

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: P950589

Luminaire Tested: **GALN-SB5A-730-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18366 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 141.7
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

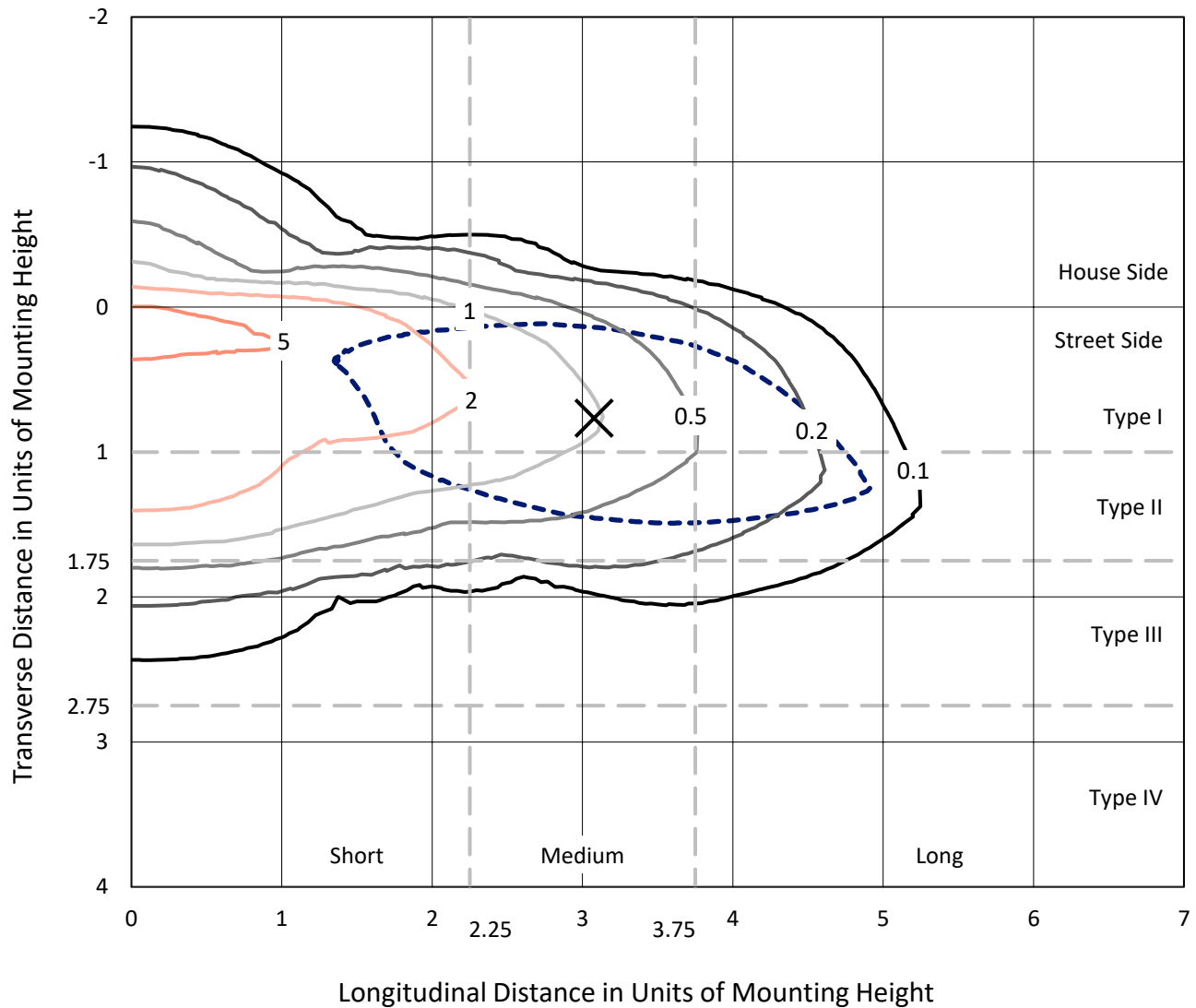


REPORT NUMBER: P950589

CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS

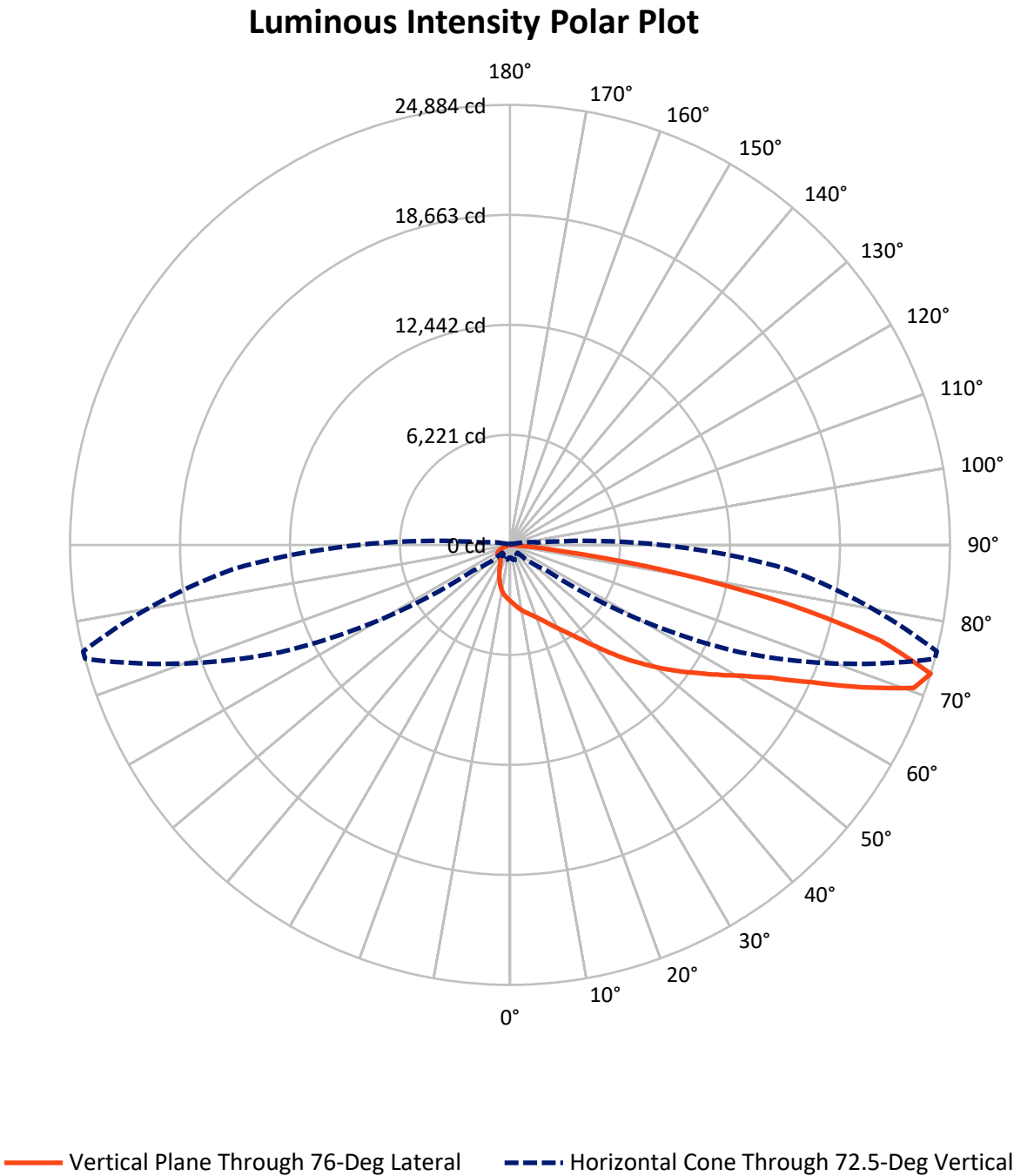
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type II - Medium - N/A

REPORT NUMBER: P950589
CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS



REPORT NUMBER: P950589

CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1879.8	0.0	1879.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	16486.2	0.0	16486.2
	% Fixture	89.8	0.0	89.8
Total	Lumens	18366.0	0.0	18366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	1.6
10°-20°	774.0	4.2
20°-30°	1225.0	6.7
30°-40°	1895.3	10.3
40°-50°	2878.6	15.7
50°-60°	3968.4	21.6
60°-70°	4192.4	22.8
70°-80°	2876.1	15.7
80°-90°	267.7	1.5
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°	18366.0	100.0
0°-180°	18366.0	100.0

Coefficient of Utilization



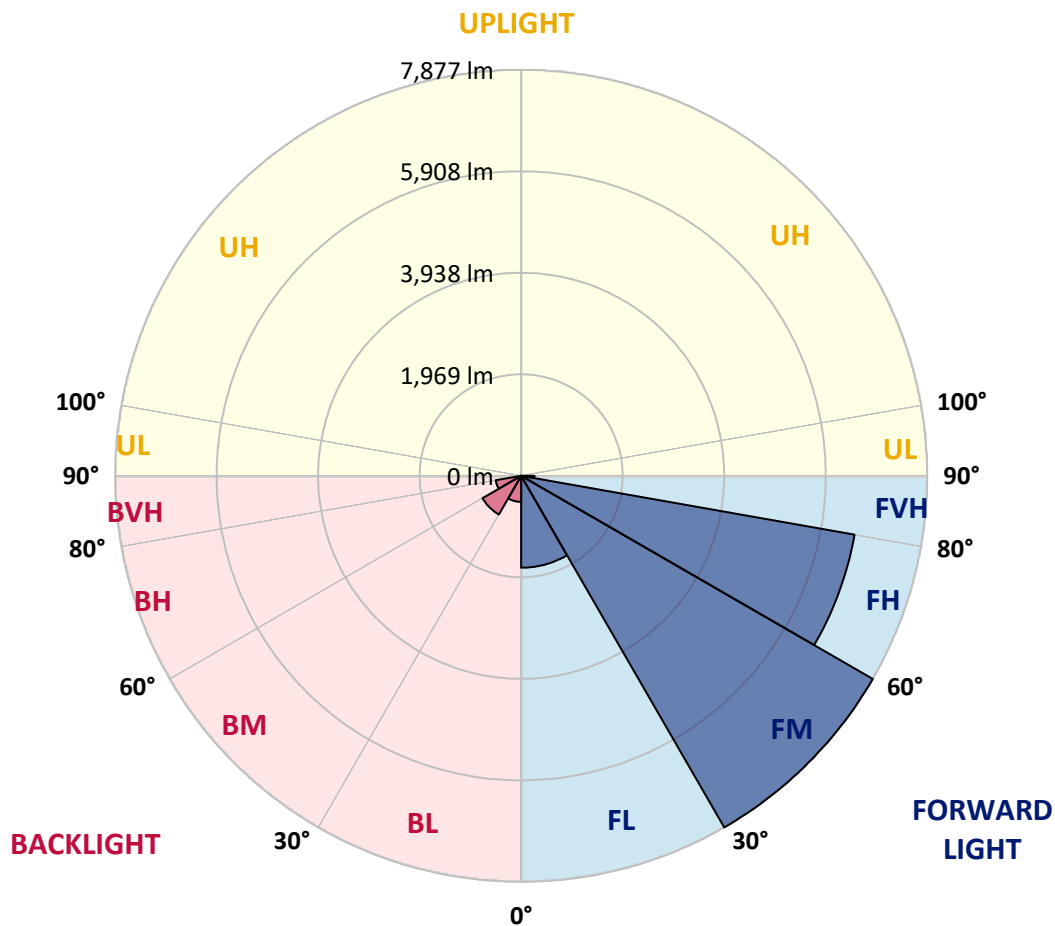
REPORT NUMBER: P950589
CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

				Zone Rating/Lumen Limit		
Zone		Lumens	% Fixture	B	U	G
FL	(0°-30°)	1782.4	9.7			
FM	(30°-60°)	7876.8	42.9			
FH	(60°-80°)	6566.6	35.8			G3/7500
FVH	(80°-90°)	260.4	1.4			G3/500
BL	(0°-30°)	505.3	2.8	B2/1000		
BM	(30°-60°)	865.4	4.7	B1/1000		
BH	(60°-80°)	501.8	2.7	B2/1000		G2/1000
BVH	(80°-90°)	7.2	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 II Medium



REPORT NUMBER: P950589

CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8
2.5°	3689.7	3640.8	3650.4	3601.5	3578.9	3524.1	3466.9	3391.8	3308.4	3308.4	3227.4
5°	4078.1	4047.1	4047.1	3989.9	3945.8	3860.0	3757.6	3625.3	3468.1	3452.6	3298.9
7.5°	4316.3	4297.3	4309.2	4275.8	4240.1	4150.7	4029.2	3856.5	3633.7	3614.6	3383.5
10°	4362.8	4361.6	4395.0	4404.5	4428.3	4383.0	4274.6	4075.7	3796.9	3769.5	3456.2
12.5°	4182.9	4160.3	4242.5	4339.0	4474.8	4535.5	4479.5	4275.8	3945.8	3907.7	3524.1
15°	3887.4	3892.2	3970.8	4119.8	4346.1	4562.9	4635.6	4471.2	4097.1	4051.8	3588.4
17.5°	3718.3	3700.4	3768.3	3901.7	4151.9	4458.1	4708.3	4653.5	4257.9	4206.7	3653.9
20°	3698.0	3696.8	3712.3	3773.1	3963.7	4308.0	4699.9	4831.0	4447.4	4387.8	3748.0
22.5°	3838.6	3836.2	3823.1	3811.2	3863.6	4161.4	4664.2	5000.2	4673.7	4609.4	3881.5
25°	4054.2	4050.7	4030.4	3957.7	3906.5	4082.8	4630.8	5157.4	4941.8	4870.3	4043.5
27.5°	4317.5	4315.1	4278.2	4168.6	4036.4	4090.0	4614.2	5319.5	5251.6	5181.3	4230.5
30°	4640.4	4635.6	4559.4	4404.5	4231.7	4203.1	4636.8	5501.7	5574.4	5520.8	4446.2
32.5°	5045.4	5032.3	4932.3	4698.8	4456.9	4354.5	4679.7	5688.8	5956.8	5906.8	4734.5
35°	5358.8	5338.5	5280.1	5074.0	4717.8	4540.3	4779.8	5910.4	6416.7	6372.6	5102.6
37.5°	5628.0	5607.8	5560.1	5390.9	5091.9	4777.4	4940.6	6205.8	6960.0	6938.5	5551.8
40°	5918.7	5885.4	5862.7	5681.6	5411.2	5119.3	5170.5	6551.3	7585.4	7587.8	6091.5
42.5°	6142.7	6129.6	6132.0	5992.6	5719.8	5524.4	5475.5	6940.9	8334.8	8357.4	6740.8
45°	6334.5	6323.8	6367.9	6270.2	6030.7	5790.0	5832.9	7381.7	9154.5	9200.9	7467.5
47.5°	6482.2	6494.1	6557.3	6494.1	6353.6	5977.1	6149.8	7857.1	10015.8	10021.8	8218.1
50°	6630.0	6634.7	6739.6	6708.6	6651.4	6214.2	6441.7	8388.4	10923.7	10934.4	8919.8
52.5°	6676.4	6669.3	6836.1	6912.3	6914.7	6507.3	6819.4	8967.4	11813.6	11848.2	9641.7
55°	6438.2	6458.4	6727.7	7037.4	7160.1	6912.3	7329.3	9700.1	12761.9	12776.2	10356.6
57.5°	5273.0	5385.0	5980.7	6699.1	7318.6	7492.5	8062.0	10556.7	13856.8	13843.7	11080.9
60°	3200.0	3333.4	4045.9	5618.5	6801.5	8075.1	9141.4	11883.9	15052.9	15016.0	11813.6
62.5°	1789.4	1829.9	2057.5	3363.2	5172.9	7704.6	10195.7	13588.7	16658.9	16533.8	12534.4
65°	1318.8	1331.9	1385.6	1647.7	2542.4	5925.9	9964.6	15627.2	18915.4	18692.6	13398.1
67.5°	1146.1	1159.2	1211.6	1247.4	1135.4	3113.0	8209.7	16757.8	21780.6	21488.7	14566.9
70°	965.0	972.2	1056.7	1080.6	812.5	1184.2	5274.2	16408.7	24432.6	24224.1	15821.4
72.5°	719.6	748.2	870.9	928.1	651.7	629.0	2482.8	14346.5	24881.7	24884.1	15736.8
75°	488.5	514.7	655.3	763.7	502.8	440.8	1001.9	10712.8	21666.2	21666.2	13794.9
77.5°	333.6	355.0	456.3	599.3	381.2	302.6	519.4	6799.1	15543.8	16090.6	9832.4
80°	147.7	160.8	294.3	434.8	289.5	195.4	294.3	3723.0	9399.9	9284.3	3854.1
82.5°	72.7	83.4	188.2	271.6	187.0	120.3	154.9	1770.4	3046.3	2895.0	601.6
85°	14.3	19.1	101.3	115.6	87.0	53.6	58.4	544.5	366.9	419.4	127.5
87.5°	0.0	0.0	31.0	21.4	9.5	11.9	11.9	48.8	28.6	33.4	33.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950589

CATALOG NUMBER: GALN-SB5A-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8	3173.8
2.5°	3184.5	3140.4	3043.9	2948.6	2850.9	2761.6	2699.6	2637.7	2599.6	2582.9	2585.3
5°	3209.5	3120.2	2917.7	2705.6	2495.9	2291.0	2137.3	1993.2	1947.9	1872.8	1877.6
7.5°	3248.9	3103.5	2784.2	2426.8	2086.1	1785.9	1569.0	1396.3	1327.2	1260.5	1259.3
10°	3275.1	3072.5	2607.9	2130.2	1669.1	1331.9	1124.7	999.6	954.3	913.8	912.6
12.5°	3285.8	3015.4	2405.4	1797.8	1298.6	1015.0	891.1	832.8	817.3	803.0	803.0
15°	3295.3	2959.4	2179.0	1477.3	1025.8	849.4	800.6	781.5	770.8	761.3	761.3
17.5°	3303.7	2887.9	1920.5	1200.9	866.1	782.7	758.9	738.6	730.3	719.6	719.6
20°	3332.3	2818.8	1689.4	991.2	779.2	735.1	708.9	687.4	680.3	673.1	674.3
22.5°	3385.9	2762.8	1465.4	849.4	726.7	686.2	652.9	629.0	624.3	619.5	615.9
25°	3450.2	2693.7	1254.5	757.7	675.5	630.2	593.3	573.0	568.3	569.5	567.1
27.5°	3532.4	2617.4	1073.4	699.3	630.2	577.8	536.1	520.6	523.0	527.8	525.4
30°	3623.0	2547.1	931.6	658.8	589.7	531.4	489.7	478.9	487.3	494.4	492.0
32.5°	3757.6	2485.2	832.8	626.7	554.0	493.2	459.9	446.8	456.3	465.8	463.4
35°	3941.0	2454.2	776.8	599.3	523.0	463.4	430.1	420.6	430.1	432.5	431.3
37.5°	4166.2	2451.8	752.9	576.6	494.4	438.4	401.5	397.9	405.1	406.3	403.9
40°	4456.9	2467.3	735.1	559.9	464.6	409.8	375.3	371.7	374.1	382.4	381.2
42.5°	4825.0	2531.7	710.1	538.5	432.5	381.2	353.8	345.5	344.3	353.8	352.6
45°	5287.3	2673.4	676.7	503.9	403.9	357.4	330.0	320.5	316.9	319.3	322.9
47.5°	5791.2	2847.4	643.3	471.8	383.6	338.3	310.9	299.0	293.1	293.1	293.1
50°	6279.7	3043.9	620.7	438.4	369.3	320.5	290.7	278.8	269.2	266.9	265.7
52.5°	6763.4	3236.9	602.8	405.1	352.6	297.8	271.6	258.5	247.8	243.0	240.7
55°	7204.2	3420.4	571.9	372.9	331.2	274.0	252.6	239.5	226.4	218.0	214.4
57.5°	7627.1	3572.9	514.7	339.5	297.8	251.4	232.3	218.0	202.5	191.8	187.0
60°	8012.0	3651.5	443.2	303.8	264.5	227.6	209.7	196.6	176.3	158.5	153.7
62.5°	8305.0	3620.6	365.8	263.3	229.9	206.1	183.5	170.4	146.5	125.1	116.8
65°	8605.3	3451.4	291.9	220.4	201.3	177.5	153.7	140.6	113.2	90.5	84.6
67.5°	8994.8	3090.4	229.9	183.5	173.9	140.6	120.3	112.0	92.9	71.5	66.7
70°	9245.0	2400.6	178.7	148.9	143.0	102.5	92.9	91.7	73.9	54.8	48.8
72.5°	8558.8	1573.8	137.0	113.2	102.5	66.7	71.5	71.5	53.6	36.9	32.2
75°	7144.6	920.9	98.9	81.0	58.4	42.9	48.8	48.8	33.4	17.9	14.3
77.5°	5102.6	490.8	65.5	50.0	29.8	19.1	26.2	25.0	10.7	1.2	0.0
80°	1951.5	169.2	31.0	20.3	8.3	3.6	2.4	1.2	1.2	0.0	0.0
82.5°	297.8	44.1	6.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	53.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	0.0	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)