

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: P938889

Luminaire Tested: **GALN-SB1B-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4599 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
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



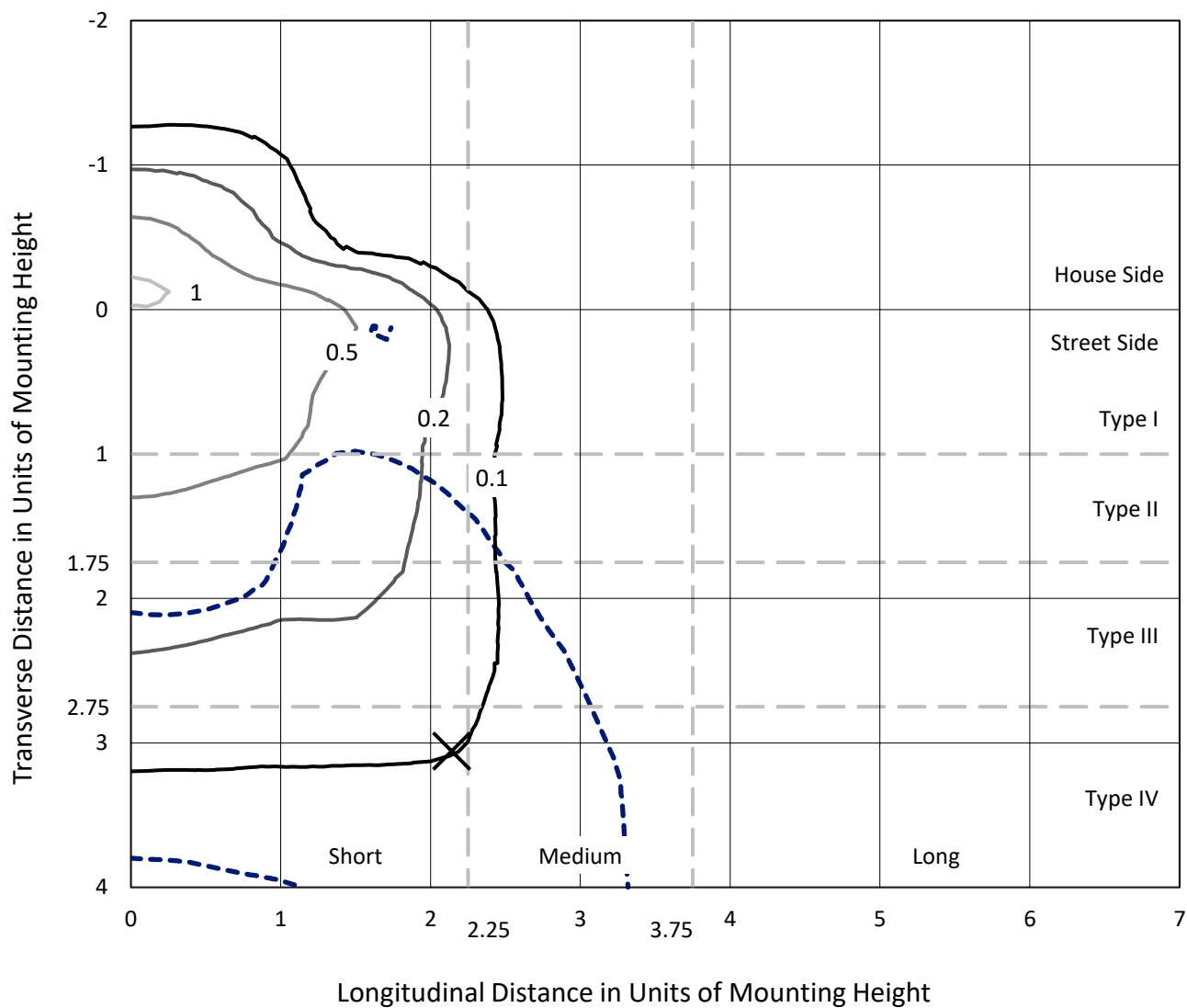
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

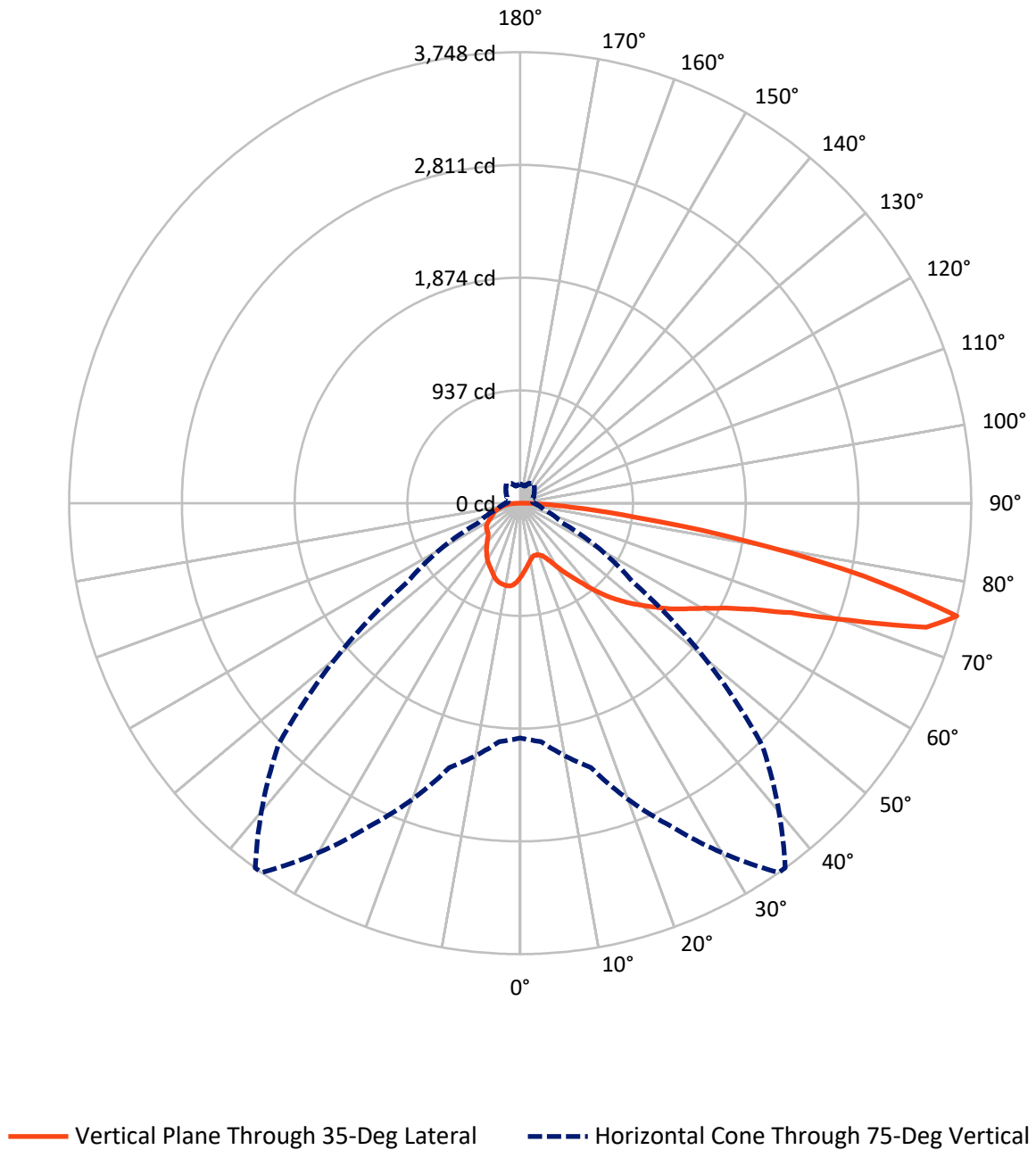


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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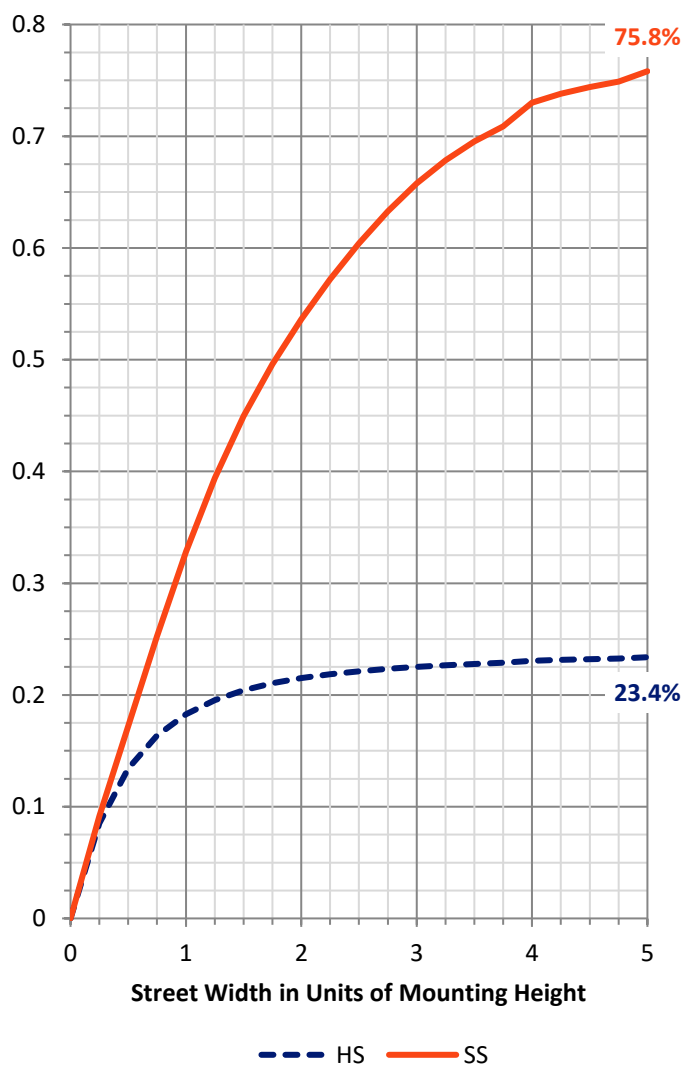
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.4	0.0	1094.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3504.6	0.0	3504.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	4599.0	0.0	4599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.3
10°-20°	167.4	3.6
20°-30°	281.1	6.1
30°-40°	436.8	9.5
40°-50°	648.3	14.1
50°-60°	895.1	19.5
60°-70°	1085.9	23.6
70°-80°	897.4	19.5
80°-90°	129.1	2.8
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°	4599.0	100.0
0°-180°	4599.0	100.0

Coefficient of Utilization



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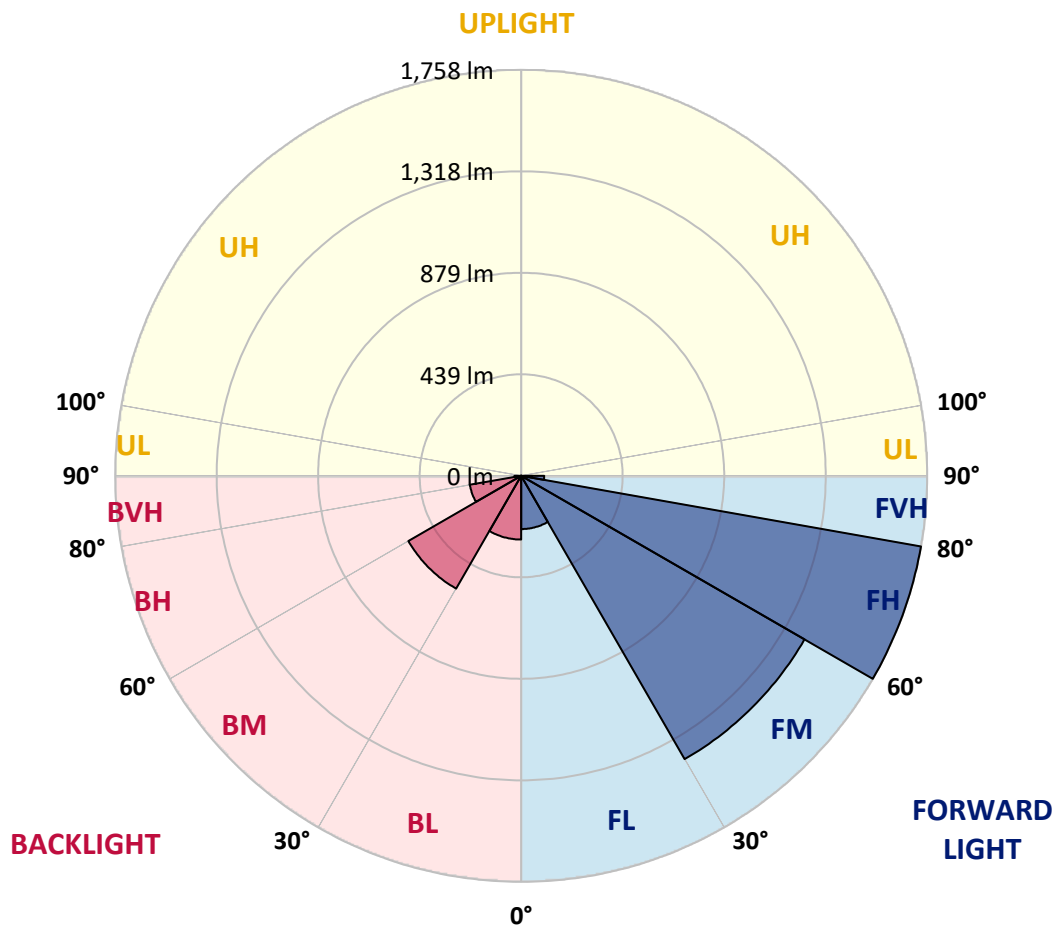
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.6	5.0			
FM	(30°-60°)	1416.2	30.8			
FH	(60°-80°)	1757.7	38.2			G1/1800
FVH	(80°-90°)	100.0	2.2			G2/225
BL	(0°-30°)	275.8	6.0	B1/500		
BM	(30°-60°)	563.9	12.3	B1/1000		
BH	(60°-80°)	225.6	4.9	B1/500		G1/500
BVH	(80°-90°)	29.1	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	565.1	568.6	570.1	569.3	573.1	572.6	577.8	584.3	593.2	601.9	614.6
5°	521.6	525.3	528.6	531.5	538.8	541.0	549.2	561.6	578.0	594.7	615.6
7.5°	481.1	484.3	489.3	494.8	506.9	509.2	522.8	542.2	565.1	589.5	618.3
10°	448.0	451.2	456.5	462.7	477.8	480.6	498.0	523.8	553.7	584.5	621.3
12.5°	433.8	434.8	437.8	444.0	457.2	459.0	478.1	507.7	542.5	580.8	625.8
15°	433.1	435.1	435.3	438.6	449.5	450.3	467.9	497.2	535.5	580.0	632.5
17.5°	440.6	442.0	439.8	441.8	451.0	452.2	466.2	492.3	533.3	583.3	643.9
20°	460.4	461.7	455.0	452.2	459.0	459.9	473.6	495.5	535.5	590.0	659.6
22.5°	502.7	503.5	487.0	475.9	476.4	476.9	488.8	508.7	544.2	602.2	679.5
25°	568.6	568.1	542.0	520.4	507.9	505.2	513.2	530.1	558.9	618.3	705.1
27.5°	645.7	641.9	615.8	583.5	556.4	552.4	550.7	557.9	579.8	639.7	736.4
30°	732.7	729.2	701.1	658.8	621.3	614.8	598.4	594.7	610.9	668.8	779.9
32.5°	828.2	825.9	792.4	741.1	690.9	683.5	655.9	645.9	658.6	712.8	840.6
35°	908.2	906.2	878.4	825.7	764.3	755.1	727.0	715.8	722.2	769.2	919.9
37.5°	980.6	979.6	955.7	914.2	850.8	839.6	808.0	804.3	803.0	843.6	1016.1
40°	1047.7	1045.2	1020.3	998.5	951.5	941.3	913.4	910.2	900.7	935.1	1125.0
42.5°	1122.0	1115.6	1079.5	1069.3	1056.6	1048.2	1031.5	1032.0	1011.1	1038.2	1240.4
45°	1182.7	1179.0	1141.9	1135.9	1149.6	1146.1	1160.6	1164.3	1123.8	1146.4	1360.2
47.5°	1247.8	1244.3	1213.0	1208.8	1245.8	1246.8	1297.8	1299.0	1233.7	1258.8	1480.3
50°	1328.1	1323.2	1292.1	1297.3	1338.8	1342.5	1435.8	1427.3	1334.8	1372.9	1599.4
52.5°	1381.1	1384.1	1377.4	1385.8	1442.5	1446.0	1571.5	1549.9	1435.0	1485.5	1716.2
55°	1420.1	1426.1	1447.0	1466.4	1551.9	1555.4	1699.6	1666.5	1518.1	1589.9	1826.1
57.5°	1470.3	1461.9	1500.9	1538.7	1655.8	1665.0	1824.1	1778.9	1591.7	1679.9	1901.4
60°	1542.4	1536.5	1566.8	1622.7	1772.2	1786.8	1955.9	1880.1	1645.6	1751.3	1916.1
62.5°	1688.6	1673.7	1678.4	1727.9	1918.8	1938.2	2104.6	1968.3	1672.5	1779.1	1837.5
65°	1907.2	1881.6	1857.7	1892.0	2125.5	2144.6	2272.4	2037.7	1662.5	1725.2	1629.0
67.5°	2182.4	2157.0	2127.7	2160.0	2429.8	2444.9	2479.5	2076.7	1584.2	1517.3	1260.3
70°	2409.4	2399.9	2435.0	2568.0	2915.8	2916.3	2745.0	2044.4	1369.6	1075.8	729.2
72.5°	2379.3	2373.6	2558.3	2969.5	3528.4	3515.2	2996.4	1799.8	922.6	485.3	273.2
75°	1951.9	1989.0	2275.1	2962.3	3748.4	3746.7	2842.5	1144.1	381.6	201.1	141.2
77.5°	1046.7	1105.4	1477.1	2187.1	2926.3	2970.3	1998.4	400.3	163.8	128.8	97.7
80°	341.4	392.6	588.7	1113.6	1901.4	1893.2	856.5	157.1	112.1	91.2	67.6
82.5°	144.9	150.9	263.0	525.8	975.8	960.7	272.7	90.2	78.8	62.4	41.8
85°	56.7	63.4	116.1	243.2	422.7	413.5	98.5	44.8	50.5	40.8	24.9
87.5°	18.6	22.6	41.5	83.3	131.5	126.8	24.1	15.4	21.9	18.6	9.0
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°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	618.1	622.0	626.8	633.7	639.7	644.7	649.9	653.1	654.4	658.1	657.8
5°	622.5	631.2	642.9	654.4	665.6	672.3	678.2	681.2	684.0	685.9	686.4
7.5°	630.0	641.2	659.6	674.5	684.0	689.4	693.4	692.4	693.4	693.9	694.6
10°	636.5	652.1	674.0	688.2	695.4	695.6	694.6	691.2	689.4	689.7	690.2
12.5°	644.2	661.6	685.2	697.1	699.1	693.6	689.4	683.5	681.2	680.2	679.7
15°	654.6	674.5	697.4	701.9	696.9	689.9	682.7	673.0	668.0	664.1	665.3
17.5°	667.3	689.2	706.8	703.6	692.9	681.5	669.8	655.1	644.9	640.7	640.9
20°	684.9	704.6	714.0	699.9	683.7	666.3	646.4	628.5	619.1	614.8	614.3
22.5°	706.3	725.2	721.0	693.4	670.5	642.7	617.8	604.6	599.9	596.9	597.4
25°	731.9	748.1	726.0	684.0	648.9	611.4	592.2	588.0	585.7	583.5	583.5
27.5°	765.3	774.0	729.7	670.0	615.1	578.0	571.1	571.8	571.1	567.4	568.1
30°	809.3	807.5	733.2	647.4	576.3	548.0	548.5	551.7	552.2	549.7	550.9
32.5°	867.2	849.5	734.9	618.1	539.3	521.6	522.1	525.6	528.1	523.8	525.8
35°	937.3	898.5	732.2	581.3	510.7	496.5	492.8	493.8	494.5	490.5	493.3
37.5°	1019.1	953.5	720.0	540.5	487.0	471.9	463.9	457.2	453.2	449.5	452.0
40°	1108.8	1013.4	697.6	500.7	460.7	445.8	433.8	421.2	407.7	402.8	405.0
42.5°	1202.8	1075.0	670.5	462.7	430.4	418.2	405.5	387.1	367.0	356.8	358.0
45°	1300.3	1138.2	643.9	425.1	399.3	394.1	379.4	357.3	335.4	322.5	321.5
47.5°	1395.8	1197.9	604.9	387.3	370.2	375.9	364.5	344.1	319.7	299.3	297.1
50°	1487.0	1253.8	541.0	349.1	346.6	370.4	359.5	330.2	302.3	276.2	274.0
52.5°	1577.5	1299.0	459.2	314.3	333.9	369.0	353.0	320.7	286.7	259.3	256.3
55°	1654.3	1322.4	380.4	284.4	315.5	356.3	345.3	309.5	264.5	235.4	233.0
57.5°	1698.1	1303.5	314.8	255.1	290.1	335.4	332.2	285.7	238.2	215.8	212.8
60°	1679.2	1226.9	261.1	229.5	266.0	312.8	309.3	262.0	218.0	196.9	193.9
62.5°	1575.0	1081.0	218.5	207.1	244.1	289.6	286.4	243.9	202.6	182.2	179.0
65°	1365.2	879.4	185.5	188.5	222.0	261.8	266.5	228.7	190.4	170.6	167.3
67.5°	1041.2	637.0	159.6	172.3	200.4	234.4	248.1	217.8	180.2	161.4	158.4
70°	593.5	361.7	137.7	156.6	181.2	209.1	234.0	209.1	169.3	153.6	151.7
72.5°	225.0	166.1	119.1	141.0	162.8	187.7	218.3	195.4	156.6	144.9	143.0
75°	120.1	101.2	100.2	122.6	141.7	166.8	198.6	182.0	147.2	153.1	158.1
77.5°	81.8	71.6	83.8	104.9	118.6	143.7	177.8	161.6	127.5	127.0	117.1
80°	56.7	50.7	68.1	84.5	91.7	120.8	155.1	138.7	103.9	97.0	92.7
82.5°	34.1	33.1	51.0	63.1	64.9	93.2	128.5	116.4	85.0	74.1	74.6
85°	18.6	19.6	32.6	37.0	37.8	65.1	100.7	90.0	65.4	54.9	55.4
87.5°	5.2	6.7	11.9	14.7	18.1	33.8	59.9	53.5	32.8	22.9	22.9
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)