

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: P944835

Luminaire Tested: **GALN-SB1A-722-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
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-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3004 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

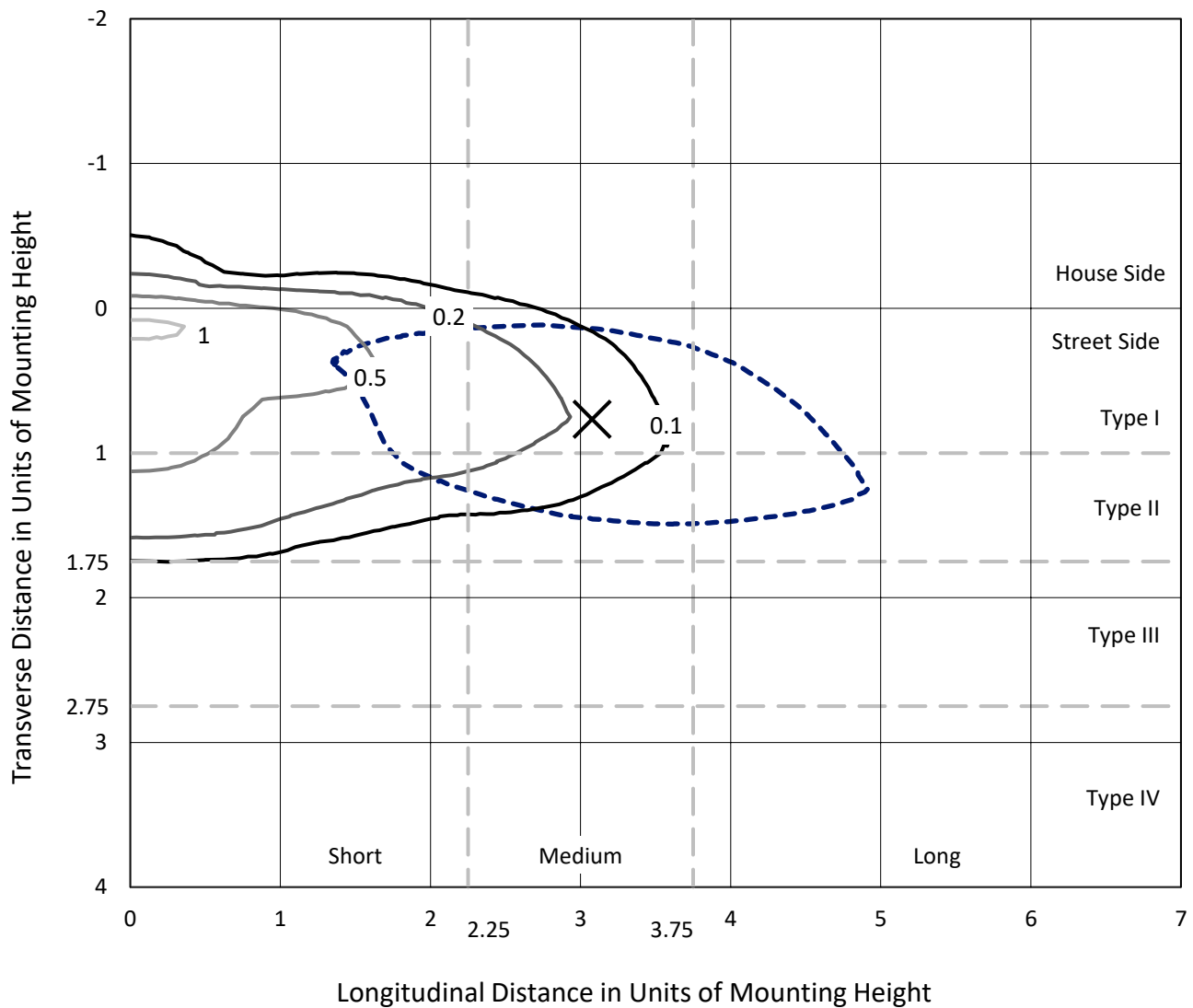
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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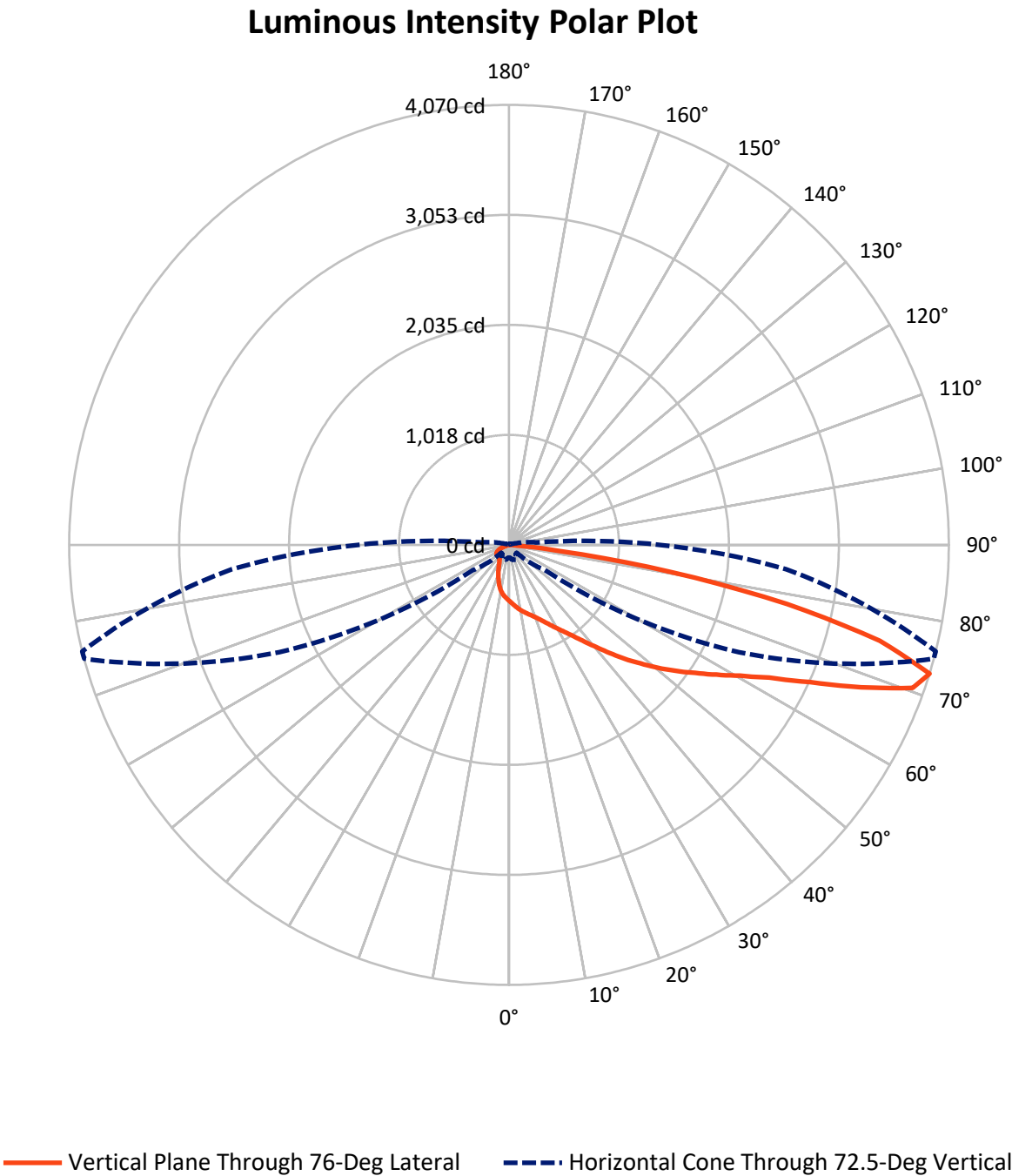
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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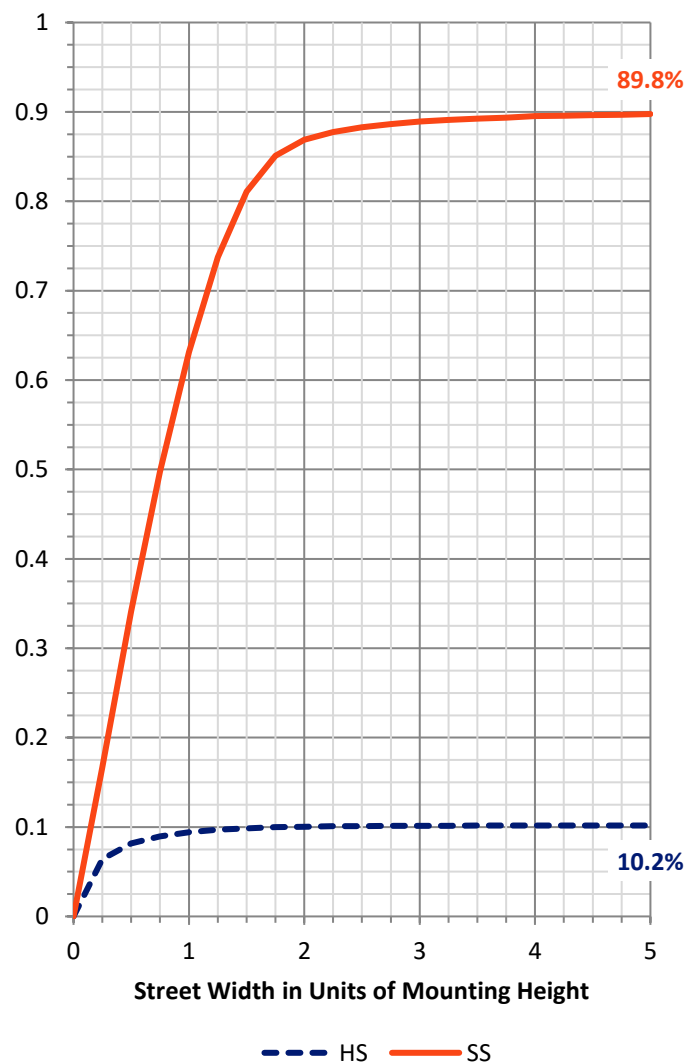
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	307.5	0.0	307.5
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	2696.5	0.0	2696.5
	% Fixture	89.8	0.0	89.8
Total	Lumens	3004.0	0.0	3004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	1.6
10°-20°	126.6	4.2
20°-30°	200.4	6.7
30°-40°	310.0	10.3
40°-50°	470.8	15.7
50°-60°	649.1	21.6
60°-70°	685.7	22.8
70°-80°	470.4	15.7
80°-90°	43.8	1.5
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°	3004.0	100.0
0°-180°	3004.0	100.0

Coefficient of Utilization



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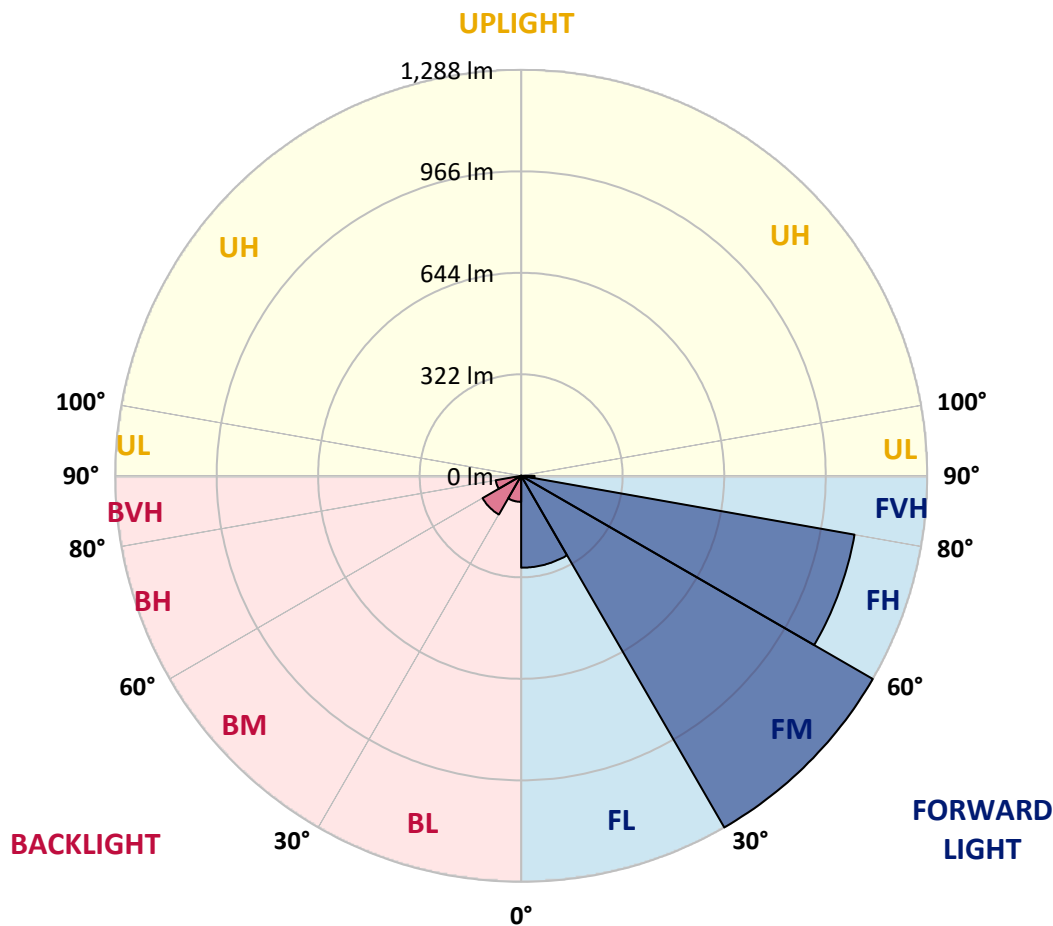
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.5	9.7			
FM	(30°-60°)	1288.3	42.9			
FH	(60°-80°)	1074.1	35.8			G1/1800
FVH	(80°-90°)	42.6	1.4			G1/100
BL	(0°-30°)	82.6	2.8	B0/110		
BM	(30°-60°)	141.6	4.7	B0/220		
BH	(60°-80°)	82.1	2.7	B0/110		G0/110
BVH	(80°-90°)	1.2	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	603.5	595.5	597.1	589.1	585.4	576.4	567.1	554.8	541.1	541.1	527.9
5°	667.0	662.0	662.0	652.6	645.4	631.4	614.6	593.0	567.2	564.7	539.6
7.5°	706.0	702.9	704.8	699.4	693.5	678.9	659.0	630.8	594.3	591.2	553.4
10°	713.6	713.4	718.9	720.4	724.3	716.9	699.2	666.6	621.0	616.5	565.3
12.5°	684.2	680.5	693.9	709.7	731.9	741.8	732.7	699.4	645.4	639.2	576.4
15°	635.8	636.6	649.5	673.8	710.9	746.3	758.2	731.3	670.1	662.7	586.9
17.5°	608.2	605.2	616.4	638.2	679.1	729.2	770.1	761.1	696.4	688.1	597.6
20°	604.9	604.7	607.2	617.1	648.3	704.6	768.7	790.2	727.4	717.7	613.0
22.5°	627.9	627.5	625.3	623.4	631.9	680.7	762.9	817.8	764.5	753.9	634.9
25°	663.1	662.5	659.2	647.3	639.0	667.8	757.4	843.6	808.3	796.6	661.4
27.5°	706.2	705.8	699.8	681.8	660.2	669.0	754.7	870.1	859.0	847.5	692.0
30°	759.0	758.2	745.7	720.4	692.2	687.5	758.4	899.9	911.8	903.0	727.2
32.5°	825.2	823.1	806.7	768.5	729.0	712.2	765.4	930.5	974.3	966.1	774.4
35°	876.5	873.2	863.6	829.9	771.7	742.6	781.8	966.7	1049.5	1042.3	834.6
37.5°	920.5	917.2	909.4	881.8	832.8	781.4	808.1	1015.0	1138.4	1134.9	908.1
40°	968.1	962.6	958.9	929.3	885.1	837.3	845.7	1071.6	1240.7	1241.1	996.3
42.5°	1004.7	1002.6	1003.0	980.2	935.5	903.6	895.6	1135.3	1363.3	1367.0	1102.5
45°	1036.1	1034.3	1041.5	1025.6	986.4	947.0	954.1	1207.4	1497.3	1504.9	1221.4
47.5°	1060.3	1062.2	1072.5	1062.2	1039.2	977.6	1005.9	1285.1	1638.2	1639.2	1344.2
50°	1084.4	1085.2	1102.3	1097.3	1087.9	1016.4	1053.6	1372.0	1786.7	1788.5	1458.9
52.5°	1092.0	1090.8	1118.1	1130.6	1131.0	1064.3	1115.4	1466.7	1932.3	1937.9	1577.0
55°	1053.0	1056.4	1100.4	1151.1	1171.1	1130.6	1198.8	1586.6	2087.4	2089.7	1694.0
57.5°	862.5	880.8	978.2	1095.7	1197.0	1225.5	1318.6	1726.7	2266.5	2264.3	1812.4
60°	523.4	545.2	661.8	919.0	1112.5	1320.8	1495.2	1943.8	2462.1	2456.1	1932.3
62.5°	292.7	299.3	336.5	550.1	846.1	1260.2	1667.6	2222.6	2724.8	2704.3	2050.2
65°	215.7	217.9	226.6	269.5	415.8	969.3	1629.8	2556.0	3093.9	3057.4	2191.4
67.5°	187.5	189.6	198.2	204.0	185.7	509.2	1342.8	2741.0	3562.5	3514.8	2382.6
70°	157.8	159.0	172.8	176.7	132.9	193.7	862.7	2683.9	3996.3	3962.2	2587.8
72.5°	117.7	122.4	142.4	151.8	106.6	102.9	406.1	2346.6	4069.7	4070.1	2574.0
75°	79.9	84.2	107.2	124.9	82.2	72.1	163.9	1752.2	3543.8	3543.8	2256.3
77.5°	54.6	58.1	74.6	98.0	62.4	49.5	85.0	1112.1	2542.4	2631.8	1608.2
80°	24.2	26.3	48.1	71.1	47.4	32.0	48.1	608.9	1537.5	1518.6	630.4
82.5°	11.9	13.6	30.8	44.4	30.6	19.7	25.3	289.6	498.3	473.5	98.4
85°	2.3	3.1	16.6	18.9	14.2	8.8	9.5	89.1	60.0	68.6	20.9
87.5°	0.0	0.0	5.1	3.5	1.6	1.9	1.9	8.0	4.7	5.5	5.5
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°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	520.9	513.7	497.9	482.3	466.3	451.7	441.6	431.4	425.2	422.5	422.9
5°	525.0	510.3	477.2	442.5	408.2	374.7	349.6	326.0	318.6	306.3	307.1
7.5°	531.4	507.6	455.4	396.9	341.2	292.1	256.6	228.4	217.1	206.2	206.0
10°	535.7	502.6	426.6	348.4	273.0	217.9	184.0	163.5	156.1	149.5	149.3
12.5°	537.4	493.2	393.4	294.0	212.4	166.0	145.8	136.2	133.7	131.3	131.3
15°	539.0	484.0	356.4	241.6	167.8	138.9	130.9	127.8	126.1	124.5	124.5
17.5°	540.4	472.4	314.1	196.4	141.7	128.0	124.1	120.8	119.5	117.7	117.7
20°	545.0	461.0	276.3	162.1	127.4	120.2	115.9	112.4	111.3	110.1	110.3
22.5°	553.8	451.9	239.7	138.9	118.9	112.2	106.8	102.9	102.1	101.3	100.7
25°	564.3	440.6	205.2	123.9	110.5	103.1	97.0	93.7	93.0	93.1	92.8
27.5°	577.8	428.1	175.6	114.4	103.1	94.5	87.7	85.2	85.5	86.3	85.9
30°	592.6	416.6	152.4	107.8	96.5	86.9	80.1	78.3	79.7	80.9	80.5
32.5°	614.6	406.5	136.2	102.5	90.6	80.7	75.2	73.1	74.6	76.2	75.8
35°	644.6	401.4	127.1	98.0	85.5	75.8	70.3	68.8	70.3	70.7	70.5
37.5°	681.4	401.0	123.2	94.3	80.9	71.7	65.7	65.1	66.3	66.4	66.1
40°	729.0	403.6	120.2	91.6	76.0	67.0	61.4	60.8	61.2	62.6	62.4
42.5°	789.2	414.1	116.1	88.1	70.7	62.4	57.9	56.5	56.3	57.9	57.7
45°	864.8	437.3	110.7	82.4	66.1	58.5	54.0	52.4	51.8	52.2	52.8
47.5°	947.2	465.7	105.2	77.2	62.7	55.3	50.9	48.9	47.9	47.9	47.9
50°	1027.1	497.9	101.5	71.7	60.4	52.4	47.5	45.6	44.0	43.6	43.5
52.5°	1106.2	529.4	98.6	66.3	57.7	48.7	44.4	42.3	40.5	39.8	39.4
55°	1178.3	559.5	93.5	61.0	54.2	44.8	41.3	39.2	37.0	35.7	35.1
57.5°	1247.5	584.4	84.2	55.5	48.7	41.1	38.0	35.7	33.1	31.4	30.6
60°	1310.5	597.3	72.5	49.7	43.3	37.2	34.3	32.2	28.8	25.9	25.1
62.5°	1358.4	592.2	59.8	43.1	37.6	33.7	30.0	27.9	24.0	20.5	19.1
65°	1407.5	564.5	47.7	36.0	32.9	29.0	25.1	23.0	18.5	14.8	13.8
67.5°	1471.2	505.5	37.6	30.0	28.5	23.0	19.7	18.3	15.2	11.7	10.9
70°	1512.1	392.7	29.2	24.4	23.4	16.8	15.2	15.0	12.1	9.0	8.0
72.5°	1399.9	257.4	22.4	18.5	16.8	10.9	11.7	11.7	8.8	6.0	5.3
75°	1168.6	150.6	16.2	13.3	9.5	7.0	8.0	8.0	5.5	2.9	2.3
77.5°	834.6	80.3	10.7	8.2	4.9	3.1	4.3	4.1	1.8	0.2	0.0
80°	319.2	27.7	5.1	3.3	1.4	0.6	0.4	0.2	0.2	0.0	0.0
82.5°	48.7	7.2	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.0	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)