

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: P948774

Luminaire Tested: **GALN-SB3D-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948774
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-SB3D-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA 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: 20998 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 218.1
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

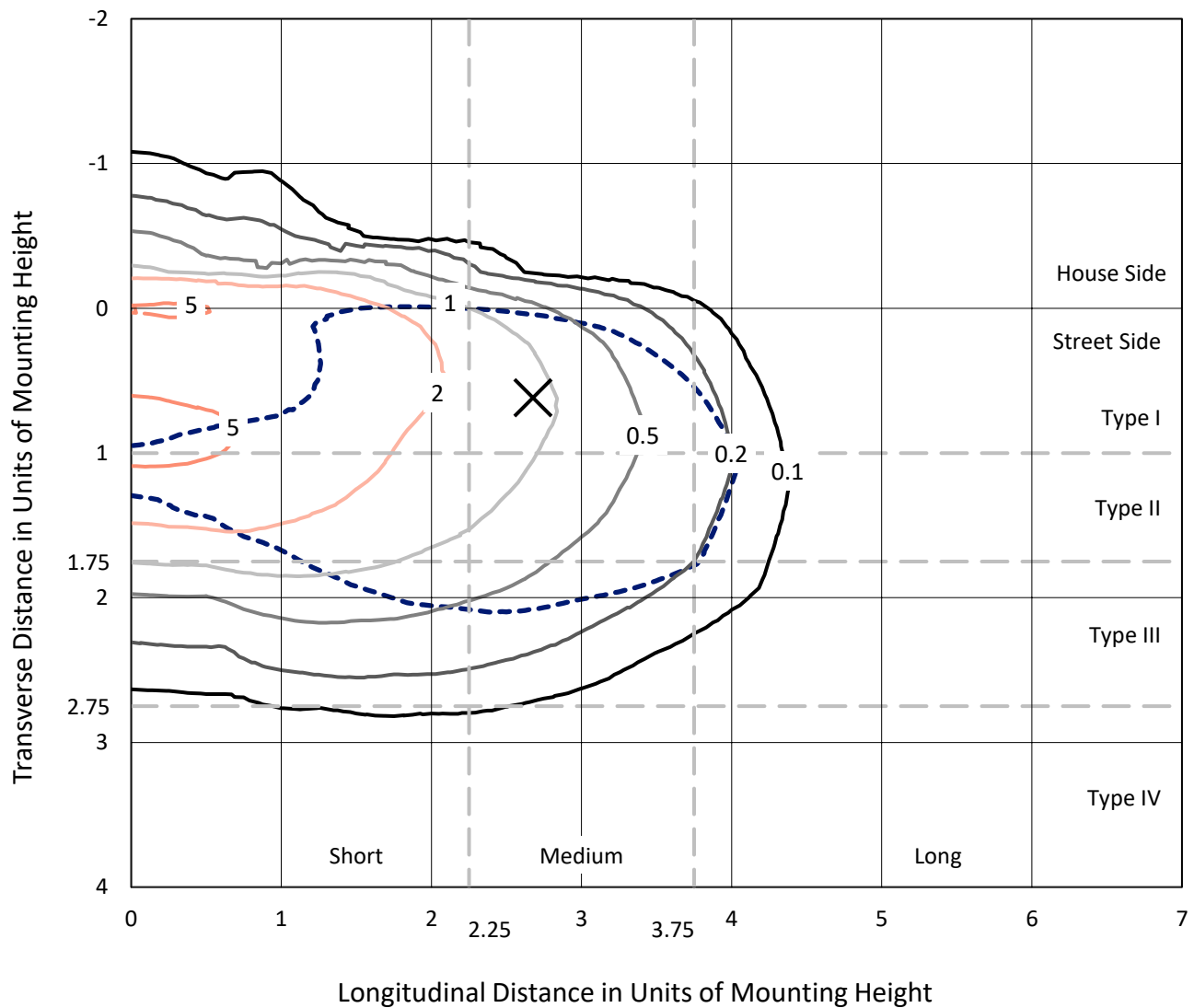


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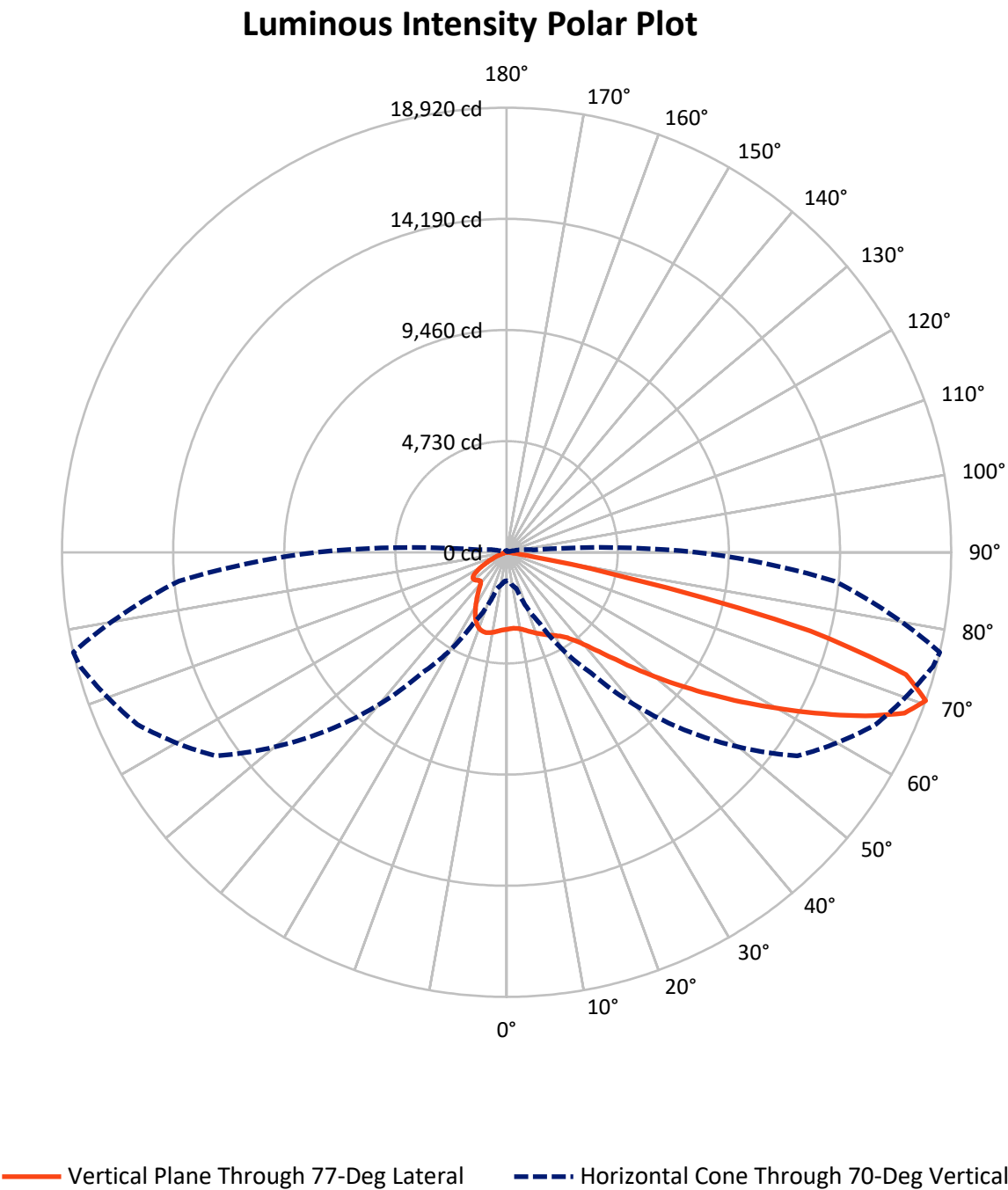
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2213.5	0.0	2213.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	18784.5	0.0	18784.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	20998.0	0.0	20998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	1.3
10°-20°	670.1	3.2
20°-30°	1036.5	4.9
30°-40°	1880.7	9.0
40°-50°	3550.1	16.9
50°-60°	5129.5	24.4
60°-70°	5460.3	26.0
70°-80°	2893.6	13.8
80°-90°	95.0	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°	20998.0	100.0
0°-180°	20998.0	100.0

Coefficient of Utilization



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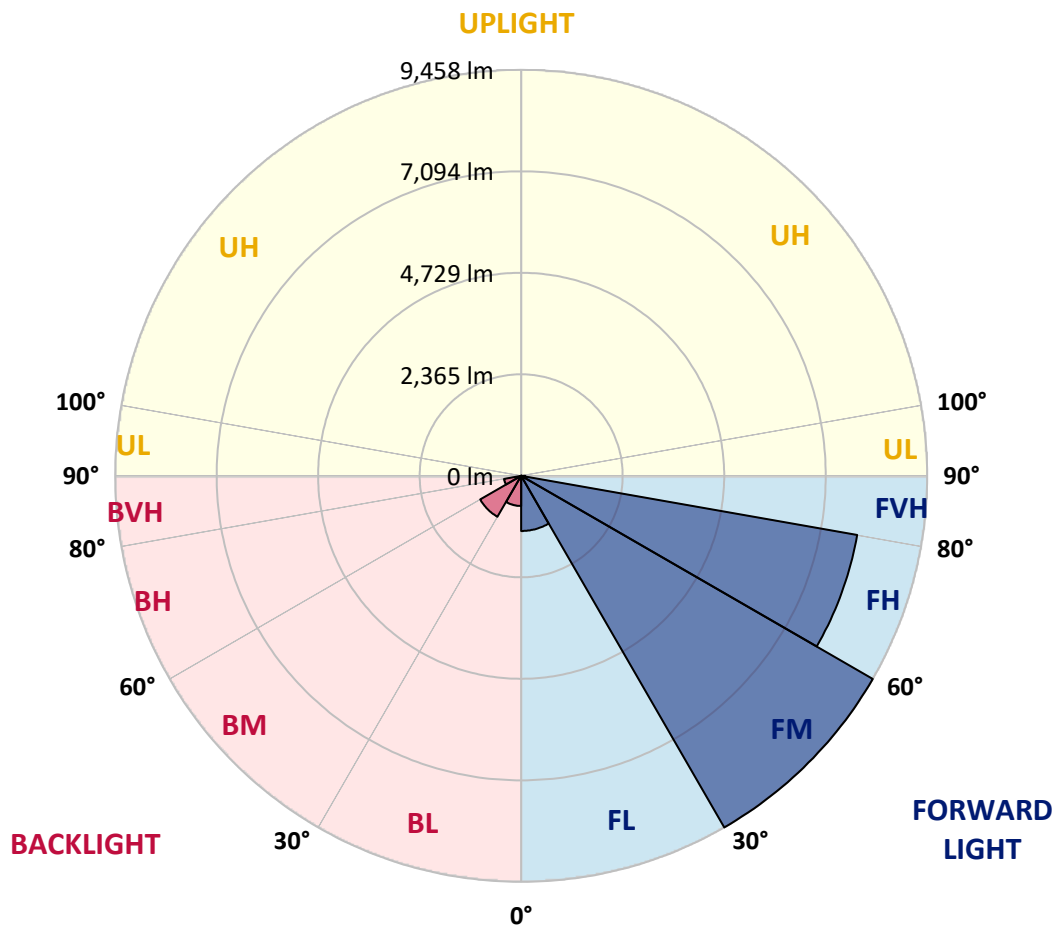
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1285.6	6.1			
FM	(30°-60°)	9458.4	45.0			
FH	(60°-80°)	7948.0	37.9			G4/12000
FVH	(80°-90°)	92.5	0.4			G1/100
BL	(0°-30°)	703.3	3.3	B2/1000		
BM	(30°-60°)	1101.9	5.2	B2/2500		
BH	(60°-80°)	405.8	1.9	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3
2.5°	3075.1	3102.9	3098.9	3117.5	3124.1	3150.7	3177.2	3213.0	3252.8	3251.4	3278.0
5°	2901.4	2929.2	2935.8	2961.0	2992.9	3034.0	3088.3	3159.9	3234.2	3246.1	3299.2
7.5°	2695.8	2725.0	2742.2	2792.6	2851.0	2935.8	3024.7	3129.4	3252.8	3270.0	3372.1
10°	2490.3	2516.8	2539.4	2611.0	2703.8	2829.8	2974.3	3125.5	3291.2	3316.4	3461.0
12.5°	2363.0	2388.2	2413.4	2475.7	2591.1	2744.9	2941.1	3144.0	3354.9	3390.7	3581.6
15°	2317.9	2340.5	2360.3	2416.0	2523.4	2698.5	2934.5	3182.5	3435.8	3483.5	3727.5
17.5°	2324.5	2336.5	2349.7	2392.2	2496.9	2677.3	2946.5	3248.8	3531.2	3573.7	3873.4
20°	2363.0	2369.6	2371.0	2400.1	2492.9	2674.6	2970.3	3312.4	3621.4	3678.4	4017.9
22.5°	2412.1	2414.7	2412.1	2431.9	2518.1	2694.5	3002.1	3389.3	3722.2	3775.2	4163.8
25°	2641.5	2591.1	2527.4	2489.0	2560.6	2733.0	3049.9	3492.8	3832.2	3884.0	4305.6
27.5°	3353.5	3209.0	2980.9	2725.0	2648.1	2788.7	3116.2	3597.5	3943.6	3990.0	4458.1
30°	4509.8	4320.2	3933.0	3356.2	2929.2	2905.3	3202.4	3702.3	4061.6	4112.0	4621.2
32.5°	5668.8	5622.4	5175.5	4377.2	3561.7	3165.2	3345.6	3844.2	4218.1	4257.9	4841.4
35°	6841.0	6746.9	6380.9	5591.9	4536.4	3694.3	3584.3	4029.8	4423.7	4468.7	5162.3
37.5°	7738.7	7681.7	7455.0	6805.2	5692.7	4511.2	3992.7	4317.6	4722.0	4772.4	5573.3
40°	8531.7	8505.2	8428.3	8000.0	6985.6	5580.0	4627.9	4763.1	5135.7	5195.4	6077.2
42.5°	9155.0	9217.3	9261.0	9141.7	8318.2	6799.9	5481.8	5389.0	5712.6	5773.6	6719.0
45°	9792.8	9814.0	9990.4	10162.7	9641.6	8075.6	6444.5	6122.3	6429.9	6505.5	7488.1
47.5°	10202.5	10287.4	10597.7	10901.3	10754.2	9340.6	7478.8	6988.2	7261.4	7403.3	8350.0
50°	10233.0	10393.5	10820.5	11349.5	11564.4	10544.6	8603.3	7974.8	8265.2	8421.7	9270.3
52.5°	9725.1	9974.4	10636.1	11410.5	12002.0	11564.4	9766.3	8961.4	9334.0	9538.2	10225.1
55°	7456.3	7782.5	9942.6	11079.0	12019.2	12337.4	10898.7	9989.0	10524.7	10755.5	11256.7
57.5°	6496.3	6660.7	7817.0	10503.5	11699.6	12649.1	11922.4	10967.6	11820.3	12106.7	12231.4
60°	5404.9	5621.1	6555.9	9562.0	11266.0	12679.6	12826.7	12230.0	13224.6	13546.8	13125.1
62.5°	3673.1	3907.8	4837.4	7944.3	10673.3	12665.0	13568.0	13529.5	14785.3	15131.4	13882.3
65°	2275.5	2422.7	3035.3	6487.0	9844.5	12680.9	14343.7	15107.5	16432.2	16783.6	14468.4
67.5°	1798.1	1865.7	2185.3	4980.6	8416.4	12322.9	15118.1	16591.4	17982.4	18260.8	14647.4
70°	1208.0	1249.1	1589.9	3339.0	6261.5	10670.6	15103.5	17336.6	18780.6	18919.9	13995.0
72.5°	636.5	668.3	929.6	1546.2	3781.9	7584.9	12731.3	16445.5	17986.4	17776.8	11962.2
75°	318.2	371.3	625.9	785.0	1615.1	4230.1	7905.8	12966.0	14156.8	13345.2	7675.1
77.5°	241.3	291.7	517.2	517.2	562.2	1424.2	3348.2	7071.7	6522.8	5431.4	2252.9
80°	153.8	198.9	452.2	391.2	234.7	362.0	872.5	1981.1	1385.7	1054.2	409.7
82.5°	90.2	130.0	376.6	258.6	131.3	133.9	246.6	421.7	359.4	279.8	126.0
85°	35.8	84.9	258.6	102.1	51.7	33.2	74.3	90.2	74.3	55.7	31.8
87.5°	0.0	19.9	45.1	0.0	4.0	2.7	5.3	6.6	6.6	5.3	10.6
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°	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3	3275.3
2.5°	3289.9	3292.5	3300.5	3301.8	3283.3	3259.4	3250.1	3246.1	3230.2	3228.9	3231.5
5°	3329.7	3341.6	3329.7	3295.2	3213.0	3097.6	3010.1	2938.5	2873.5	2853.6	2841.7
7.5°	3409.2	3421.2	3385.4	3250.1	3043.3	2813.8	2607.0	2461.1	2329.8	2280.8	2260.9
10°	3523.3	3539.2	3426.5	3153.3	2787.3	2418.7	2068.6	1822.0	1629.7	1551.5	1518.3
12.5°	3666.5	3673.1	3449.0	3006.1	2454.5	1928.1	1432.1	1168.2	997.2	933.5	913.6
15°	3824.3	3815.0	3451.7	2805.9	2001.0	1363.2	934.9	767.8	698.8	677.6	677.6
17.5°	3990.0	3951.6	3398.6	2516.8	1503.7	932.2	693.5	653.7	641.8	636.5	635.2
20°	4153.1	4067.0	3301.8	2138.9	1079.4	696.2	629.9	617.9	611.3	608.7	606.0
22.5°	4301.7	4154.5	3136.1	1700.0	783.7	615.3	595.4	584.8	572.8	567.5	566.2
25°	4446.2	4204.9	2902.7	1290.2	627.2	575.5	559.6	539.7	523.8	517.2	514.5
27.5°	4586.8	4236.7	2611.0	954.7	559.6	538.4	509.2	481.4	469.4	466.8	464.1
30°	4736.6	4247.3	2279.5	712.1	518.5	492.0	449.5	417.7	411.1	412.4	412.4
32.5°	4919.6	4263.2	1945.3	583.5	484.0	436.3	385.9	352.7	347.4	352.7	351.4
35°	5138.4	4295.0	1623.1	537.0	453.5	379.2	324.9	297.0	291.7	295.7	294.4
37.5°	5435.4	4346.7	1322.1	527.8	428.3	331.5	273.2	250.6	250.6	251.9	250.6
40°	5830.6	4484.7	1052.9	521.1	415.0	295.7	230.7	221.4	225.4	228.1	228.1
42.5°	6311.9	4777.7	871.2	513.2	400.5	279.8	209.5	205.5	212.2	214.8	214.8
45°	6851.6	5149.0	807.6	499.9	387.2	290.4	200.2	194.9	202.9	204.2	205.5
47.5°	7409.9	5512.3	799.6	485.3	373.9	306.3	197.6	185.6	194.9	196.3	197.6
50°	7974.8	5749.7	807.6	462.8	352.7	306.3	198.9	176.4	184.3	188.3	189.6
52.5°	8543.6	5858.4	802.3	413.7	315.6	287.7	198.9	168.4	176.4	179.0	179.0
55°	9095.3	5837.2	721.4	340.8	267.9	254.6	193.6	161.8	167.1	168.4	168.4
57.5°	9531.5	5541.5	571.5	265.2	217.5	212.2	176.4	153.8	157.8	156.5	156.5
60°	9759.6	4891.7	408.4	204.2	171.1	167.1	155.1	143.2	145.9	139.2	137.9
62.5°	9762.3	4032.5	273.2	161.8	136.6	132.6	132.6	128.6	126.0	112.7	108.7
65°	9554.1	3079.1	181.7	128.6	110.1	103.4	111.4	110.1	100.8	82.2	79.6
67.5°	9082.0	2018.2	137.9	100.8	84.9	80.9	88.8	92.8	86.2	69.0	67.6
70°	8111.4	1174.9	114.0	78.2	63.6	59.7	71.6	79.6	71.6	55.7	53.0
72.5°	6737.6	633.8	92.8	58.3	43.8	39.8	57.0	65.0	57.0	41.1	39.8
75°	4371.9	339.5	71.6	38.5	22.5	25.2	42.4	47.7	39.8	26.5	23.9
77.5°	1467.9	149.8	45.1	18.6	10.6	10.6	25.2	29.2	18.6	9.3	8.0
80°	327.5	62.3	18.6	8.0	4.0	4.0	5.3	5.3	2.7	0.0	0.0
82.5°	107.4	25.2	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.1	9.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	1.3	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)