

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: P953415

Luminaire Tested: **GALN-SB7A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953415
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-SB7A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA 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: 21940 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 199.1
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



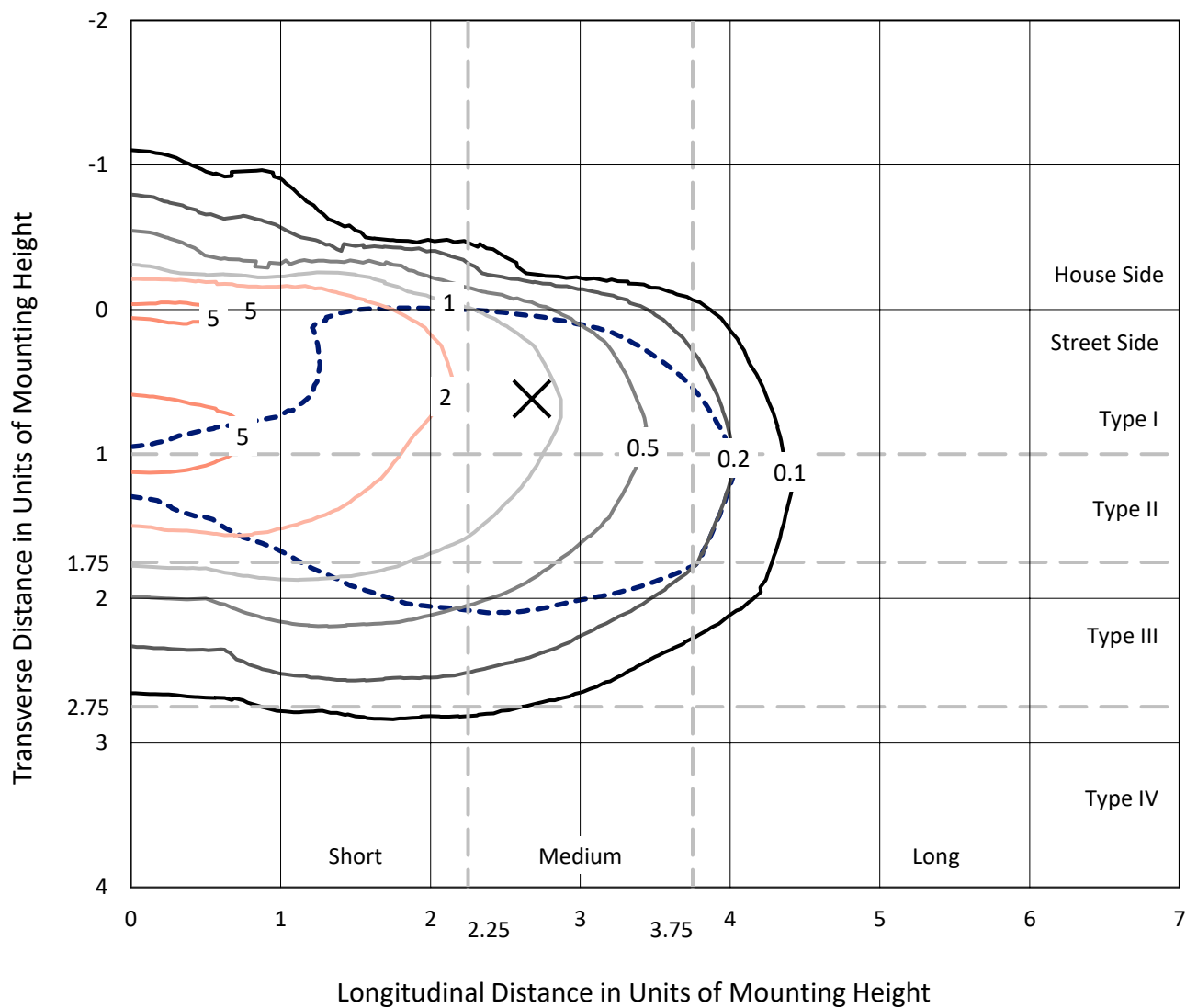
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

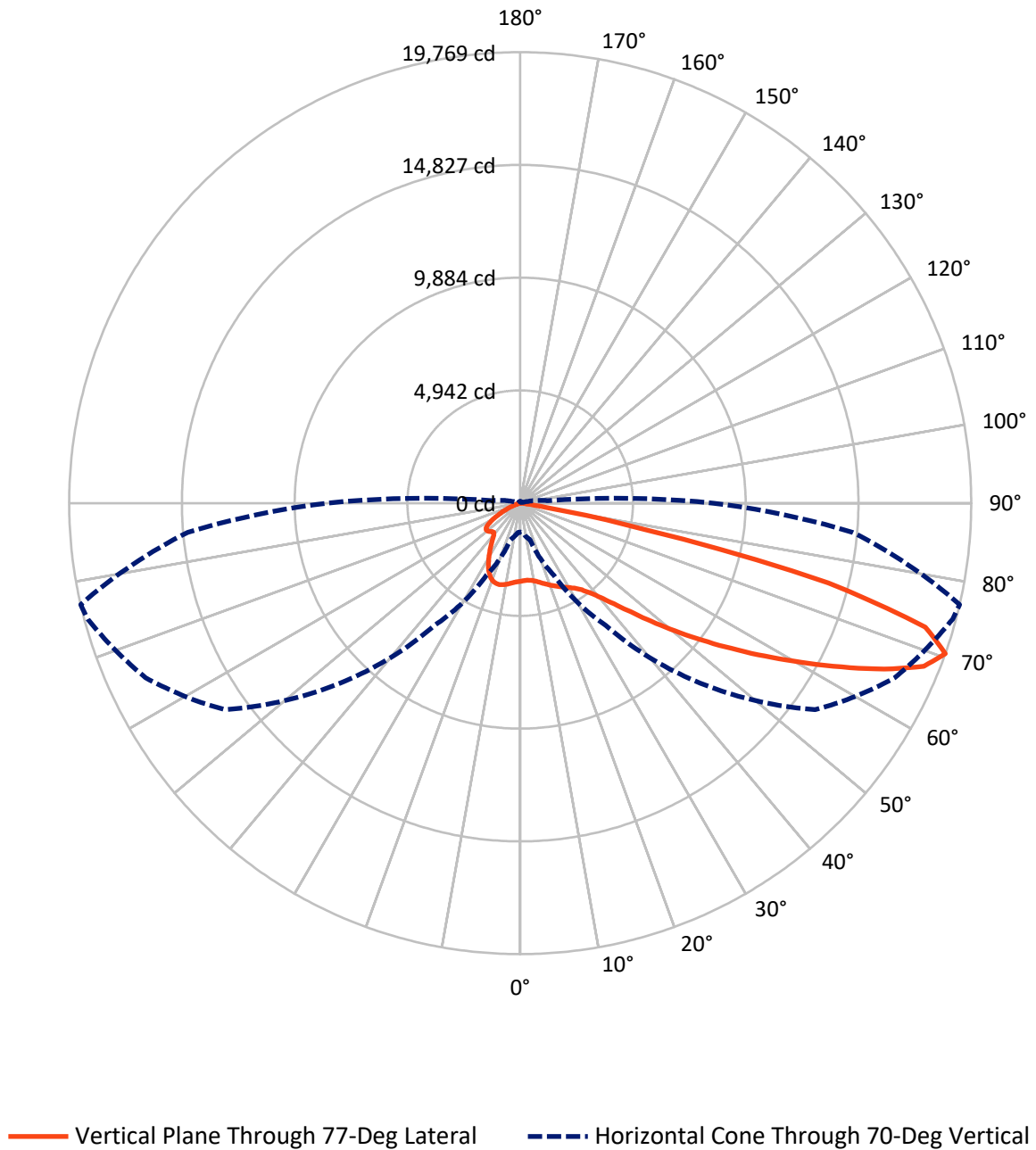
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	2312.8	0.0	2312.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19627.2	0.0	19627.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	21940.0	0.0	21940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.9	1.3
10°-20°	700.2	3.2
20°-30°	1083.0	4.9
30°-40°	1965.1	9.0
40°-50°	3709.3	16.9
50°-60°	5359.7	24.4
60°-70°	5705.2	26.0
70°-80°	3023.4	13.8
80°-90°	99.3	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°	21940.0	100.0
0°-180°	21940.0	100.0

Coefficient of Utilization



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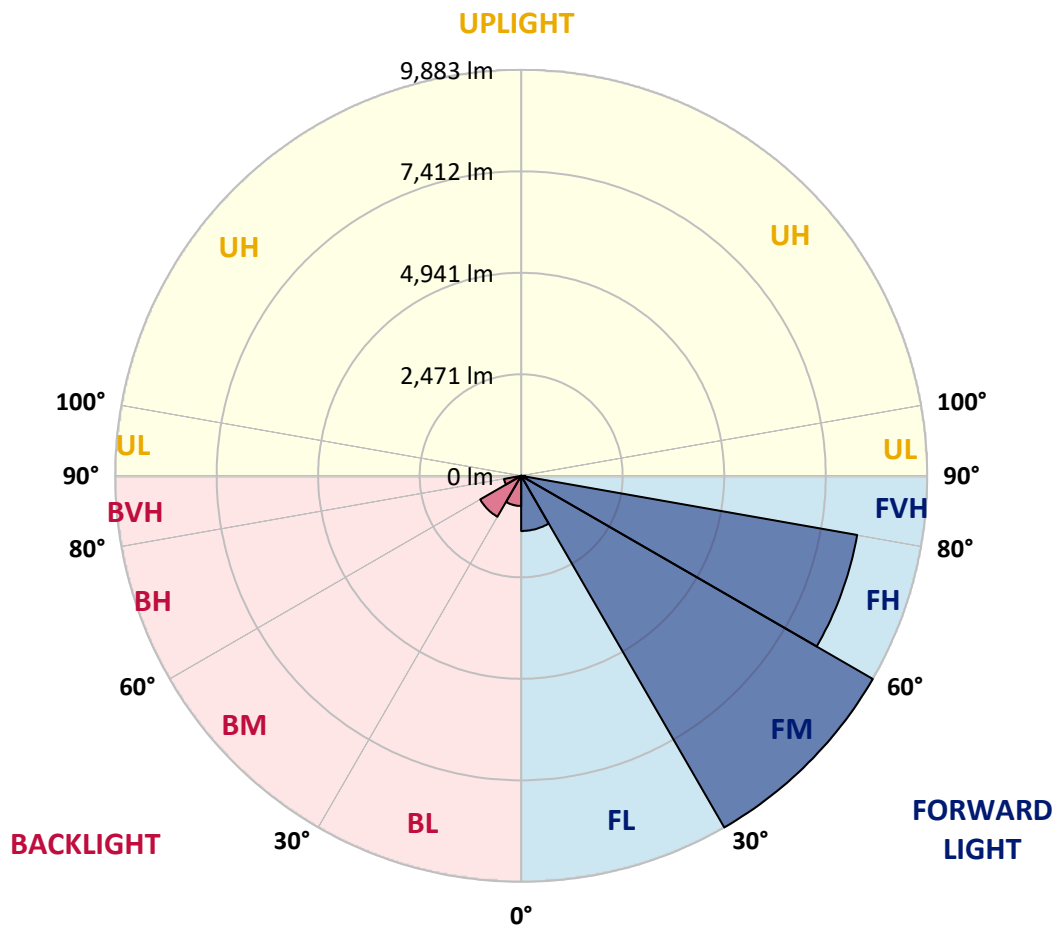
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1343.2	6.1			
FM	(30°-60°)	9882.8	45.0			
FH	(60°-80°)	8304.6	37.9			G4/12000
FVH	(80°-90°)	96.6	0.4			G1/100
BL	(0°-30°)	734.8	3.3	B2/1000		
BM	(30°-60°)	1151.3	5.2	B2/2500		
BH	(60°-80°)	424.0	1.9	B1/500		G1/500
BVH	(80°-90°)	2.7	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-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2
2.5°	3213.0	3242.1	3238.0	3257.4	3264.3	3292.0	3319.7	3357.1	3398.7	3397.3	3425.0
5°	3031.5	3060.6	3067.5	3093.9	3127.1	3170.1	3226.9	3301.7	3379.3	3391.8	3447.2
7.5°	2816.8	2847.3	2865.3	2917.9	2978.9	3067.5	3160.4	3269.8	3398.7	3416.7	3523.4
10°	2602.0	2629.7	2653.3	2728.1	2825.1	2956.7	3107.7	3265.7	3438.9	3465.2	3616.2
12.5°	2469.0	2495.3	2521.7	2586.8	2707.3	2868.0	3073.1	3285.1	3505.4	3542.8	3742.3
15°	2421.9	2445.4	2466.2	2524.4	2636.7	2819.5	3066.2	3325.3	3589.9	3639.8	3894.7
17.5°	2428.8	2441.3	2455.1	2499.5	2608.9	2797.4	3078.6	3394.5	3689.6	3734.0	4047.1
20°	2469.0	2475.9	2477.3	2507.8	2604.8	2794.6	3103.6	3461.0	3783.9	3843.4	4198.1
22.5°	2520.3	2523.0	2520.3	2541.1	2631.1	2815.4	3136.8	3541.4	3889.2	3944.6	4350.5
25°	2760.0	2707.3	2640.8	2600.6	2675.4	2855.6	3186.7	3649.5	4004.2	4058.2	4498.8
27.5°	3504.0	3353.0	3114.7	2847.3	2766.9	2913.8	3256.0	3758.9	4120.5	4169.0	4658.1
30°	4712.2	4514.0	4109.5	3506.8	3060.6	3035.7	3346.0	3868.4	4243.9	4296.5	4828.6
32.5°	5923.1	5874.6	5407.7	4573.6	3721.5	3307.2	3495.7	4016.6	4407.4	4448.9	5058.5
35°	7147.9	7049.5	6667.1	5842.8	4739.9	3860.1	3745.1	4210.6	4622.1	4669.2	5393.8
37.5°	8085.9	8026.3	7789.4	7110.5	5948.1	4713.6	4171.8	4511.3	4933.9	4986.5	5823.4
40°	8914.5	8886.7	8806.4	8358.9	7298.9	5830.3	4835.5	4976.8	5366.1	5428.5	6349.9
42.5°	9565.7	9630.8	9676.5	9551.8	8691.4	7105.0	5727.8	5630.8	5968.8	6032.6	7020.4
45°	10232.1	10254.3	10438.5	10618.7	10074.1	8437.8	6733.6	6397.0	6718.4	6797.4	7824.1
47.5°	10660.2	10748.9	11073.1	11390.4	11236.6	9759.6	7814.4	7301.7	7587.1	7735.4	8724.6
50°	10692.1	10859.7	11305.9	11858.7	12083.2	11017.7	8989.3	8332.5	8636.0	8799.5	9686.2
52.5°	10161.4	10421.9	11113.3	11922.4	12540.4	12083.2	10204.4	9363.4	9752.7	9966.1	10683.8
55°	7790.8	8131.6	10388.7	11576.1	12558.4	12890.9	11387.6	10437.2	10996.9	11238.0	11761.7
57.5°	6787.7	6959.5	8167.7	10974.7	12224.5	13216.5	12457.2	11459.7	12350.6	12649.8	12780.1
60°	5647.4	5873.2	6850.0	9991.0	11771.4	13248.4	13402.2	12778.7	13817.8	14154.5	13713.9
62.5°	3837.9	4083.1	5054.4	8300.7	11152.1	13233.1	14176.7	14136.5	15448.6	15810.2	14505.0
65°	2377.6	2531.4	3171.5	6778.0	10286.1	13249.8	14987.2	15785.3	17169.4	17536.6	15117.5
67.5°	1878.8	1949.4	2283.3	5204.0	8793.9	12875.7	15796.4	17335.7	18789.1	19080.0	15304.5
70°	1262.2	1305.2	1661.2	3488.7	6542.4	11149.3	15781.1	18114.3	19623.2	19768.7	14622.8
72.5°	665.1	698.3	971.3	1615.5	3951.5	7925.2	13302.4	17183.3	18793.2	18574.3	12498.8
75°	332.5	387.9	654.0	820.2	1687.6	4419.8	8260.5	13547.7	14791.9	13943.9	8019.4
77.5°	252.2	304.8	540.4	540.4	587.5	1488.1	3498.4	7389.0	6815.4	5675.1	2354.0
80°	160.7	207.8	472.5	408.7	245.2	378.2	911.7	2070.0	1447.9	1101.5	428.1
82.5°	94.2	135.8	393.5	270.2	137.2	139.9	257.7	440.6	375.5	292.3	131.6
85°	37.4	88.7	270.2	106.7	54.0	34.6	77.6	94.2	77.6	58.2	33.3
87.5°	0.0	20.8	47.1	0.0	4.2	2.8	5.5	6.9	6.9	5.5	11.1
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°	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2
2.5°	3437.5	3440.3	3448.6	3450.0	3430.6	3405.6	3395.9	3391.8	3375.1	3373.8	3376.5
5°	3479.1	3491.5	3479.1	3443.0	3357.1	3236.6	3145.1	3070.3	3002.4	2981.6	2969.2
7.5°	3562.2	3574.7	3537.2	3395.9	3179.8	2940.1	2723.9	2571.5	2434.4	2383.1	2362.3
10°	3681.3	3698.0	3580.2	3294.8	2912.4	2527.2	2161.4	1903.7	1702.8	1621.1	1586.4
12.5°	3831.0	3837.9	3603.7	3141.0	2564.6	2014.6	1496.4	1220.6	1041.9	975.4	954.6
15°	3995.9	3986.2	3606.5	2931.8	2090.8	1424.3	976.8	802.2	730.2	708.0	708.0
17.5°	4169.0	4128.9	3551.1	2629.7	1571.2	974.0	724.6	683.1	670.6	665.1	663.7
20°	4339.5	4249.4	3450.0	2234.8	1127.8	727.4	658.1	645.7	638.7	636.0	633.2
22.5°	4494.6	4340.8	3276.8	1776.2	818.8	642.9	622.1	611.0	598.5	593.0	591.6
25°	4645.7	4393.5	3032.9	1348.1	655.4	601.3	584.7	563.9	547.3	540.4	537.6
27.5°	4792.5	4426.7	2728.1	997.6	584.7	562.5	532.0	502.9	490.5	487.7	484.9
30°	4949.1	4437.8	2381.7	744.0	541.7	514.0	469.7	436.4	429.5	430.9	430.9
32.5°	5140.3	4454.5	2032.6	609.6	505.7	455.8	403.2	368.5	363.0	368.5	367.2
35°	5368.9	4487.7	1695.9	561.1	473.8	396.3	339.5	310.4	304.8	309.0	307.6
37.5°	5679.3	4541.7	1381.4	551.4	447.5	346.4	285.4	261.9	261.9	263.2	261.9
40°	6092.1	4685.8	1100.1	544.5	433.7	309.0	241.1	231.4	235.5	238.3	238.3
42.5°	6595.1	4992.0	910.3	536.2	418.4	292.3	218.9	214.8	221.7	224.5	224.5
45°	7159.0	5380.0	843.8	522.3	404.6	303.4	209.2	203.7	212.0	213.4	214.8
47.5°	7742.3	5759.6	835.5	507.1	390.7	320.1	206.4	194.0	203.7	205.1	206.4
50°	8332.5	6007.6	843.8	483.5	368.5	320.1	207.8	184.3	192.6	196.7	198.1
52.5°	8926.9	6121.2	838.2	432.3	329.8	300.7	207.8	176.0	184.3	187.0	187.0
55°	9503.3	6099.1	753.7	356.1	279.9	266.0	202.3	169.0	174.6	176.0	176.0
57.5°	9959.1	5790.1	597.2	277.1	227.2	221.7	184.3	160.7	164.9	163.5	163.5
60°	10197.5	5111.2	426.7	213.4	178.7	174.6	162.1	149.6	152.4	145.5	144.1
62.5°	10200.2	4213.4	285.4	169.0	142.7	138.6	138.6	134.4	131.6	117.8	113.6
65°	9982.7	3217.2	189.8	134.4	115.0	108.1	116.4	115.0	105.3	85.9	83.1
67.5°	9489.5	2108.8	144.1	105.3	88.7	84.5	92.8	97.0	90.1	72.0	70.7
70°	8475.2	1227.6	119.2	81.7	66.5	62.3	74.8	83.1	74.8	58.2	55.4
72.5°	7039.8	662.3	97.0	61.0	45.7	41.6	59.6	67.9	59.6	43.0	41.6
75°	4568.1	354.7	74.8	40.2	23.6	26.3	44.3	49.9	41.6	27.7	24.9
77.5°	1533.8	156.6	47.1	19.4	11.1	11.1	26.3	30.5	19.4	9.7	8.3
80°	342.2	65.1	19.4	8.3	4.2	4.2	5.5	5.5	2.8	0.0	0.0
82.5°	112.2	26.3	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.0	9.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.6	1.4	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)