

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: P945204

Luminaire Tested: **GALN-SB1B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

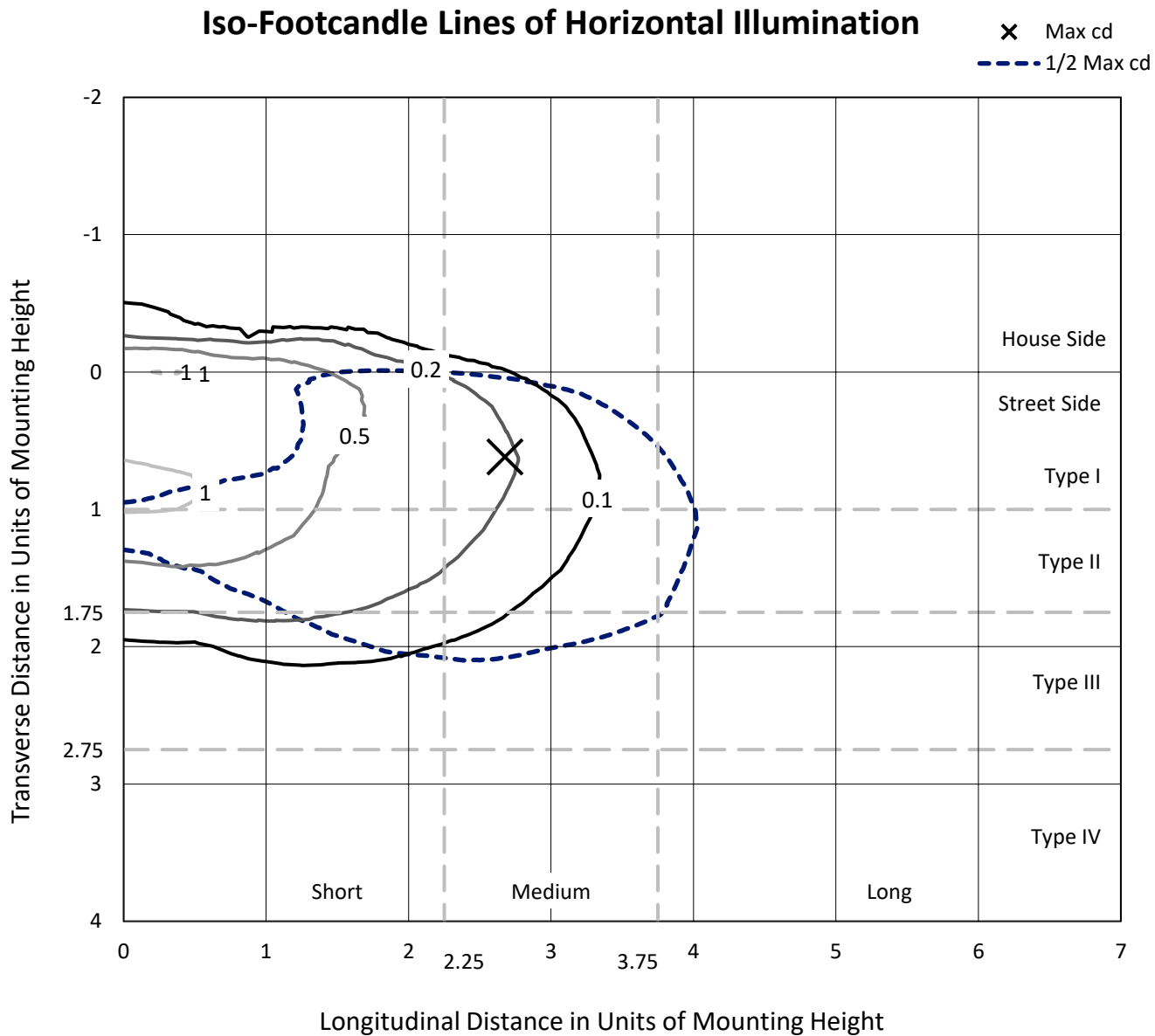
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3874 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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



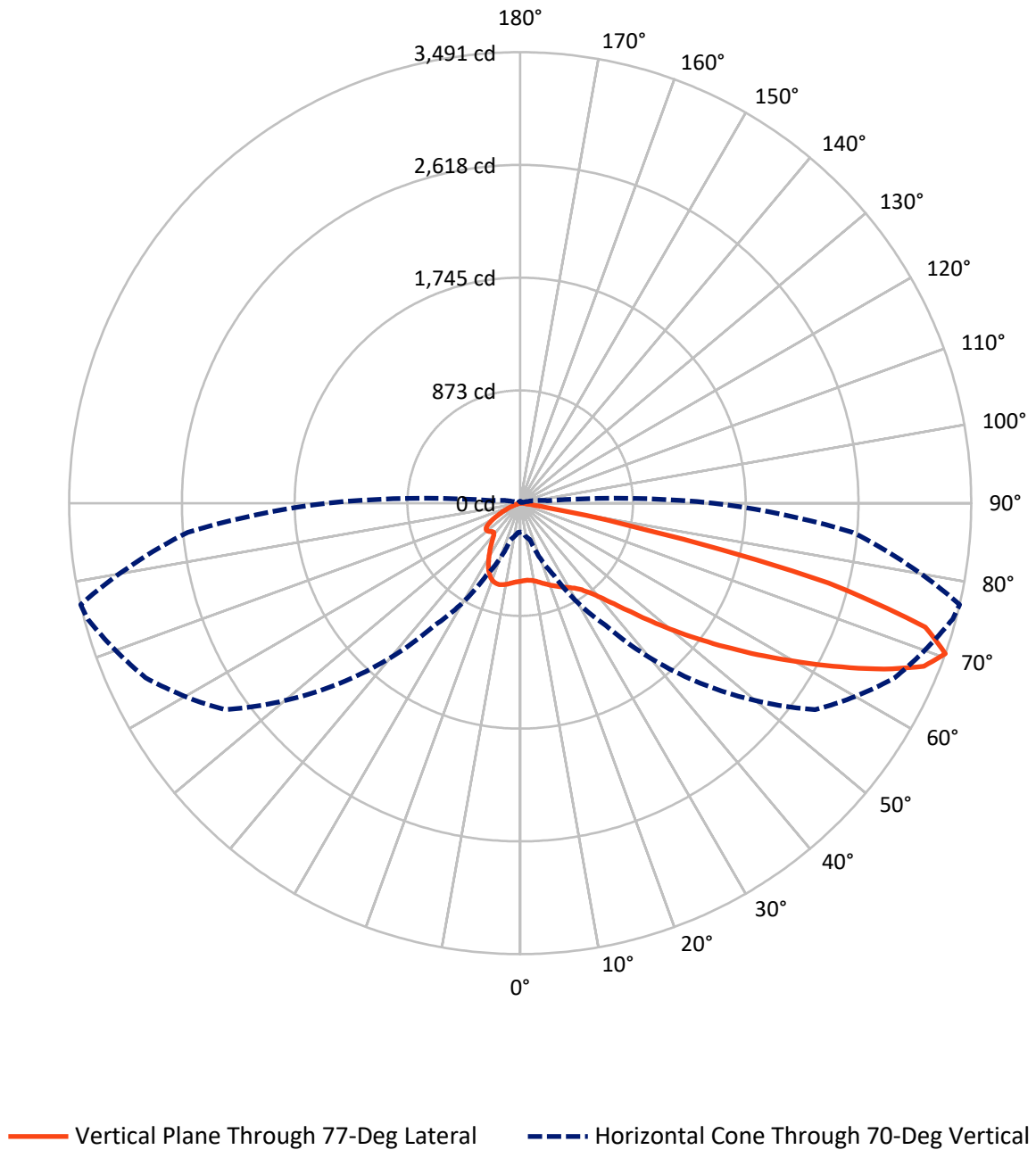
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Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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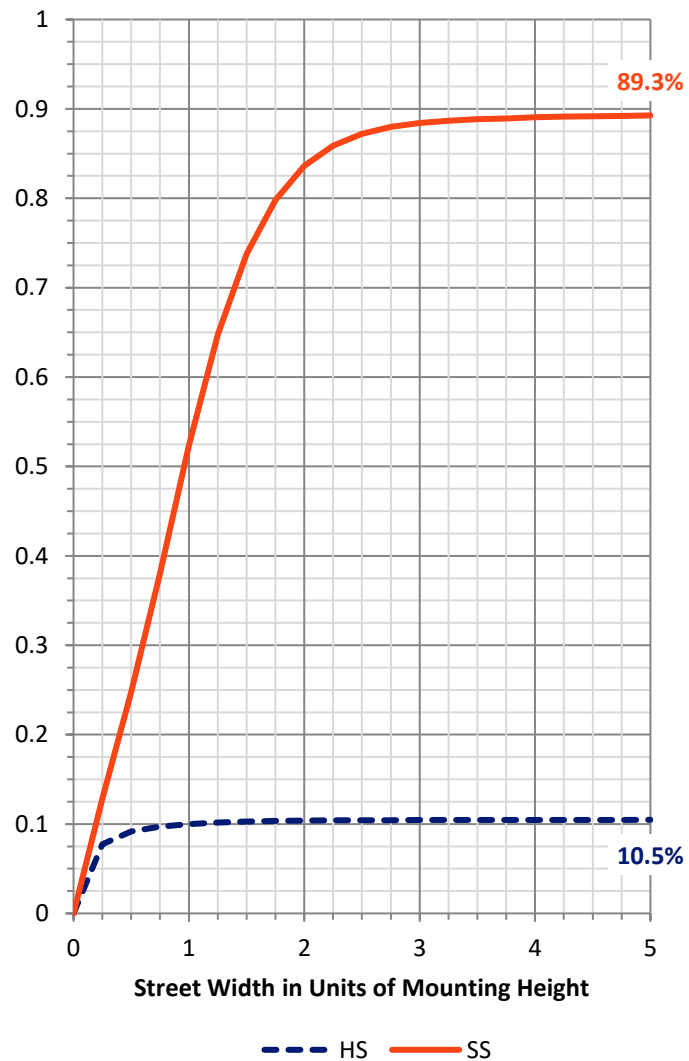
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.4	0.0	408.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3465.6	0.0	3465.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	3874.0	0.0	3874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.3
10°-20°	123.6	3.2
20°-30°	191.2	4.9
30°-40°	347.0	9.0
40°-50°	655.0	16.9
50°-60°	946.4	24.4
60°-70°	1007.4	26.0
70°-80°	533.8	13.8
80°-90°	17.5	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°	3874.0	100.0
0°-180°	3874.0	100.0

Coefficient of Utilization



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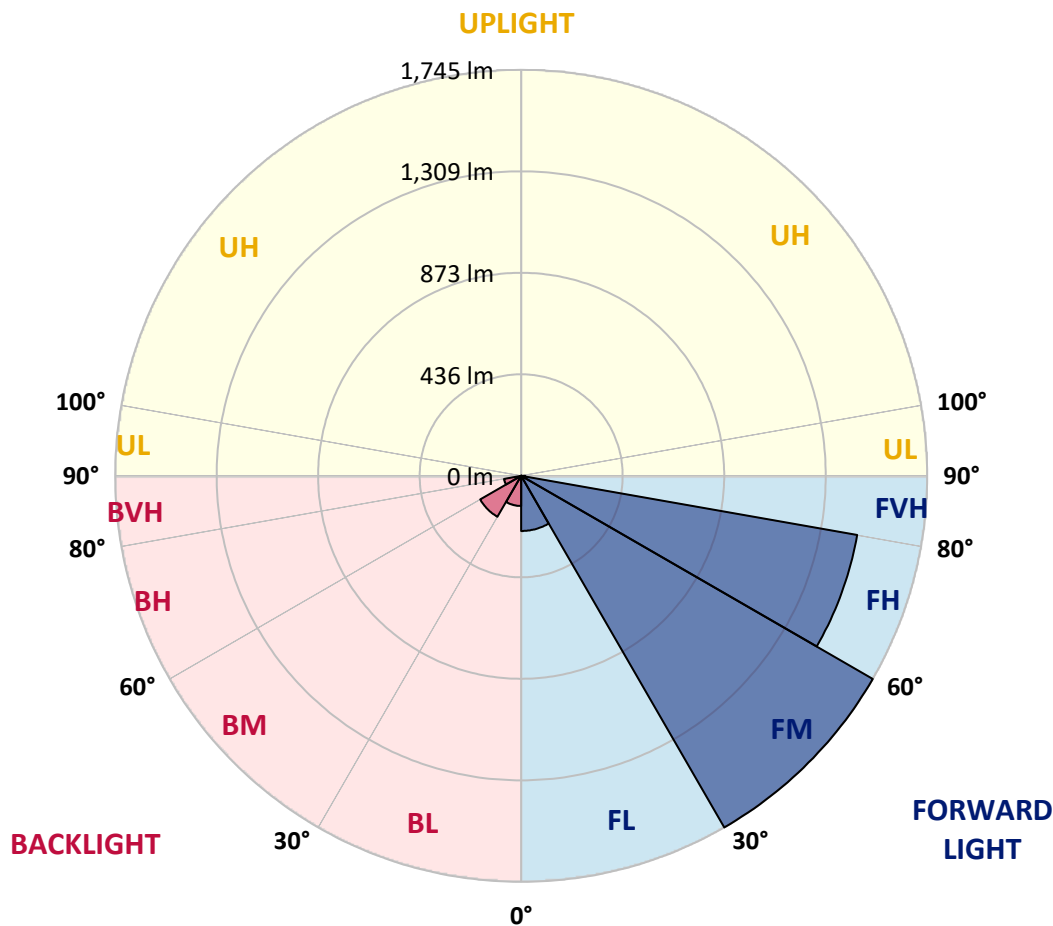
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.2	6.1			
FM	(30°-60°)	1745.0	45.0			
FH	(60°-80°)	1466.4	37.9			G1/1800
FVH	(80°-90°)	17.1	0.4			G1/100
BL	(0°-30°)	129.7	3.3	B1/500		
BM	(30°-60°)	203.3	5.2	B0/220		
BH	(60°-80°)	74.9	1.9	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3
2.5°	567.3	572.5	571.7	575.2	576.4	581.3	586.2	592.8	600.1	599.9	604.8
5°	535.3	540.4	541.6	546.3	552.2	559.7	569.8	583.0	596.7	598.9	608.7
7.5°	497.4	502.7	505.9	515.2	526.0	541.6	558.0	577.4	600.1	603.3	622.1
10°	459.4	464.3	468.5	481.7	498.8	522.1	548.7	576.6	607.2	611.9	638.5
12.5°	436.0	440.6	445.3	456.8	478.0	506.4	542.6	580.1	619.0	625.6	660.8
15°	427.6	431.8	435.5	445.7	465.6	497.9	541.4	587.1	633.9	642.7	687.7
17.5°	428.9	431.1	433.5	441.3	460.7	493.9	543.6	599.4	651.5	659.3	714.6
20°	436.0	437.2	437.4	442.8	459.9	493.4	548.0	611.1	668.1	678.6	741.3
22.5°	445.0	445.5	445.0	448.7	464.6	497.1	553.9	625.3	686.7	696.5	768.2
25°	487.3	478.0	466.3	459.2	472.4	504.2	562.7	644.4	707.0	716.6	794.4
27.5°	618.7	592.0	550.0	502.7	488.6	514.5	574.9	663.7	727.6	736.1	822.5
30°	832.0	797.1	725.6	619.2	540.4	536.0	590.8	683.0	749.3	758.6	852.6
32.5°	1045.9	1037.3	954.9	807.6	657.1	584.0	617.2	709.2	778.2	785.6	893.2
35°	1262.1	1244.8	1177.2	1031.7	836.9	681.6	661.3	743.5	816.1	824.5	952.4
37.5°	1427.8	1417.2	1375.4	1255.5	1050.3	832.3	736.6	796.6	871.2	880.5	1028.2
40°	1574.0	1569.2	1555.0	1475.9	1288.8	1029.5	853.8	878.8	947.5	958.5	1121.2
42.5°	1689.0	1700.5	1708.6	1686.6	1534.7	1254.5	1011.4	994.2	1053.9	1065.2	1239.6
45°	1806.7	1810.6	1843.2	1875.0	1778.8	1489.9	1189.0	1129.5	1186.3	1200.2	1381.5
47.5°	1882.3	1898.0	1955.2	2011.2	1984.1	1723.3	1379.8	1289.3	1339.7	1365.9	1540.5
50°	1887.9	1917.5	1996.3	2093.9	2133.6	1945.4	1587.3	1471.3	1524.9	1553.7	1710.3
52.5°	1794.2	1840.2	1962.3	2105.2	2214.3	2133.6	1801.8	1653.3	1722.1	1759.7	1886.5
55°	1375.6	1435.8	1834.4	2044.0	2217.5	2276.2	2010.7	1842.9	1941.8	1984.3	2076.8
57.5°	1198.5	1228.9	1442.2	1937.8	2158.5	2333.7	2199.6	2023.5	2180.8	2233.6	2256.6
60°	997.2	1037.1	1209.5	1764.1	2078.5	2339.3	2366.5	2256.4	2439.8	2499.3	2421.5
62.5°	677.7	721.0	892.5	1465.7	1969.2	2336.6	2503.2	2496.1	2727.8	2791.6	2561.2
65°	419.8	447.0	560.0	1196.8	1816.2	2339.5	2646.3	2787.2	3031.6	3096.5	2669.3
67.5°	331.7	344.2	403.2	918.9	1552.8	2273.5	2789.2	3061.0	3317.6	3369.0	2702.4
70°	222.9	230.5	293.3	616.0	1155.2	1968.7	2786.5	3198.5	3464.9	3490.6	2582.0
72.5°	117.4	123.3	171.5	285.3	697.7	1399.4	2348.8	3034.1	3318.4	3279.7	2206.9
75°	58.7	68.5	115.5	144.8	298.0	780.4	1458.6	2392.1	2611.8	2462.1	1416.0
77.5°	44.5	53.8	95.4	95.4	103.7	262.7	617.7	1304.7	1203.4	1002.1	415.7
80°	28.4	36.7	83.4	72.2	43.3	66.8	161.0	365.5	255.7	194.5	75.6
82.5°	16.6	24.0	69.5	47.7	24.2	24.7	45.5	77.8	66.3	51.6	23.2
85°	6.6	15.7	47.7	18.8	9.5	6.1	13.7	16.6	13.7	10.3	5.9
87.5°	0.0	3.7	8.3	0.0	0.7	0.5	1.0	1.2	1.2	1.0	2.0
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°	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3	604.3
2.5°	607.0	607.5	608.9	609.2	605.7	601.3	599.6	598.9	596.0	595.7	596.2
5°	614.3	616.5	614.3	607.9	592.8	571.5	555.3	542.1	530.1	526.5	524.3
7.5°	629.0	631.2	624.6	599.6	561.5	519.1	481.0	454.1	429.8	420.8	417.1
10°	650.0	653.0	632.2	581.8	514.2	446.2	381.6	336.1	300.7	286.2	280.1
12.5°	676.4	677.7	636.3	554.6	452.8	355.7	264.2	215.5	184.0	172.2	168.6
15°	705.6	703.8	636.8	517.7	369.2	251.5	172.5	141.6	128.9	125.0	125.0
17.5°	736.1	729.0	627.0	464.3	277.4	172.0	127.9	120.6	118.4	117.4	117.2
20°	766.2	750.3	609.2	394.6	199.1	128.4	116.2	114.0	112.8	112.3	111.8
22.5°	793.6	766.5	578.6	313.6	144.6	113.5	109.8	107.9	105.7	104.7	104.5
25°	820.3	775.8	535.5	238.0	115.7	106.2	103.2	99.6	96.6	95.4	94.9
27.5°	846.2	781.6	481.7	176.1	103.2	99.3	93.9	88.8	86.6	86.1	85.6
30°	873.9	783.6	420.5	131.4	95.7	90.8	82.9	77.1	75.8	76.1	76.1
32.5°	907.6	786.5	358.9	107.6	89.3	80.5	71.2	65.1	64.1	65.1	64.8
35°	948.0	792.4	299.4	99.1	83.7	70.0	59.9	54.8	53.8	54.6	54.3
37.5°	1002.8	801.9	243.9	97.4	79.0	61.2	50.4	46.2	46.2	46.5	46.2
40°	1075.7	827.4	194.2	96.1	76.6	54.6	42.6	40.9	41.6	42.1	42.1
42.5°	1164.5	881.5	160.7	94.7	73.9	51.6	38.7	37.9	39.1	39.6	39.6
45°	1264.1	950.0	149.0	92.2	71.4	53.6	36.9	36.0	37.4	37.7	37.9
47.5°	1367.1	1017.0	147.5	89.5	69.0	56.5	36.5	34.3	36.0	36.2	36.5
50°	1471.3	1060.8	149.0	85.4	65.1	56.5	36.7	32.5	34.0	34.7	35.0
52.5°	1576.3	1080.8	148.0	76.3	58.2	53.1	36.7	31.1	32.5	33.0	33.0
55°	1678.0	1076.9	133.1	62.9	49.4	47.0	35.7	29.8	30.8	31.1	31.1
57.5°	1758.5	1022.4	105.4	48.9	40.1	39.1	32.5	28.4	29.1	28.9	28.9
60°	1800.6	902.5	75.4	37.7	31.6	30.8	28.6	26.4	26.9	25.7	25.4
62.5°	1801.1	744.0	50.4	29.8	25.2	24.5	24.5	23.7	23.2	20.8	20.1
65°	1762.7	568.1	33.5	23.7	20.3	19.1	20.6	20.3	18.6	15.2	14.7
67.5°	1675.6	372.4	25.4	18.6	15.7	14.9	16.4	17.1	15.9	12.7	12.5
70°	1496.5	216.8	21.0	14.4	11.7	11.0	13.2	14.7	13.2	10.3	9.8
72.5°	1243.0	116.9	17.1	10.8	8.1	7.3	10.5	12.0	10.5	7.6	7.3
75°	806.6	62.6	13.2	7.1	4.2	4.6	7.8	8.8	7.3	4.9	4.4
77.5°	270.8	27.6	8.3	3.4	2.0	2.0	4.6	5.4	3.4	1.7	1.5
80°	60.4	11.5	3.4	1.5	0.7	0.7	1.0	1.0	0.5	0.0	0.0
82.5°	19.8	4.6	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.2	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)