

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: P938886

Luminaire Tested: **GALN-SB1B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

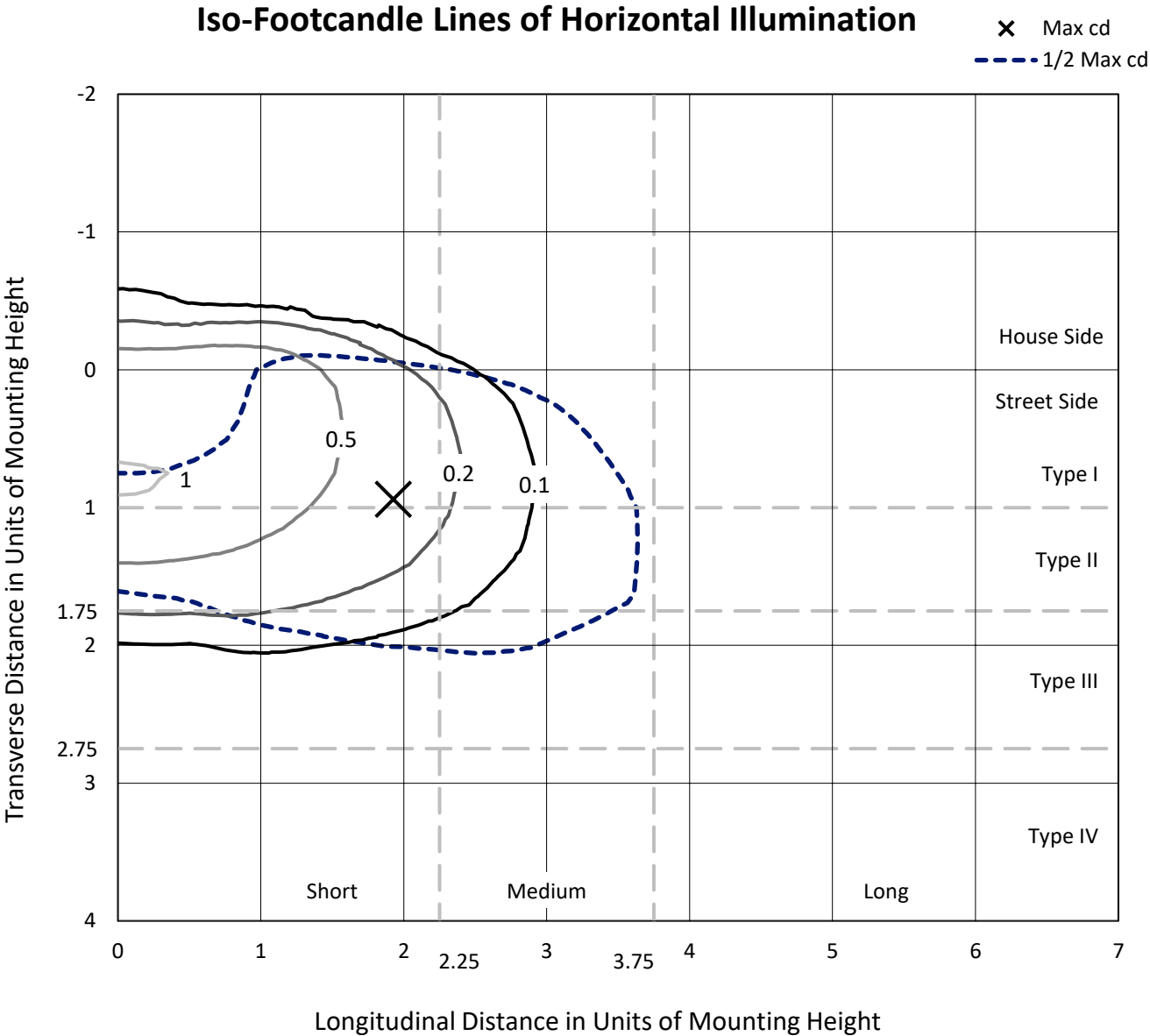
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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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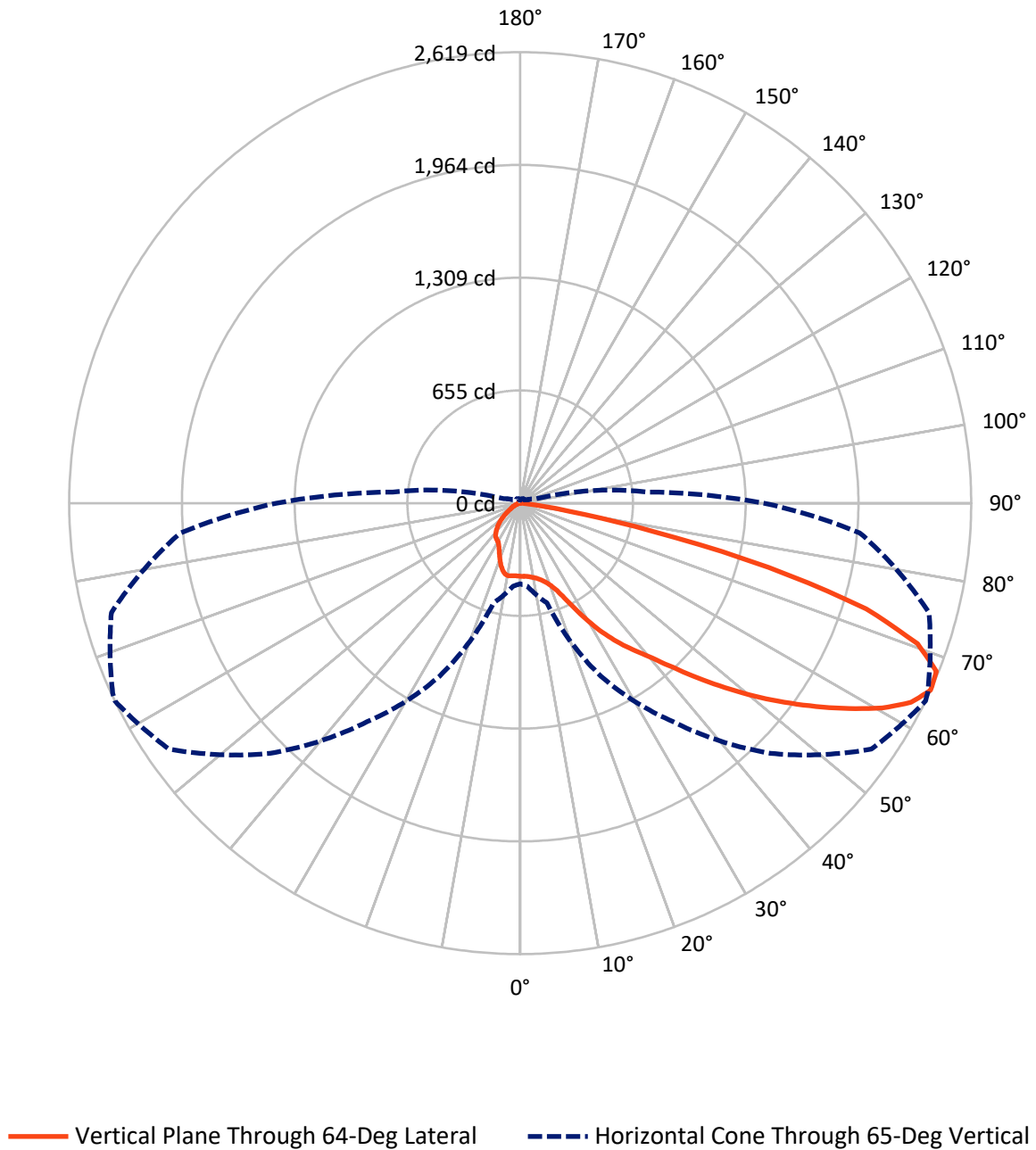


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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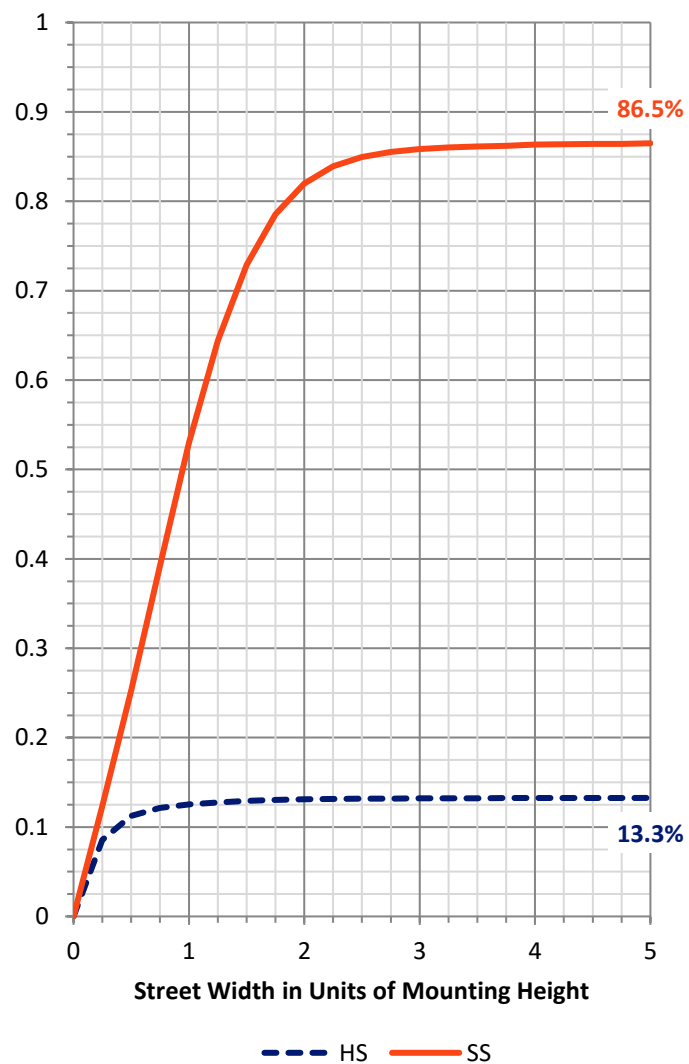
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	488.0	0.0	488.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3161.0	0.0	3161.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	3649.0	0.0	3649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	1.1
10°-20°	106.2	2.9
20°-30°	201.2	5.5
30°-40°	407.2	11.2
40°-50°	693.7	19.0
50°-60°	943.4	25.9
60°-70°	885.9	24.3
70°-80°	354.9	9.7
80°-90°	17.2	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°	3649.0	100.0
0°-180°	3649.0	100.0

Coefficient of Utilization



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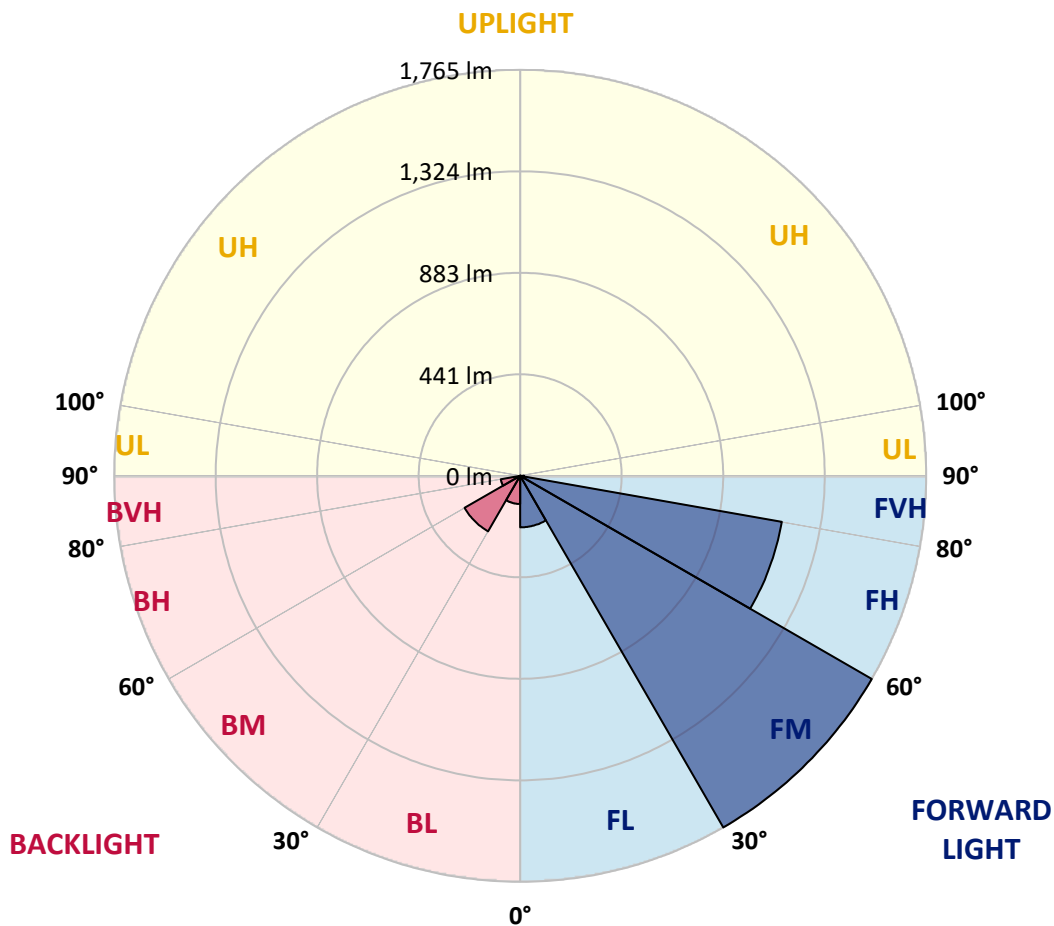
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.1	6.1			
FM	(30°-60°)	1765.4	48.4			
FH	(60°-80°)	1155.2	31.7			G1/1800
FVH	(80°-90°)	16.4	0.4			G1/100
BL	(0°-30°)	122.5	3.4	B1/500		
BM	(30°-60°)	279.0	7.6	B1/1000		
BH	(60°-80°)	85.6	2.3	B0/110		G0/110
BVH	(80°-90°)	0.8	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
2.5°	422.9	425.9	425.2	424.4	424.2	424.7	424.9	424.7	424.7	424.7	424.9
5°	414.9	417.3	417.3	419.0	421.5	424.4	426.6	427.1	427.6	428.3	428.1
7.5°	399.5	401.4	402.9	408.5	414.6	422.5	429.1	432.5	433.0	435.7	436.6
10°	388.9	391.4	393.8	399.7	408.5	420.3	431.5	439.8	441.1	447.4	450.3
12.5°	388.5	390.9	394.1	400.4	410.7	423.2	436.9	448.9	451.1	460.4	466.5
15°	393.6	396.5	399.5	407.3	418.3	433.5	448.1	463.1	465.3	478.5	485.1
17.5°	404.1	408.0	410.2	418.1	429.8	446.7	466.0	483.1	485.1	500.5	508.8
20°	424.9	429.6	430.3	436.6	448.1	466.2	489.2	510.5	513.0	530.6	539.9
22.5°	468.0	474.6	468.7	471.9	482.1	500.2	525.2	552.1	555.5	575.6	583.9
25°	543.8	553.1	537.9	532.5	536.9	555.8	587.1	621.1	625.0	641.2	645.3
27.5°	692.8	680.8	657.8	635.3	622.1	632.8	668.1	710.1	715.0	730.7	725.8
30°	856.4	845.9	814.8	764.9	733.6	731.9	764.4	811.4	817.0	832.0	817.0
32.5°	1020.3	1010.3	976.5	915.1	860.8	833.9	856.4	908.5	911.5	921.0	899.0
35°	1181.5	1171.2	1137.5	1074.6	1007.8	946.7	942.3	1001.0	1002.0	1012.0	979.2
37.5°	1343.7	1335.1	1299.2	1237.5	1171.7	1087.3	1046.5	1088.6	1089.8	1099.6	1065.6
40°	1459.4	1463.1	1438.4	1390.7	1334.2	1241.9	1163.4	1181.8	1174.4	1190.8	1170.5
42.5°	1558.7	1566.1	1544.5	1520.6	1487.8	1406.6	1308.2	1305.1	1293.3	1302.1	1281.1
45°	1644.6	1650.7	1631.4	1625.7	1625.0	1568.0	1466.5	1447.4	1431.0	1429.3	1404.1
47.5°	1676.1	1687.9	1696.2	1715.0	1751.7	1727.8	1630.2	1600.6	1582.2	1568.8	1528.9
50°	1688.1	1700.6	1729.0	1783.8	1870.6	1880.9	1793.1	1759.8	1737.3	1712.8	1654.1
52.5°	1672.0	1694.2	1732.4	1824.6	1950.6	2003.7	1949.4	1920.3	1894.6	1854.7	1767.6
55°	1576.8	1599.1	1677.1	1824.1	1990.5	2089.8	2097.1	2084.2	2055.3	1992.4	1859.4
57.5°	1376.2	1409.3	1532.8	1762.0	1989.7	2163.9	2241.9	2251.2	2219.0	2128.9	1931.5
60°	1098.3	1143.1	1293.8	1624.3	1928.3	2204.0	2368.9	2415.4	2381.1	2263.5	1990.0
62.5°	766.4	818.3	960.9	1408.5	1787.9	2175.2	2461.6	2547.5	2521.5	2383.8	2012.5
65°	467.5	484.1	599.1	1108.4	1549.2	2054.3	2490.2	2618.9	2610.3	2457.5	1979.2
67.5°	311.4	325.3	358.4	760.0	1202.6	1812.9	2421.7	2606.4	2608.9	2445.5	1857.4
70°	187.6	199.6	221.1	442.0	779.4	1434.9	2209.7	2447.4	2461.6	2285.2	1626.5
72.5°	77.3	85.4	104.9	200.3	403.6	910.7	1759.6	2101.3	2134.3	1921.5	1248.3
75°	43.8	47.9	61.6	100.5	175.1	424.4	1065.8	1491.7	1540.4	1324.4	751.0
77.5°	29.1	31.1	39.9	65.1	98.6	144.8	455.5	777.2	870.1	723.3	325.1
80°	19.6	21.3	27.4	43.5	64.1	62.1	145.1	287.9	354.2	248.5	79.3
82.5°	13.2	13.5	19.6	28.6	40.6	30.1	42.8	89.5	112.5	71.9	30.1
85°	7.6	7.3	14.4	16.6	18.1	12.5	13.0	26.9	35.2	30.3	17.1
87.5°	1.0	1.5	5.6	4.4	2.4	2.7	2.7	4.6	6.8	7.3	3.7
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°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
2.5°	424.9	424.7	423.9	423.2	421.5	420.5	421.0	420.5	420.3	420.5	421.5
5°	428.1	427.4	425.4	422.9	419.5	415.4	412.7	408.8	405.1	402.9	403.4
7.5°	436.6	435.9	433.2	426.4	415.4	398.0	382.1	368.2	357.6	351.5	351.8
10°	450.3	449.1	445.0	429.8	400.9	363.0	331.5	305.3	288.2	280.1	279.4
12.5°	466.5	465.0	457.7	426.6	373.5	314.3	270.8	241.7	225.8	218.7	218.0
15°	485.6	483.6	469.2	411.5	333.7	260.5	220.6	198.9	188.6	182.2	182.5
17.5°	509.3	505.9	477.7	388.7	290.4	219.4	189.8	173.4	164.4	158.3	157.8
20°	540.1	534.5	484.6	361.5	250.5	193.5	169.0	155.3	148.5	143.1	142.1
22.5°	583.2	575.1	492.9	332.2	222.4	175.6	153.6	143.6	138.0	131.9	130.9
25°	636.5	627.0	503.2	305.0	203.0	160.2	142.4	134.1	127.4	120.4	119.6
27.5°	711.1	694.0	515.4	282.8	186.4	147.0	132.1	122.8	115.2	109.3	108.1
30°	794.3	766.2	526.2	269.3	171.2	134.8	118.6	109.3	102.3	98.1	97.4
32.5°	873.1	834.9	533.3	263.5	157.5	120.8	104.0	93.9	88.6	87.3	88.1
35°	947.4	897.0	532.5	257.8	145.3	106.9	89.5	79.3	75.1	75.8	75.8
37.5°	1033.0	963.3	527.4	249.0	135.3	94.2	77.1	68.0	64.3	64.6	65.6
40°	1132.6	1039.9	524.2	232.4	124.3	82.4	66.8	59.4	56.8	55.8	55.5
42.5°	1238.8	1114.0	524.7	213.6	110.6	71.9	59.7	53.6	51.1	50.4	50.1
45°	1345.4	1184.7	525.4	194.0	96.1	63.8	54.6	49.4	47.9	47.0	47.0
47.5°	1445.7	1244.9	511.7	172.9	81.9	57.7	50.4	47.0	45.7	44.5	44.5
50°	1539.2	1285.0	478.7	148.5	70.7	52.8	47.2	44.8	43.5	42.3	42.3
52.5°	1611.8	1291.4	424.2	123.3	62.9	49.2	45.3	43.1	41.6	40.4	40.1
55°	1644.1	1251.5	346.6	99.8	56.8	46.0	43.3	41.1	39.4	38.2	37.9
57.5°	1635.8	1167.6	270.3	80.2	50.9	42.8	40.9	39.4	37.4	35.5	35.2
60°	1594.9	1055.3	203.8	66.8	45.5	39.4	38.2	36.9	34.2	31.3	30.8
62.5°	1524.2	914.1	145.3	55.3	39.6	35.5	35.0	34.0	30.1	24.7	24.2
65°	1416.1	742.7	97.8	46.0	34.0	31.1	31.3	29.6	24.5	18.3	17.9
67.5°	1258.1	543.1	62.6	37.7	28.4	25.9	26.2	25.2	20.8	15.7	14.9
70°	1056.8	359.6	40.9	28.6	22.7	20.1	21.5	21.8	17.6	12.7	12.2
72.5°	774.7	212.3	28.6	21.3	16.6	13.9	17.6	18.1	14.2	9.5	9.1
75°	441.5	100.8	21.5	15.4	10.3	9.8	13.7	13.7	9.8	6.4	5.9
77.5°	185.4	42.1	15.2	10.0	5.9	5.6	9.3	8.6	4.9	2.9	2.9
80°	53.6	18.8	8.1	4.9	2.4	2.2	3.7	2.7	1.2	0.5	0.5
82.5°	21.0	8.3	3.2	2.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0
85°	12.5	3.4	1.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	0.7	0.5	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)