

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: P948417

Luminaire Tested: **GALN-SB3C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948417
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-SB3C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15454 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 149.1
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

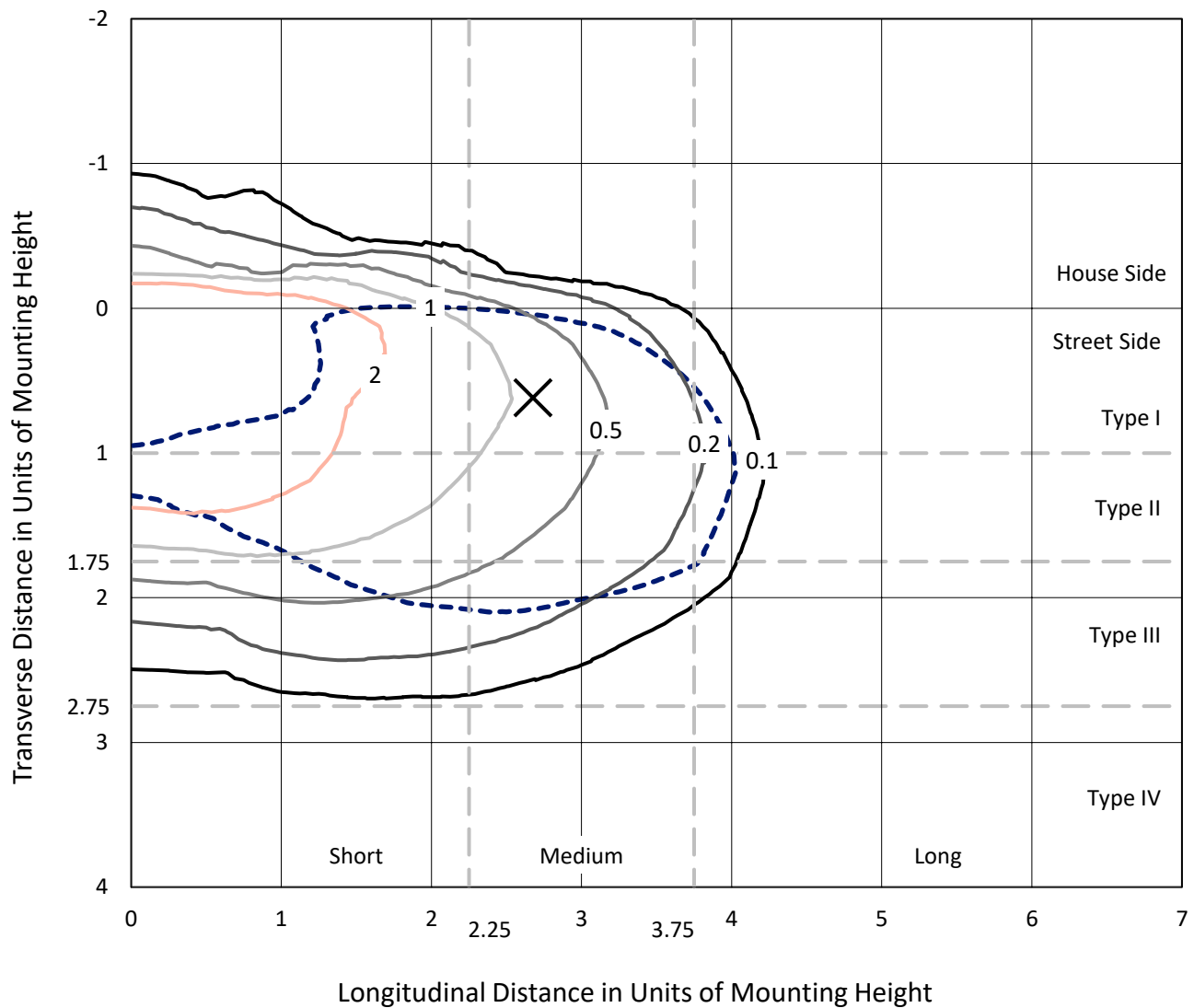


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Iso-Footcandle Lines of Horizontal Illumination

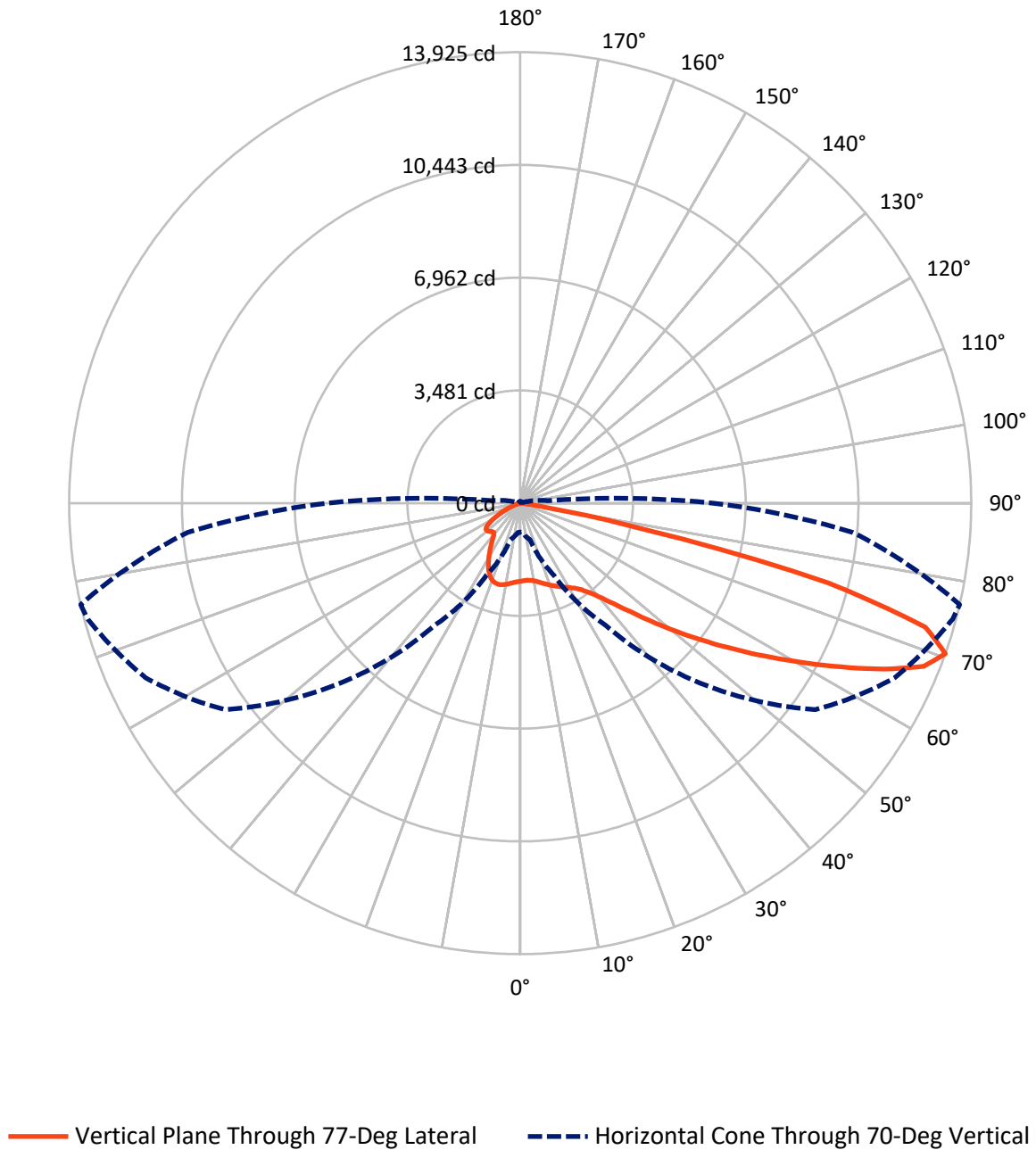
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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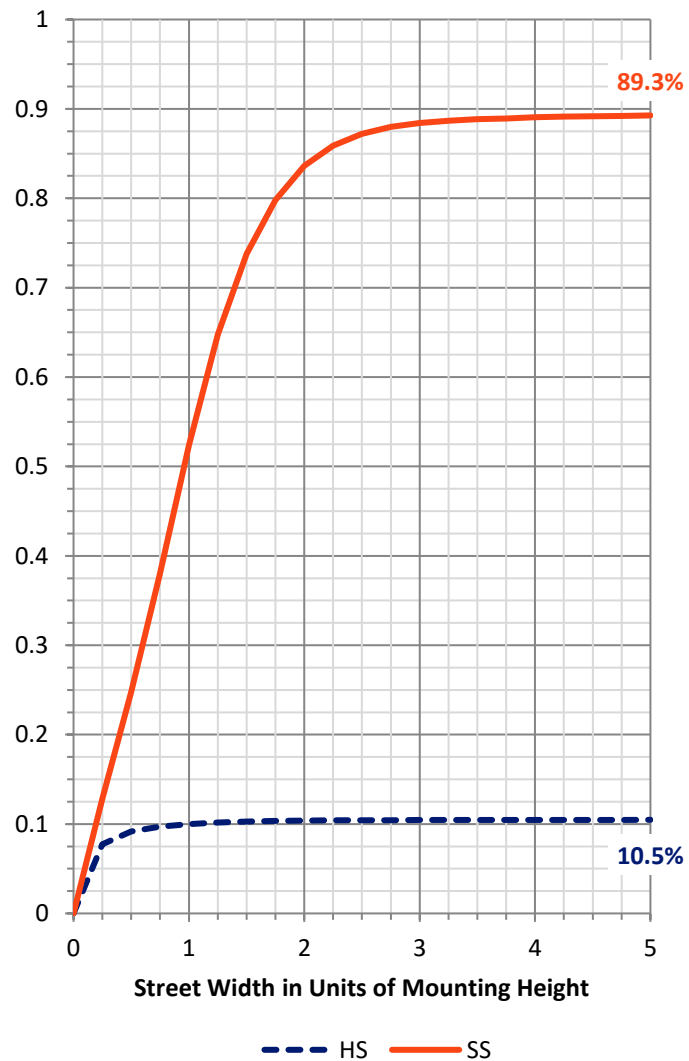
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1629.1	0.0	1629.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	13824.9	0.0	13824.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	15454.0	0.0	15454.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	1.3
10°-20°	493.2	3.2
20°-30°	762.8	4.9
30°-40°	1384.2	9.0
40°-50°	2612.8	16.9
50°-60°	3775.2	24.4
60°-70°	4018.6	26.0
70°-80°	2129.6	13.8
80°-90°	69.9	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°	15454.0	100.0
0°-180°	15454.0	100.0

Coefficient of Utilization



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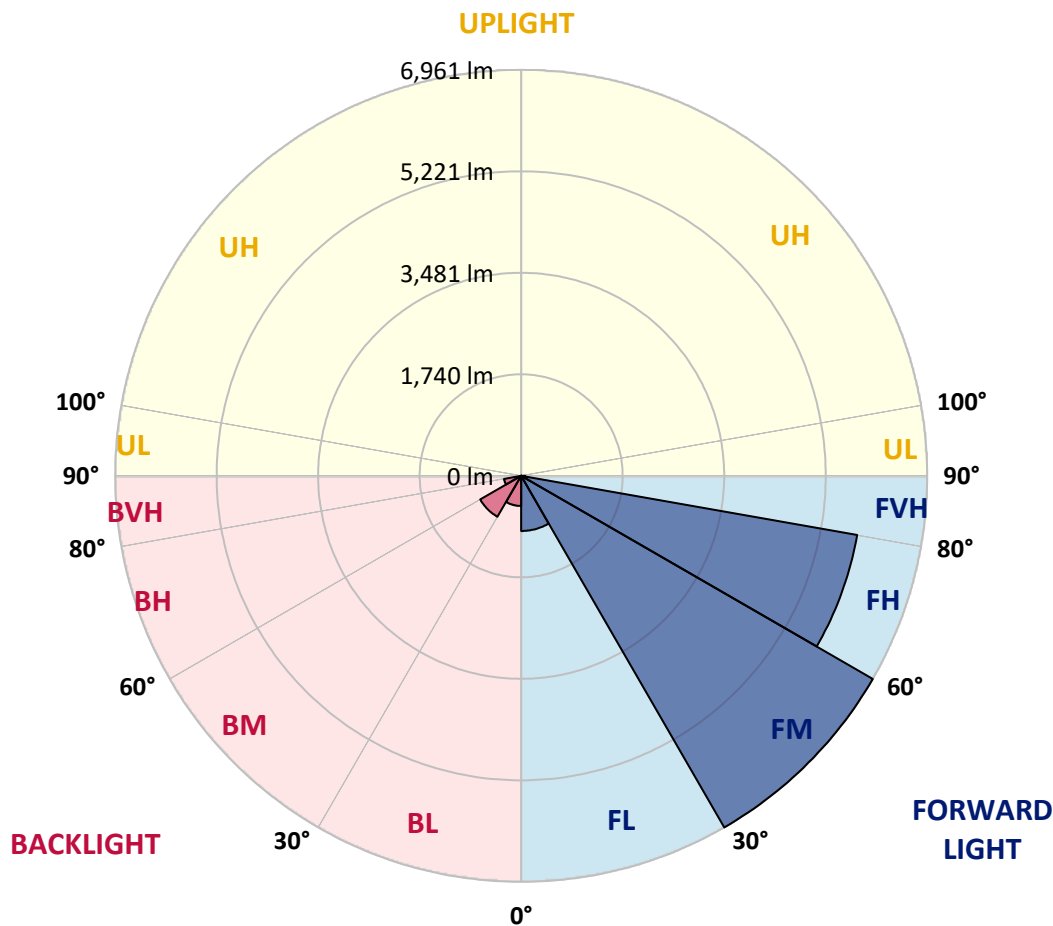
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	946.1	6.1			
FM	(30°-60°)	6961.2	45.0			
FH	(60°-80°)	5849.6	37.9			G3/7500
FVH	(80°-90°)	68.0	0.4			G1/100
BL	(0°-30°)	517.6	3.3	B2/1000		
BM	(30°-60°)	811.0	5.2	B1/1000		
BH	(60°-80°)	298.7	1.9	B1/500		G1/500
BVH	(80°-90°)	1.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5
2.5°	2263.2	2283.7	2280.7	2294.4	2299.3	2318.8	2338.3	2364.7	2394.0	2393.0	2412.5
5°	2135.3	2155.8	2160.7	2179.2	2202.7	2232.9	2272.9	2325.6	2380.3	2389.1	2428.1
7.5°	1984.1	2005.5	2018.2	2055.3	2098.2	2160.7	2226.1	2303.2	2394.0	2406.6	2481.8
10°	1832.8	1852.3	1868.9	1921.6	1989.9	2082.6	2189.0	2300.3	2422.3	2440.8	2547.2
12.5°	1739.1	1757.6	1776.2	1822.1	1907.0	2020.2	2164.6	2313.9	2469.1	2495.5	2636.0
15°	1705.9	1722.5	1737.2	1778.1	1857.2	1986.0	2159.7	2342.2	2528.6	2563.8	2743.3
17.5°	1710.8	1719.6	1729.3	1760.6	1837.7	1970.4	2168.5	2391.0	2598.9	2630.1	2850.7
20°	1739.1	1744.0	1745.0	1766.4	1834.7	1968.4	2186.1	2437.9	2665.3	2707.2	2957.1
22.5°	1775.2	1777.2	1775.2	1789.9	1853.3	1983.1	2209.5	2494.5	2739.4	2778.5	3064.4
25°	1944.1	1907.0	1860.1	1831.8	1884.5	2011.4	2244.6	2570.6	2820.4	2858.5	3168.8
27.5°	2468.1	2361.7	2193.9	2005.5	1948.9	2052.4	2293.4	2647.7	2902.4	2936.6	3281.1
30°	3319.1	3179.6	2894.6	2470.1	2155.8	2138.3	2356.9	2724.8	2989.3	3026.4	3401.1
32.5°	4172.1	4137.9	3809.1	3221.5	2621.3	2329.5	2462.3	2829.2	3104.4	3133.7	3563.1
35°	5034.8	4965.5	4696.2	4115.5	3338.7	2718.9	2637.9	2965.8	3255.7	3288.9	3799.3
37.5°	5695.5	5653.6	5486.7	5008.5	4189.7	3320.1	2938.5	3177.6	3475.3	3512.4	4101.8
40°	6279.1	6259.6	6203.0	5887.8	5141.2	4106.7	3406.0	3505.5	3779.8	3823.7	4472.7
42.5°	6737.8	6783.7	6815.9	6728.1	6122.0	5004.6	4034.5	3966.2	4204.3	4249.2	4945.0
45°	7207.2	7222.9	7352.6	7479.5	7096.0	5943.4	4743.0	4505.9	4732.3	4787.9	5511.1
47.5°	7508.8	7571.3	7799.6	8023.1	7914.8	6874.4	5504.2	5143.1	5344.2	5448.6	6145.4
50°	7531.2	7649.3	7963.6	8353.0	8511.1	7760.6	6331.8	5869.2	6083.0	6198.1	6822.7
52.5°	7157.5	7340.9	7827.9	8397.9	8833.1	8511.1	7187.7	6595.3	6869.6	7019.9	7525.4
55°	5487.6	5727.7	7317.5	8153.9	8845.8	9080.0	8021.2	7351.7	7745.9	7915.8	8284.7
57.5°	4781.1	4902.1	5753.1	7730.3	8610.6	9309.4	8774.6	8071.9	8699.4	8910.2	9002.0
60°	3977.9	4137.0	4825.0	7037.4	8291.5	9331.8	9440.2	9001.0	9732.9	9970.1	9659.7
62.5°	2703.3	2876.1	3560.2	5846.8	7855.3	9321.1	9985.7	9957.4	10881.6	11136.3	10217.0
65°	1674.7	1783.0	2233.9	4774.2	7245.3	9332.8	10556.6	11118.8	12093.7	12352.3	10648.4
67.5°	1323.4	1373.1	1608.3	3665.6	6194.2	9069.3	11126.6	12210.8	13234.6	13439.5	10780.1
70°	889.1	919.3	1170.1	2457.4	4608.3	7853.3	11115.8	12759.3	13822.1	13924.6	10300.0
72.5°	468.4	491.9	684.1	1137.9	2783.3	5582.3	9369.9	12103.5	13237.5	13083.3	8803.9
75°	234.2	273.3	460.6	577.8	1188.7	3113.2	5818.5	9542.6	10419.0	9821.8	5648.7
77.5°	177.6	214.7	380.6	380.6	413.8	1048.1	2464.2	5204.6	4800.6	3997.4	1658.1
80°	113.2	146.4	332.8	287.9	172.7	266.4	642.2	1458.0	1019.8	775.9	301.6
82.5°	66.4	95.6	277.2	190.3	96.6	98.6	181.5	310.3	264.5	205.9	92.7
85°	26.4	62.5	190.3	75.1	38.1	24.4	54.7	66.4	54.7	41.0	23.4
87.5°	0.0	14.6	33.2	0.0	2.9	2.0	3.9	4.9	4.9	3.9	7.8
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°	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5	2410.5
2.5°	2421.3	2423.2	2429.1	2430.1	2416.4	2398.8	2392.0	2389.1	2377.4	2376.4	2378.3
5°	2450.6	2459.3	2450.6	2425.2	2364.7	2279.8	2215.4	2162.7	2114.8	2100.2	2091.4
7.5°	2509.1	2517.9	2491.5	2392.0	2239.8	2070.9	1918.7	1811.3	1714.7	1678.6	1664.0
10°	2593.0	2604.8	2521.8	2320.8	2051.4	1780.1	1522.4	1340.9	1199.4	1141.8	1117.4
12.5°	2698.4	2703.3	2538.4	2212.4	1806.4	1419.0	1054.0	859.8	733.9	687.1	672.4
15°	2814.6	2807.7	2540.3	2065.1	1472.7	1003.3	688.0	565.1	514.3	498.7	498.7
17.5°	2936.6	2908.3	2501.3	1852.3	1106.7	686.1	510.4	481.1	472.3	468.4	467.5
20°	3056.6	2993.2	2430.1	1574.2	794.4	512.4	463.6	454.8	449.9	448.0	446.0
22.5°	3165.9	3057.6	2308.1	1251.1	576.8	452.8	438.2	430.4	421.6	417.7	416.7
25°	3272.3	3094.7	2136.3	949.6	461.6	423.6	411.8	397.2	385.5	380.6	378.7
27.5°	3375.7	3118.1	1921.6	702.7	411.8	396.2	374.8	354.3	345.5	343.5	341.6
30°	3486.0	3125.9	1677.6	524.1	381.6	362.1	330.8	307.4	302.5	303.5	303.5
32.5°	3620.7	3137.6	1431.7	429.4	356.2	321.1	284.0	259.6	255.7	259.6	258.6
35°	3781.7	3161.0	1194.5	395.3	333.8	279.1	239.1	218.6	214.7	217.6	216.7
37.5°	4000.3	3199.1	973.0	388.4	315.2	244.0	201.0	184.5	184.5	185.4	184.5
40°	4291.2	3300.6	774.9	383.5	305.5	217.6	169.8	163.0	165.9	167.9	167.9
42.5°	4645.4	3516.3	641.2	377.7	294.7	205.9	154.2	151.3	156.1	158.1	158.1
45°	5042.6	3789.5	594.3	367.9	285.0	213.7	147.4	143.5	149.3	150.3	151.3
47.5°	5453.5	4056.9	588.5	357.2	275.2	225.4	145.4	136.6	143.5	144.4	145.4
50°	5869.2	4231.6	594.3	340.6	259.6	225.4	146.4	129.8	135.7	138.6	139.6
52.5°	6287.9	4311.7	590.4	304.5	232.3	211.8	146.4	123.9	129.8	131.8	131.8
55°	6693.9	4296.0	530.9	250.8	197.1	187.4	142.5	119.1	123.0	123.9	123.9
57.5°	7015.0	4078.4	420.6	195.2	160.1	156.1	129.8	113.2	116.1	115.2	115.2
60°	7182.8	3600.2	300.6	150.3	125.9	123.0	114.2	105.4	107.4	102.5	101.5
62.5°	7184.8	2967.8	201.0	119.1	100.5	97.6	97.6	94.7	92.7	83.0	80.0
65°	7031.6	2266.1	133.7	94.7	81.0	76.1	82.0	81.0	74.2	60.5	58.6
67.5°	6684.1	1485.4	101.5	74.2	62.5	59.5	65.4	68.3	63.4	50.7	49.8
70°	5969.8	864.7	83.9	57.6	46.8	43.9	52.7	58.6	52.7	41.0	39.0
72.5°	4958.7	466.5	68.3	42.9	32.2	29.3	42.0	47.8	42.0	30.3	29.3
75°	3217.6	249.8	52.7	28.3	16.6	18.5	31.2	35.1	29.3	19.5	17.6
77.5°	1080.4	110.3	33.2	13.7	7.8	7.8	18.5	21.5	13.7	6.8	5.9
80°	241.1	45.9	13.7	5.9	2.9	2.9	3.9	3.9	2.0	0.0	0.0
82.5°	79.1	18.5	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.3	6.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.7	1.0	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)