

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: P952027

Luminaire Tested: **GALN-SB6A-730-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-730-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20789 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 170.9
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

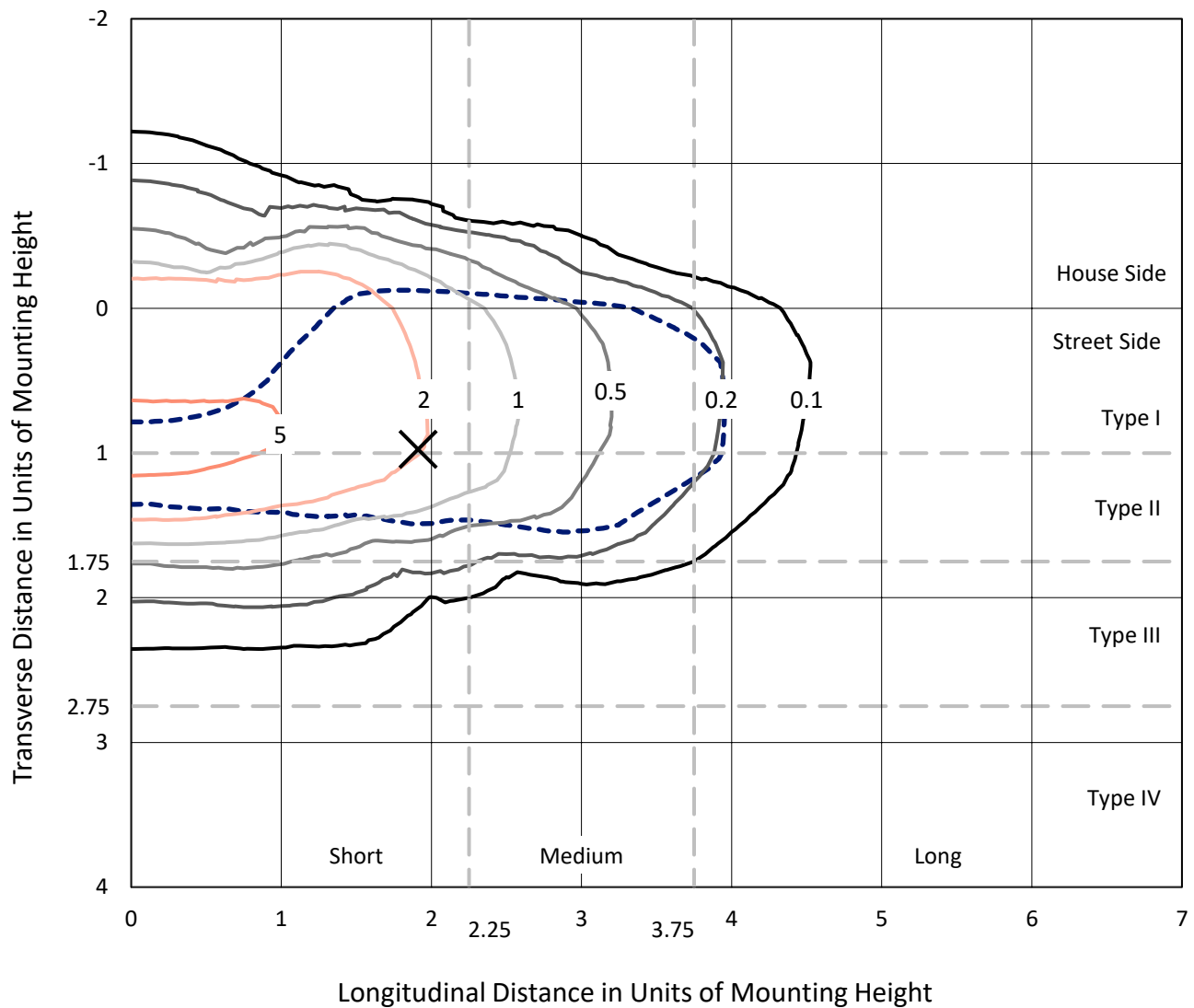


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Iso-Footcandle Lines of Horizontal Illumination

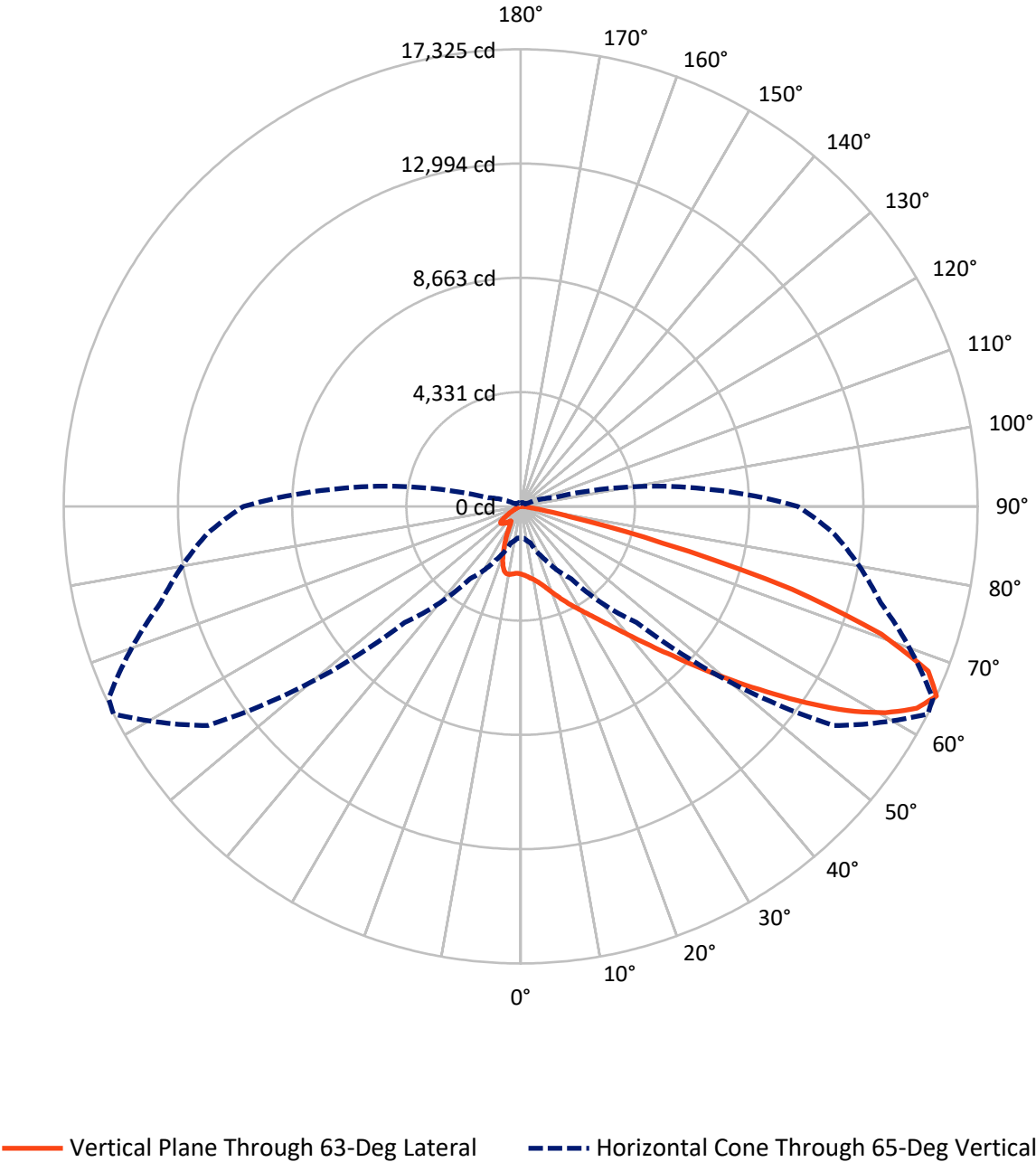
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3055.8	0.0	3055.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	17733.2	0.0	17733.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	20789.0	0.0	20789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.7	1.2
10°-20°	670.7	3.2
20°-30°	1167.9	5.6
30°-40°	2105.1	10.1
40°-50°	4175.1	20.1
50°-60°	5687.1	27.4
60°-70°	4539.4	21.8
70°-80°	2054.2	9.9
80°-90°	147.7	0.7
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°	20789.0	100.0
0°-180°	20789.0	100.0

Coefficient of Utilization



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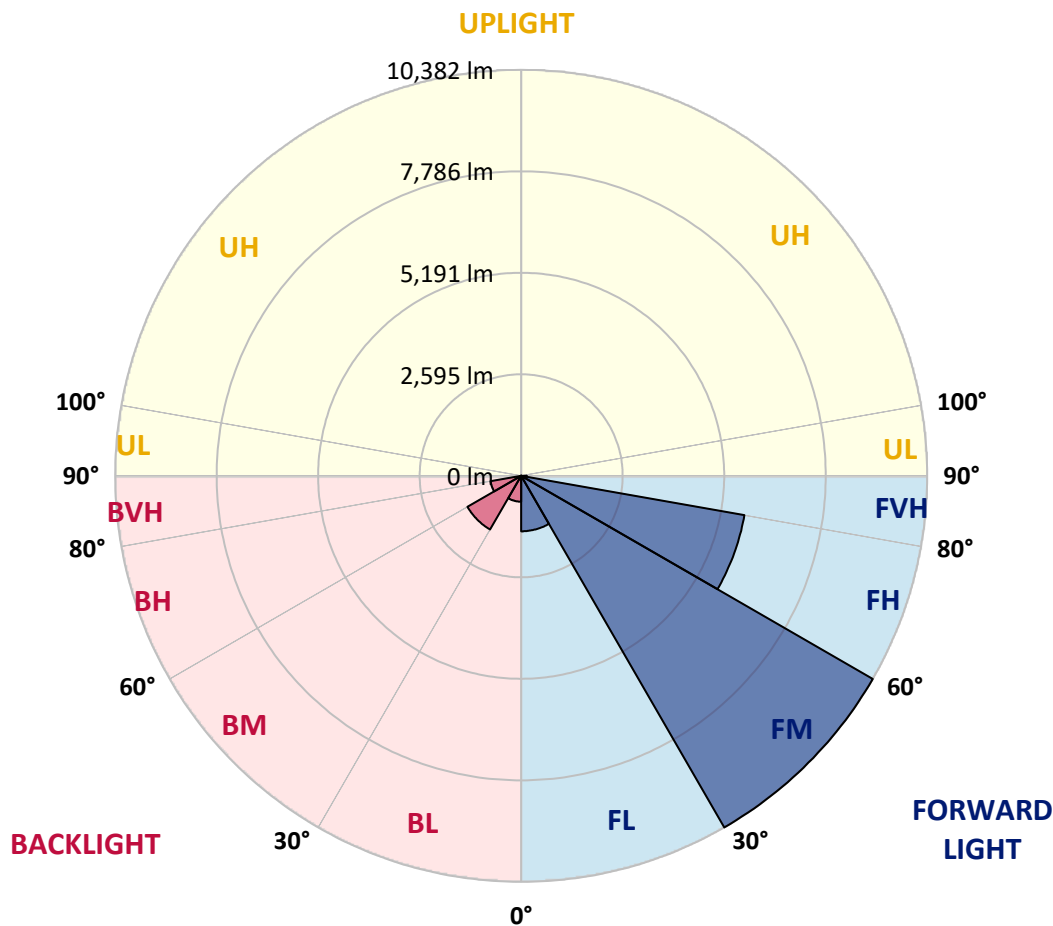
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1419.1	6.8			
FM	(30°-60°)	10381.5	49.9			
FH	(60°-80°)	5795.9	27.9			G3/7500
FVH	(80°-90°)	136.7	0.7			G2/225
BL	(0°-30°)	661.3	3.2	B2/1000		
BM	(30°-60°)	1585.8	7.6	B2/2500		
BH	(60°-80°)	797.8	3.8	B2/1000		G2/1000
BVH	(80°-90°)	11.0	0.1			G1/100
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8
2.5°	2625.8	2618.7	2628.7	2624.4	2621.5	2615.8	2613.0	2610.1	2604.4	2600.1	2582.9
5°	2633.0	2628.7	2638.7	2647.3	2655.9	2664.4	2668.7	2674.4	2668.7	2657.3	2640.1
7.5°	2572.9	2570.0	2591.5	2617.2	2655.9	2688.8	2724.5	2744.5	2746.0	2741.7	2723.1
10°	2568.6	2561.5	2582.9	2614.4	2664.4	2723.1	2786.0	2828.9	2834.6	2853.2	2833.2
12.5°	2635.8	2628.7	2658.7	2693.0	2744.5	2806.0	2883.3	2943.3	2951.9	2977.6	2963.3
15°	2748.8	2738.8	2773.1	2817.5	2883.3	2953.3	3034.9	3089.2	3096.4	3127.8	3102.1
17.5°	2880.4	2870.4	2910.4	2957.6	3029.1	3125.0	3219.4	3279.4	3288.0	3308.0	3260.8
20°	3049.2	3036.3	3067.8	3110.7	3186.5	3300.9	3413.9	3499.7	3498.2	3498.2	3421.0
22.5°	3245.1	3225.1	3252.2	3286.6	3358.1	3496.8	3647.0	3748.5	3748.5	3708.5	3581.2
25°	3455.3	3435.3	3465.3	3496.8	3559.7	3717.1	3893.0	4018.8	4024.5	3955.9	3752.8
27.5°	3718.5	3692.7	3715.6	3752.8	3790.0	3950.2	4159.0	4304.9	4307.7	4201.9	3915.9
30°	4224.8	4151.8	4080.3	4040.3	4057.4	4216.2	4439.3	4600.9	4615.2	4469.3	4093.2
32.5°	5151.5	5137.2	4885.5	4556.6	4385.0	4502.2	4752.5	4947.0	4955.6	4768.2	4323.5
35°	6591.7	6574.6	6169.8	5543.4	4984.2	4885.5	5132.9	5363.2	5357.5	5145.8	4622.4
37.5°	8310.8	8295.1	7761.6	6923.5	6018.2	5464.7	5623.5	5865.2	5901.0	5623.5	5008.5
40°	9779.6	9721.0	9383.5	8575.4	7391.2	6425.8	6321.4	6481.6	6518.8	6189.8	5499.1
42.5°	10892.3	10842.2	10670.6	10165.8	9053.1	7847.4	7143.8	7205.3	7246.8	6852.0	6062.6
45°	11468.7	11457.2	11525.9	11478.7	10746.4	9592.3	8319.4	8063.4	8079.1	7585.7	6701.9
47.5°	11550.2	11544.5	11857.7	12301.0	12202.4	11560.2	9828.2	9133.2	9077.4	8413.8	7396.9
50°	11069.6	11058.2	11658.9	12489.8	13174.9	13213.5	11541.6	10338.8	10215.8	9270.5	8122.0
52.5°	9535.1	9532.2	10519.0	11902.0	13516.7	14660.8	13235.0	11663.2	11457.2	10177.2	8888.6
55°	7336.9	7389.8	8521.1	10155.8	12893.1	15357.3	14755.2	13133.4	12817.3	11089.7	9595.1
57.5°	5197.3	5274.5	6392.9	7848.9	10959.5	14945.5	15783.5	14606.5	14266.1	11999.3	10311.6
60°	2791.7	2860.4	3980.2	5717.9	8153.5	13409.4	16325.6	15885.1	15563.3	12863.1	10958.1
62.5°	1663.3	1686.2	2149.6	3691.3	5514.8	10244.4	16095.3	16859.0	16594.5	13588.2	11520.2
65°	1194.2	1198.5	1431.6	2254.0	3348.1	6224.2	14480.6	17325.3	17243.8	14134.5	11936.3
67.5°	1005.4	1002.6	1099.8	1497.4	2281.1	3117.8	11098.3	16666.0	17012.1	14480.6	12172.3
70°	862.4	866.7	981.1	1097.0	1714.8	1764.9	5517.7	14510.7	15248.7	14572.2	12158.0
72.5°	642.2	656.5	762.3	999.7	1294.3	1214.2	1905.0	10759.3	12093.7	13729.8	11527.3
75°	453.4	460.5	536.3	840.9	965.4	883.9	972.5	5562.0	7272.5	10526.2	9434.9
77.5°	349.0	361.8	406.2	587.8	951.1	620.7	595.0	1925.0	2957.6	6358.6	6468.7
80°	188.8	211.7	293.2	424.8	667.9	439.1	294.6	766.6	1002.6	2973.4	2494.2
82.5°	97.3	108.7	204.5	306.1	380.4	383.3	145.9	318.9	413.3	918.2	341.8
85°	38.6	47.2	137.3	168.8	195.9	188.8	65.8	128.7	148.7	254.6	104.4
87.5°	8.6	14.3	50.1	38.6	37.2	40.0	15.7	30.0	28.6	30.0	18.6
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°	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8	2565.8
2.5°	2581.5	2575.8	2560.0	2542.9	2522.8	2511.4	2504.3	2502.8	2492.8	2485.7	2492.8
5°	2624.4	2618.7	2588.6	2552.9	2514.3	2484.2	2455.6	2429.9	2392.7	2385.6	2382.7
7.5°	2710.2	2694.5	2645.8	2597.2	2524.3	2437.0	2331.2	2209.6	2100.9	2068.1	2052.3
10°	2816.0	2794.6	2733.1	2647.3	2485.7	2248.3	1992.3	1754.8	1566.1	1513.1	1493.1
12.5°	2936.2	2917.6	2836.1	2677.3	2324.1	1893.6	1501.7	1207.1	1024.0	978.2	965.4
15°	3079.2	3052.0	2939.0	2631.5	2035.2	1438.8	1031.2	856.7	790.9	782.3	773.7
17.5°	3230.8	3186.5	3030.6	2467.1	1646.1	1022.6	796.6	746.6	718.0	709.4	705.1
20°	3369.5	3312.3	3084.9	2218.2	1230.0	796.6	713.7	680.8	655.0	645.0	639.3
22.5°	3508.2	3426.7	3084.9	1879.3	922.5	706.5	655.0	625.0	595.0	582.1	574.9
25°	3652.7	3544.0	3030.6	1501.7	742.3	647.9	599.2	566.4	540.6	524.9	519.2
27.5°	3792.9	3642.7	2906.1	1144.1	660.7	596.4	547.8	516.3	492.0	480.5	480.5
30°	3925.9	3739.9	2731.7	868.1	607.8	546.3	500.6	473.4	449.1	437.6	439.1
32.5°	4106.1	3862.9	2545.7	712.2	562.1	499.1	457.7	431.9	410.5	401.9	401.9
35°	4356.3	4044.6	2385.6	699.4	523.4	460.5	419.0	394.7	373.3	366.1	366.1
37.5°	4711.0	4337.8	2301.2	785.2	492.0	426.2	387.6	361.8	341.8	336.1	334.7
40°	5148.7	4735.3	2346.9	871.0	470.5	396.2	359.0	333.2	316.1	308.9	307.5
42.5°	5667.8	5225.9	2600.1	936.8	456.2	370.4	331.8	303.2	291.8	288.9	288.9
45°	6264.2	5765.1	2987.7	1006.9	433.3	346.1	304.6	283.2	274.6	273.2	271.7
47.5°	6942.1	6357.2	3436.7	1094.1	410.5	323.2	283.2	268.9	261.7	258.9	258.9
50°	7614.3	6953.6	3898.7	1142.7	391.9	301.8	266.0	254.6	248.9	247.4	247.4
52.5°	8318.0	7567.1	4272.0	1097.0	376.1	284.6	251.7	243.1	237.4	236.0	236.0
55°	8988.7	8063.4	4336.3	931.1	344.7	267.4	236.0	231.7	224.5	224.5	223.1
57.5°	9566.5	8312.2	3881.5	683.6	313.2	241.7	220.2	216.0	210.2	208.8	207.4
60°	10097.1	8240.7	2996.2	460.5	278.9	216.0	200.2	197.4	191.6	184.5	183.1
62.5°	10396.0	7926.1	2049.5	300.3	244.6	188.8	177.3	175.9	163.0	148.7	145.9
65°	10509.0	7279.7	1278.6	218.8	204.5	161.6	153.0	150.2	131.6	115.8	114.4
67.5°	10410.3	6215.6	645.0	173.1	161.6	134.4	125.9	125.9	113.0	98.7	97.3
70°	10015.6	4659.5	271.7	138.7	124.4	103.0	103.0	108.7	95.8	80.1	78.7
72.5°	9158.9	3135.0	144.4	105.8	93.0	72.9	84.4	88.7	75.8	60.1	60.1
75°	7281.1	1912.2	100.1	78.7	58.6	51.5	64.4	67.2	51.5	40.0	38.6
77.5°	4979.9	1098.4	67.2	50.1	37.2	30.0	44.3	41.5	27.2	18.6	20.0
80°	2186.8	457.7	38.6	22.9	14.3	11.4	15.7	11.4	8.6	5.7	5.7
82.5°	256.0	107.3	14.3	8.6	5.7	2.9	1.4	0.0	0.0	0.0	0.0
85°	52.9	12.9	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	2.9	1.4	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)