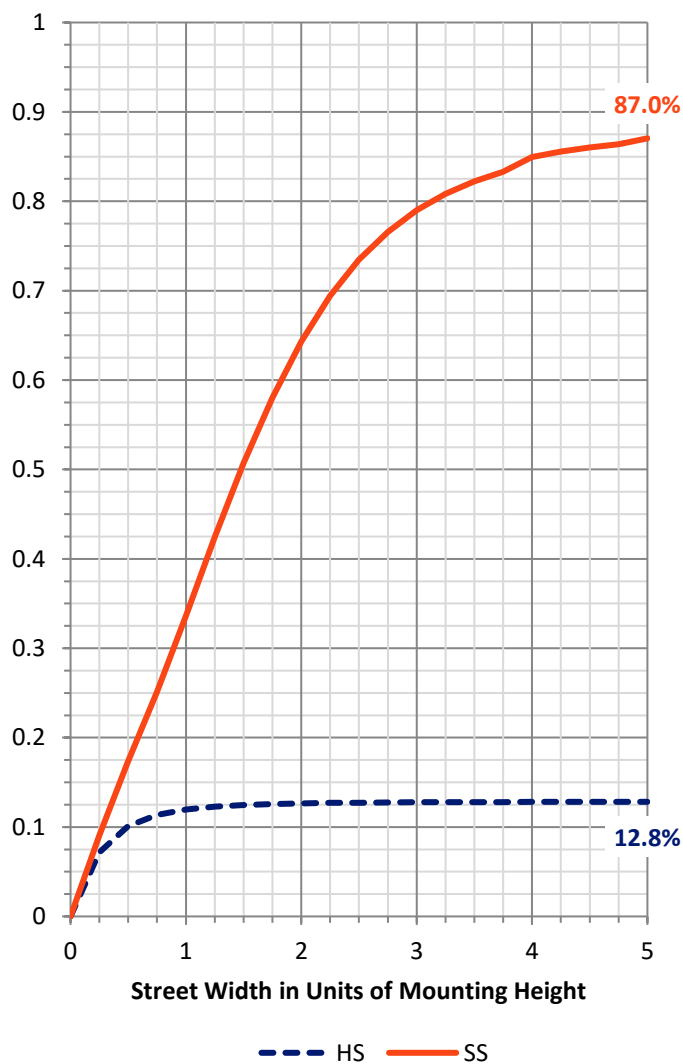
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.2	0.0	334.2
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	2253.8	0.0	2253.8
	% Fixture	87.1	0.0	87.1
Total	Lumens	2588.0	0.0	2588.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.2
10°-20°	85.0	3.3
20°-30°	137.5	5.3
30°-40°	203.0	7.8
40°-50°	341.7	13.2
50°-60°	530.6	20.5
60°-70°	663.9	25.7
70°-80°	543.5	21.0
80°-90°	51.5	2.0
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°	2588.0	100.0
0°-180°	2588.0	100.0

Coefficient of Utilization



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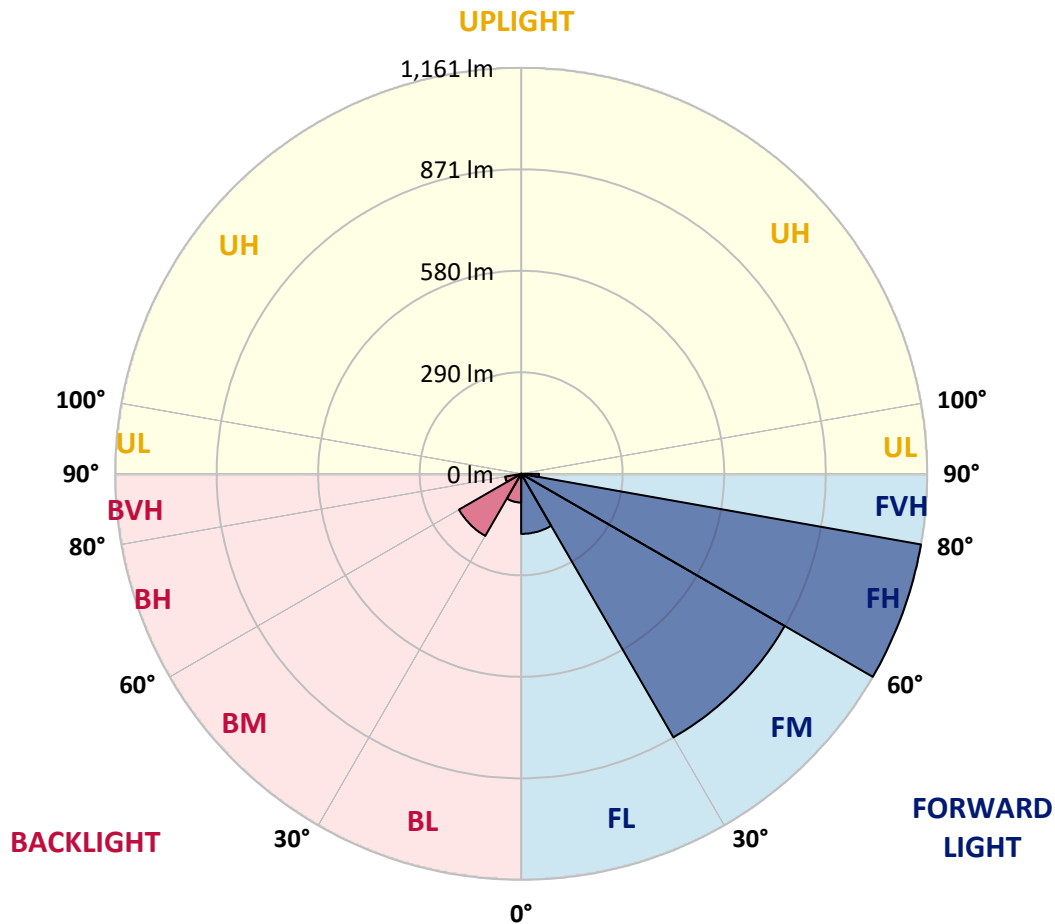
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.8	6.6			
FM	(30°-60°)	870.0	33.6			
FH	(60°-80°)	1160.8	44.9			G1/1800
FVH	(80°-90°)	51.1	2.0			G1/100
BL	(0°-30°)	82.0	3.2	B0/110		
BM	(30°-60°)	205.2	7.9	B0/220		
BH	(60°-80°)	46.6	1.8	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7
2.5°	353.0	354.4	353.6	352.0	351.6	350.9	349.9	349.5	348.1	347.0	345.6
5°	362.9	364.3	363.3	361.2	360.2	359.2	357.9	356.7	354.0	351.4	348.3
7.5°	373.9	375.0	373.9	370.7	369.2	368.0	366.1	364.3	361.2	357.5	353.6
10°	385.9	386.9	385.2	381.1	378.5	376.8	375.0	373.1	370.2	366.1	361.4
12.5°	397.3	398.4	395.7	390.8	387.9	386.1	384.2	382.6	379.7	375.8	370.9
15°	407.6	409.3	404.7	399.4	396.1	394.7	392.8	391.8	389.8	387.1	382.6
17.5°	415.4	416.5	411.7	405.4	401.7	400.8	399.4	400.0	399.6	398.2	395.3
20°	422.0	422.8	416.4	408.8	404.7	404.9	404.5	406.4	407.2	407.2	407.0
22.5°	430.2	430.4	422.2	412.6	407.8	409.1	409.7	411.9	413.4	415.0	418.5
25°	440.9	440.5	430.8	417.7	413.4	415.4	416.7	417.5	419.3	421.8	429.8
27.5°	456.9	455.7	443.3	425.9	420.8	422.6	425.1	424.7	424.0	425.9	439.4
30°	477.2	475.6	459.0	437.4	432.7	434.3	435.1	431.6	425.9	427.7	447.7
32.5°	509.3	506.6	483.6	450.3	443.1	444.8	443.8	436.6	428.2	430.0	456.1
35°	565.3	558.6	526.1	477.2	454.8	452.8	450.5	443.4	433.1	431.4	463.1
37.5°	684.2	672.5	616.9	529.6	481.3	468.6	461.4	454.4	438.4	431.4	471.1
40°	818.3	806.4	742.3	617.3	525.3	503.9	486.7	467.2	443.8	433.9	483.6
42.5°	958.2	945.2	879.3	726.1	588.3	544.2	512.3	477.6	452.8	441.7	500.2
45°	1114.6	1098.2	1012.0	839.5	679.7	611.3	553.4	498.8	468.4	455.5	522.8
47.5°	1279.5	1258.2	1144.4	949.7	778.1	704.1	628.6	536.8	491.4	476.2	553.4
50°	1425.7	1404.6	1281.0	1064.9	870.1	792.4	714.4	589.4	525.9	505.4	594.5
52.5°	1530.7	1514.7	1405.4	1183.8	965.8	875.2	792.2	650.6	569.6	542.9	643.0
55°	1601.1	1586.5	1493.5	1296.4	1077.1	966.4	868.8	717.1	622.2	587.7	696.6
57.5°	1643.8	1635.4	1557.2	1397.0	1187.5	1066.2	956.5	790.2	684.2	640.5	756.5
60°	1659.0	1652.2	1596.8	1492.9	1320.8	1186.1	1059.6	872.7	759.4	700.5	817.9
62.5°	1618.4	1619.8	1625.3	1606.5	1461.3	1326.4	1183.2	971.7	842.8	768.6	875.6
65°	1427.6	1438.9	1542.6	1732.5	1647.5	1502.3	1340.5	1092.5	938.4	846.0	921.4
67.5°	1182.0	1198.4	1327.4	1806.1	1845.9	1730.5	1559.6	1246.5	1052.2	924.7	938.7
70°	904.8	922.4	1078.7	1790.7	2031.7	1980.0	1830.5	1442.4	1170.1	979.3	894.5
72.5°	645.8	654.7	777.9	1653.7	2107.9	2150.0	2030.1	1628.0	1230.3	949.1	729.6
75°	453.8	452.2	533.9	1331.7	1989.2	2129.3	1960.1	1527.6	1113.4	754.0	449.9
77.5°	197.7	198.0	266.7	808.7	1587.6	1818.6	1629.3	956.9	776.2	399.6	189.9
80°	51.3	52.8	97.9	322.0	955.9	1200.3	993.7	420.6	358.7	97.5	36.3
82.5°	18.1	19.3	45.0	101.2	352.6	550.5	442.5	134.5	93.6	27.9	9.7
85°	5.3	6.2	24.2	31.0	72.9	155.5	107.4	26.1	23.0	14.4	2.5
87.5°	0.0	0.8	4.9	4.3	4.3	2.9	5.5	2.9	3.7	1.8	0.8
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°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7
2.5°	344.4	343.1	340.1	337.0	334.1	331.4	330.6	327.7	326.3	326.5	326.3
5°	346.2	343.6	338.0	331.2	324.2	316.2	309.5	300.2	292.2	291.2	290.6
7.5°	350.9	346.8	337.6	324.3	306.8	284.8	264.3	244.0	232.5	226.3	225.9
10°	358.1	352.6	338.6	313.2	276.0	236.6	205.6	180.1	167.0	161.0	159.8
12.5°	366.6	360.6	340.1	294.3	236.2	184.6	151.1	135.5	132.7	132.4	132.2
15°	378.7	372.1	341.9	268.8	193.2	140.5	125.1	125.3	127.5	128.6	128.5
17.5°	392.2	385.6	339.4	237.6	150.7	120.1	119.7	121.4	124.6	125.7	125.5
20°	405.8	399.6	330.4	201.0	121.8	114.4	116.0	117.9	121.0	122.6	122.6
22.5°	419.9	414.4	316.2	162.0	109.9	110.3	112.3	114.2	117.7	119.5	119.5
25°	434.9	430.2	297.3	129.8	104.9	106.0	108.6	110.9	114.6	116.8	116.8
27.5°	450.1	446.6	275.8	108.4	100.2	101.6	104.5	107.6	111.3	113.8	114.0
30°	466.6	464.7	258.7	100.4	95.7	96.9	100.2	103.7	107.8	110.9	111.3
32.5°	483.6	483.2	250.3	106.2	91.6	92.4	95.3	98.8	103.9	107.8	108.2
35°	500.4	501.1	245.4	122.8	90.2	88.1	90.1	93.2	99.2	104.1	104.9
37.5°	521.8	523.8	245.2	140.7	93.6	83.8	85.2	87.3	92.6	98.2	99.2
40°	553.8	564.1	257.7	156.1	99.4	79.9	80.3	80.7	83.4	88.1	89.7
42.5°	596.3	626.5	302.7	166.7	101.7	76.4	75.0	72.9	72.5	75.0	76.4
45°	649.1	701.9	381.9	172.5	99.4	72.5	68.8	63.2	61.0	62.8	62.8
47.5°	711.3	784.6	475.6	173.9	95.5	67.6	61.0	53.6	51.8	52.4	52.2
50°	771.9	846.5	558.1	162.6	89.1	61.4	52.4	46.2	45.0	45.2	45.2
52.5°	825.5	867.8	581.5	135.9	80.5	53.8	45.0	40.7	40.0	40.0	39.8
55°	861.0	844.8	518.5	103.9	69.8	46.0	38.6	36.5	36.1	35.9	35.5
57.5°	868.4	769.9	391.6	75.0	54.6	38.8	34.3	33.1	32.4	31.6	31.2
60°	841.9	645.2	249.3	52.4	40.9	33.1	30.4	29.6	28.1	26.5	25.9
62.5°	784.6	487.3	138.0	36.5	32.9	28.3	26.9	25.9	23.0	20.5	19.7
65°	707.6	324.0	61.0	28.5	26.9	23.8	23.0	21.6	18.1	15.2	14.6
67.5°	630.2	186.5	27.5	22.8	21.6	19.5	18.9	17.9	15.4	12.7	12.3
70°	541.9	94.5	18.9	18.1	16.8	14.8	15.4	15.2	12.7	10.3	9.9
72.5°	403.5	47.0	14.2	13.6	12.1	10.5	12.7	12.5	9.9	7.8	7.4
75°	228.4	23.2	10.3	9.6	7.2	7.8	10.1	9.6	6.8	5.1	4.7
77.5°	90.6	11.9	6.8	5.8	4.3	5.3	7.4	6.4	3.5	2.1	1.9
80°	20.9	5.8	3.5	2.5	1.9	3.1	3.9	2.3	1.0	0.2	0.0
82.5°	5.8	2.5	1.2	1.0	1.0	1.2	1.0	0.4	0.0	0.0	0.0
85°	1.9	1.2	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.0	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)