

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: P950916

Luminaire Tested: **GALN-SB5B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950916
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-SB5B-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA 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: 19563 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

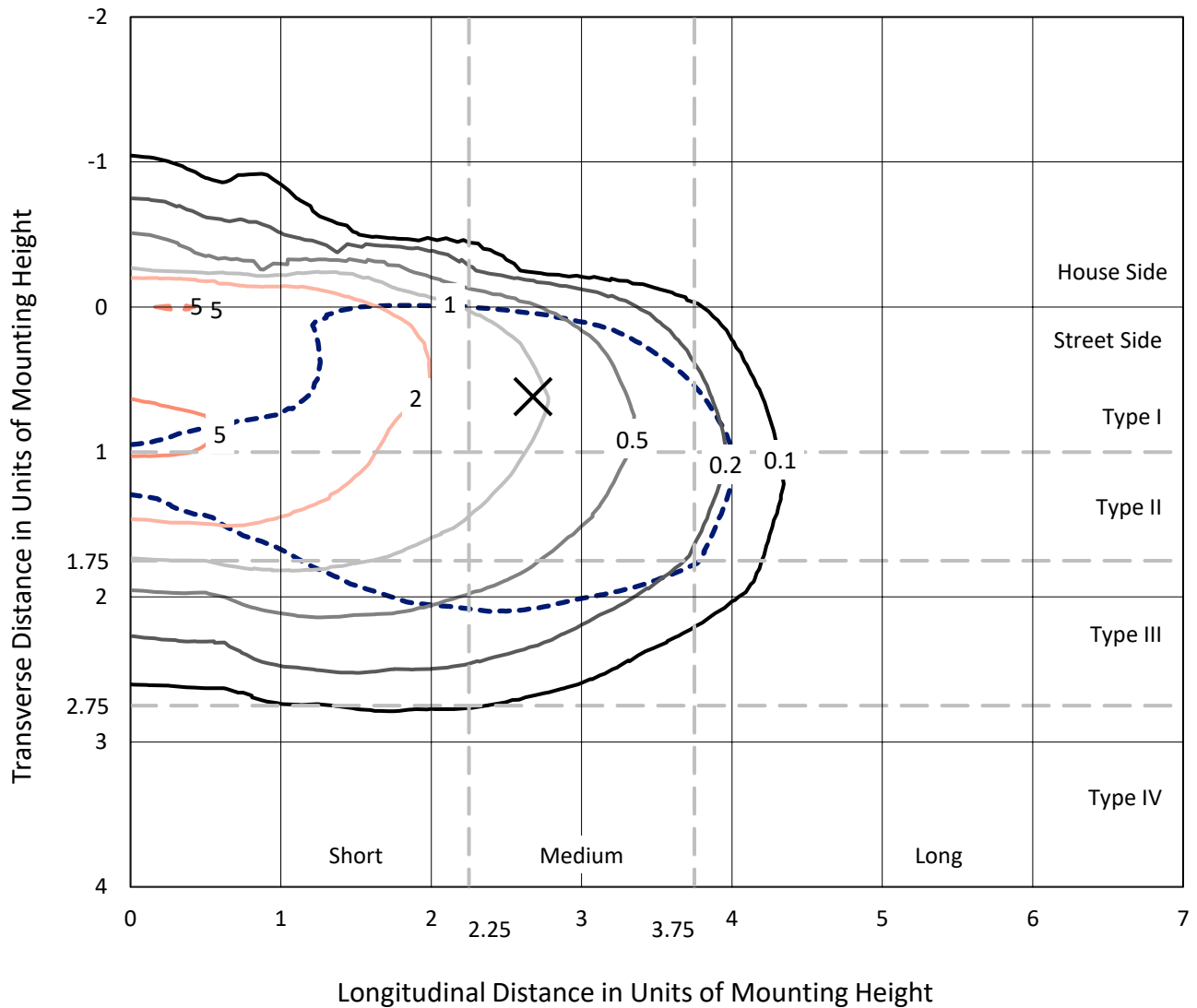
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

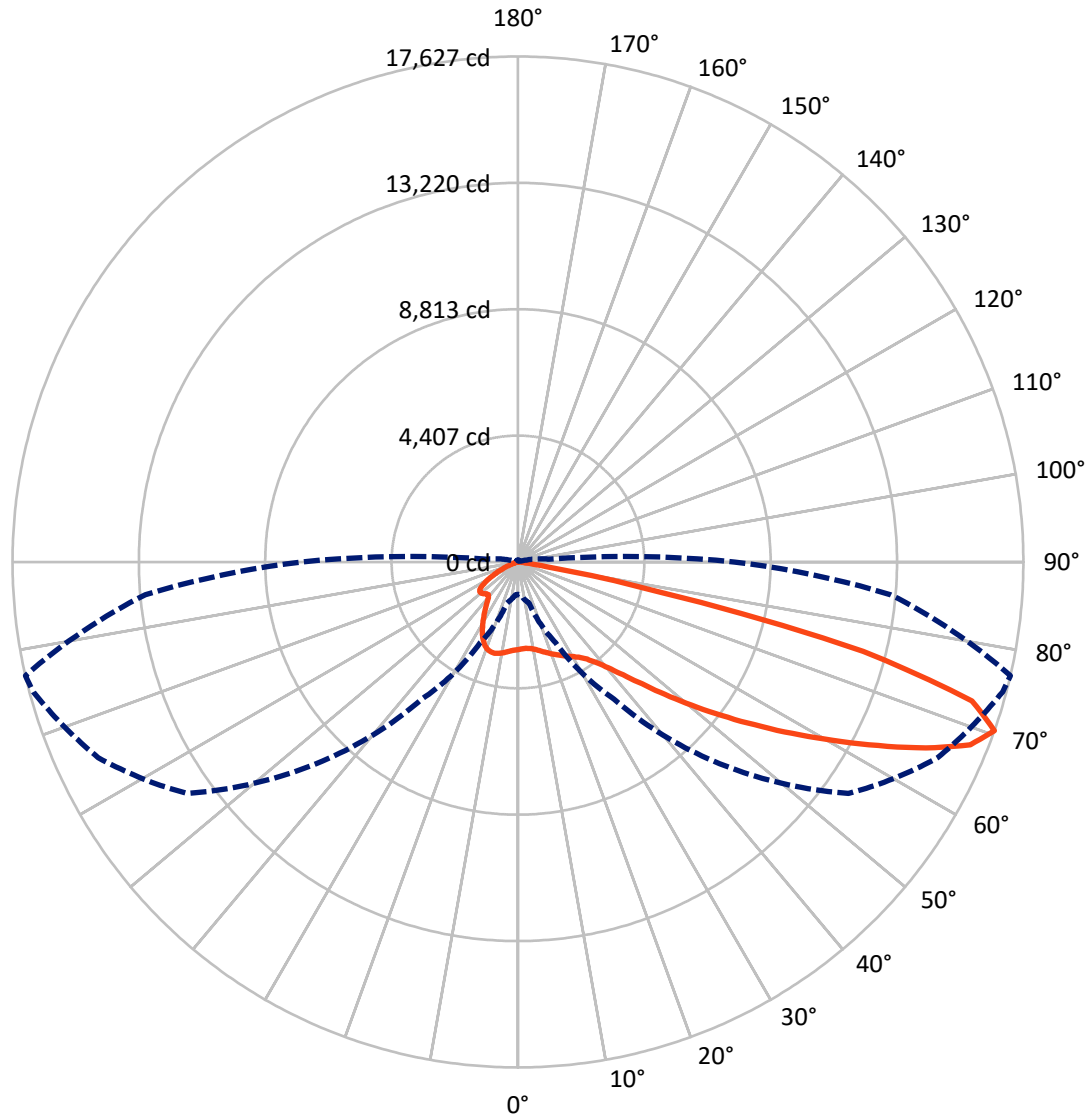
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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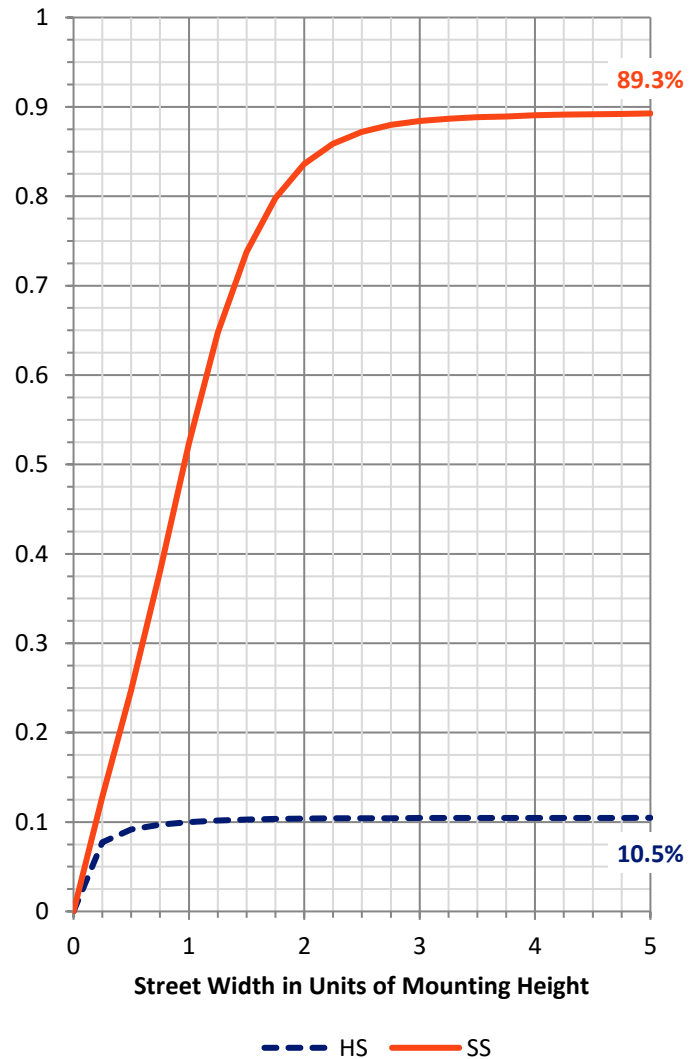
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2062.2	0.0	2062.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	17500.8	0.0	17500.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	19563.0	0.0	19563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	1.3
10°-20°	624.3	3.2
20°-30°	965.6	4.9
30°-40°	1752.2	9.0
40°-50°	3307.5	16.9
50°-60°	4779.0	24.4
60°-70°	5087.1	26.0
70°-80°	2695.8	13.8
80°-90°	88.5	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°	19563.0	100.0
0°-180°	19563.0	100.0

Coefficient of Utilization



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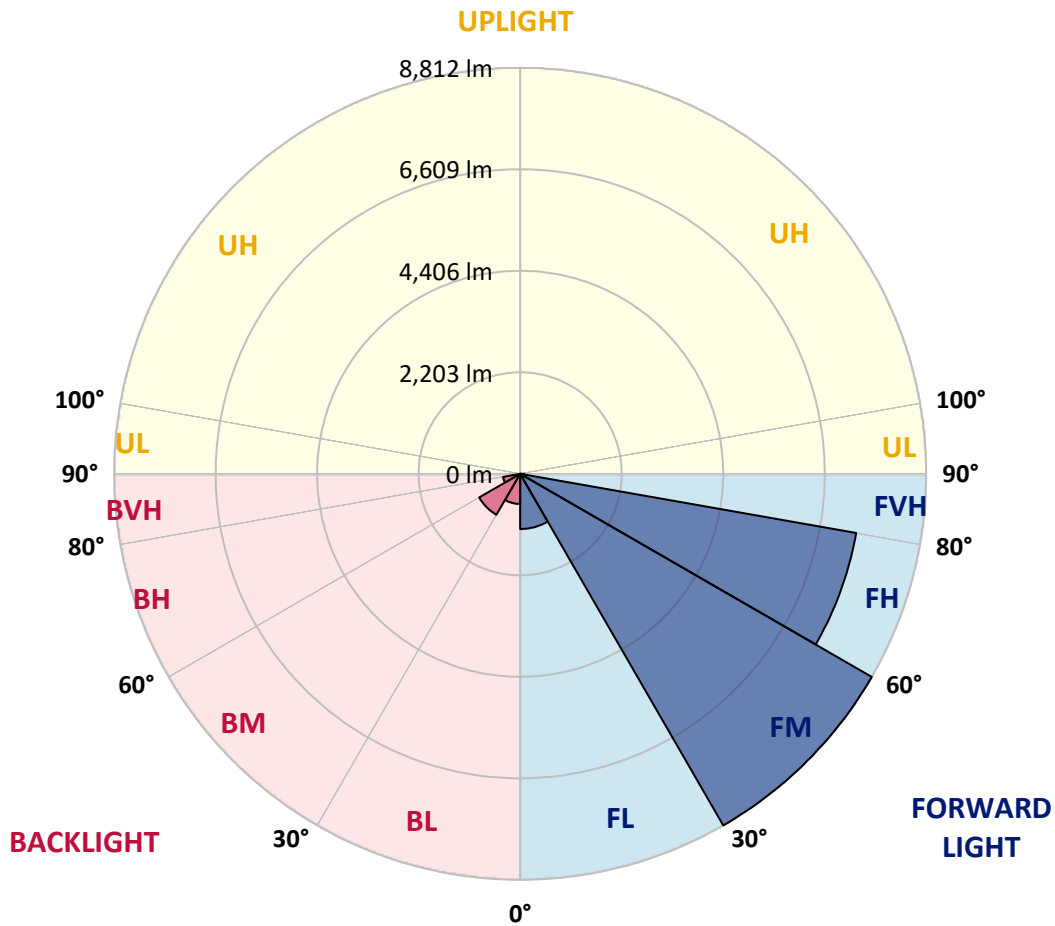
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1197.7	6.1			
FM (30°-60°)	8812.0	45.0			
FH (60°-80°)	7404.9	37.9			G3/7500
FVH (80°-90°)	86.1	0.4			G1/100
BL (0°-30°)	655.2	3.3	B2/1000		
BM (30°-60°)	1026.6	5.2	B2/2500		
BH (60°-80°)	378.1	1.9	B1/500		G1/500
BVH (80°-90°)	2.4	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°	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5
2.5°	2864.9	2890.9	2887.2	2904.5	2910.6	2935.3	2960.1	2993.4	3030.5	3029.2	3053.9
5°	2703.1	2729.0	2735.2	2758.7	2788.3	2826.6	2877.3	2944.0	3013.2	3024.3	3073.7
7.5°	2511.6	2538.8	2554.8	2601.8	2656.1	2735.2	2818.0	2915.6	3030.5	3046.5	3141.7
10°	2320.1	2344.8	2365.8	2432.5	2519.0	2636.4	2771.0	2911.9	3066.3	3089.8	3224.4
12.5°	2201.5	2225.0	2248.5	2306.5	2414.0	2557.3	2740.2	2929.2	3125.6	3159.0	3336.9
15°	2159.5	2180.5	2199.0	2250.9	2351.0	2514.1	2734.0	2965.0	3201.0	3245.4	3472.8
17.5°	2165.7	2176.8	2189.2	2228.7	2326.3	2494.3	2745.1	3026.8	3289.9	3329.4	3608.6
20°	2201.5	2207.7	2208.9	2236.1	2322.6	2491.8	2767.3	3086.1	3373.9	3427.0	3743.3
22.5°	2247.2	2249.7	2247.2	2265.8	2346.1	2510.4	2797.0	3157.7	3467.8	3517.2	3879.2
25°	2460.9	2414.0	2354.7	2318.9	2385.6	2546.2	2841.5	3254.1	3570.3	3618.5	4011.4
27.5°	3124.4	2989.7	2777.2	2538.8	2467.1	2598.1	2903.2	3351.7	3674.1	3717.4	4153.5
30°	4201.6	4025.0	3664.2	3126.8	2729.0	2706.8	2983.5	3449.3	3784.1	3831.0	4305.4
32.5°	5281.4	5238.2	4821.8	4078.1	3318.3	2948.9	3117.0	3581.5	3929.9	3966.9	4510.5
35°	6373.5	6285.8	5944.8	5209.7	4226.4	3441.9	3339.3	3754.4	4121.3	4163.3	4809.5
37.5°	7209.9	7156.8	6945.5	6340.1	5303.6	4202.9	3719.8	4022.5	4399.3	4446.3	5192.4
40°	7948.7	7924.0	7852.3	7453.3	6508.2	5198.6	4311.6	4437.6	4784.8	4840.4	5661.9
42.5°	8529.3	8587.4	8628.1	8516.9	7749.8	6335.2	5107.2	5020.7	5322.2	5379.0	6259.8
45°	9123.5	9143.3	9307.6	9468.2	8982.7	7523.7	6004.1	5703.9	5990.5	6060.9	6976.4
47.5°	9505.3	9584.3	9873.4	10156.3	10019.2	8702.3	6967.7	6510.6	6765.1	6897.3	7779.4
50°	9533.7	9683.2	10081.0	10573.9	10774.1	9824.0	8015.4	7429.8	7700.3	7846.1	8636.8
52.5°	9060.5	9292.8	9909.3	10630.7	11181.7	10774.1	9098.8	8348.9	8696.1	8886.3	9526.3
55°	6946.7	7250.6	9263.1	10321.9	11197.8	11494.3	10153.9	9306.4	9805.5	10020.4	10487.4
57.5°	6052.3	6205.5	7282.8	9785.7	10900.1	11784.6	11107.6	10218.1	11012.5	11279.3	11395.5
60°	5035.6	5236.9	6107.9	8908.6	10496.1	11813.0	11950.2	11394.2	12320.8	12621.0	12228.1
62.5°	3422.1	3640.8	4506.8	7401.4	9943.9	11799.4	12640.8	12604.9	13774.9	14097.3	12933.6
65°	2120.0	2257.1	2827.9	6043.6	9171.7	11814.3	13363.5	14075.1	15309.3	15636.6	13479.6
67.5°	1675.2	1738.2	2036.0	4640.2	7841.2	11480.7	14085.0	15457.5	16753.5	17012.9	13646.4
70°	1125.5	1163.8	1481.3	3110.8	5833.6	9941.4	14071.4	16151.8	17497.2	17626.9	13038.6
72.5°	593.0	622.6	866.0	1440.5	3523.4	7066.6	11861.2	15321.6	16757.2	16562.0	11144.7
75°	296.5	345.9	583.1	731.4	1504.7	3941.0	7365.5	12079.9	13189.3	12433.2	7150.6
77.5°	224.8	271.8	481.8	481.8	523.8	1326.8	3119.4	6588.5	6077.0	5060.3	2099.0
80°	143.3	185.3	421.3	364.4	218.7	337.3	812.9	1845.7	1291.0	982.2	381.7
82.5°	84.0	121.1	350.9	240.9	122.3	124.8	229.8	392.9	334.8	260.7	117.4
85°	33.4	79.1	240.9	95.1	48.2	30.9	69.2	84.0	69.2	51.9	29.6
87.5°	0.0	18.5	42.0	0.0	3.7	2.5	4.9	6.2	6.2	4.9	9.9
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°	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5	3051.5
2.5°	3065.1	3067.5	3074.9	3076.2	3058.9	3036.6	3028.0	3024.3	3009.5	3008.2	3010.7
5°	3102.1	3113.2	3102.1	3070.0	2993.4	2885.9	2804.4	2737.7	2677.1	2658.6	2647.5
7.5°	3176.3	3187.4	3154.0	3028.0	2835.3	2621.6	2428.8	2292.9	2170.6	2124.9	2106.4
10°	3282.5	3297.3	3192.3	2937.8	2596.8	2253.4	1927.2	1697.5	1518.3	1445.4	1414.6
12.5°	3415.9	3422.1	3213.3	2800.7	2286.8	1796.3	1334.2	1088.4	929.0	869.7	851.2
15°	3562.9	3554.3	3215.8	2614.1	1864.2	1270.0	871.0	715.3	651.1	631.3	631.3
17.5°	3717.4	3681.5	3166.4	2344.8	1401.0	868.5	646.1	609.1	597.9	593.0	591.8
20°	3869.3	3789.0	3076.2	1992.7	1005.6	648.6	586.8	575.7	569.5	567.1	564.6
22.5°	4007.7	3870.6	2921.8	1583.8	730.1	573.2	554.7	544.8	533.7	528.8	527.5
25°	4142.3	3917.5	2704.3	1202.1	584.4	536.2	521.3	502.8	488.0	481.8	479.3
27.5°	4273.3	3947.2	2432.5	889.5	521.3	501.6	474.4	448.5	437.3	434.9	432.4
30°	4412.9	3957.0	2123.7	663.4	483.0	458.3	418.8	389.2	383.0	384.2	384.2
32.5°	4583.4	3971.9	1812.4	543.6	450.9	406.5	359.5	328.6	323.7	328.6	327.4
35°	4787.2	4001.5	1512.1	500.3	422.5	353.3	302.7	276.7	271.8	275.5	274.3
37.5°	5064.0	4049.7	1231.7	491.7	399.0	308.9	254.5	233.5	233.5	234.7	233.5
40°	5432.1	4178.2	980.9	485.5	386.7	275.5	215.0	206.3	210.0	212.5	212.5
42.5°	5880.6	4451.2	811.7	478.1	373.1	260.7	195.2	191.5	197.7	200.1	200.1
45°	6383.4	4797.1	752.4	465.8	360.7	270.6	186.5	181.6	189.0	190.3	191.5
47.5°	6903.5	5135.6	745.0	452.2	348.4	285.4	184.1	173.0	181.6	182.8	184.1
50°	7429.8	5356.8	752.4	431.2	328.6	285.4	185.3	164.3	171.7	175.4	176.7
52.5°	7959.8	5458.1	747.4	385.4	294.0	268.1	185.3	156.9	164.3	166.8	166.8
55°	8473.7	5438.3	672.1	317.5	249.6	237.2	180.4	150.7	155.7	156.9	156.9
57.5°	8880.2	5162.8	532.5	247.1	202.6	197.7	164.3	143.3	147.0	145.8	145.8
60°	9092.7	4557.4	380.5	190.3	159.4	155.7	144.5	133.4	135.9	129.7	128.5
62.5°	9095.1	3756.9	254.5	150.7	127.2	123.5	123.5	119.8	117.4	105.0	101.3
65°	8901.2	2868.6	169.3	119.8	102.5	96.4	103.8	102.5	93.9	76.6	74.1
67.5°	8461.4	1880.3	128.5	93.9	79.1	75.4	82.8	86.5	80.3	64.2	63.0
70°	7557.0	1094.6	106.2	72.9	59.3	55.6	66.7	74.1	66.7	51.9	49.4
72.5°	6277.1	590.5	86.5	54.4	40.8	37.1	53.1	60.5	53.1	38.3	37.1
75°	4073.2	316.3	66.7	35.8	21.0	23.5	39.5	44.5	37.1	24.7	22.2
77.5°	1367.6	139.6	42.0	17.3	9.9	9.9	23.5	27.2	17.3	8.6	7.4
80°	305.1	58.1	17.3	7.4	3.7	3.7	4.9	4.9	2.5	0.0	0.0
82.5°	100.1	23.5	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	38.3	8.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	1.2	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)