

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: P947860

Luminaire Tested: **GALN-SB3A-830-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-830-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12020 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

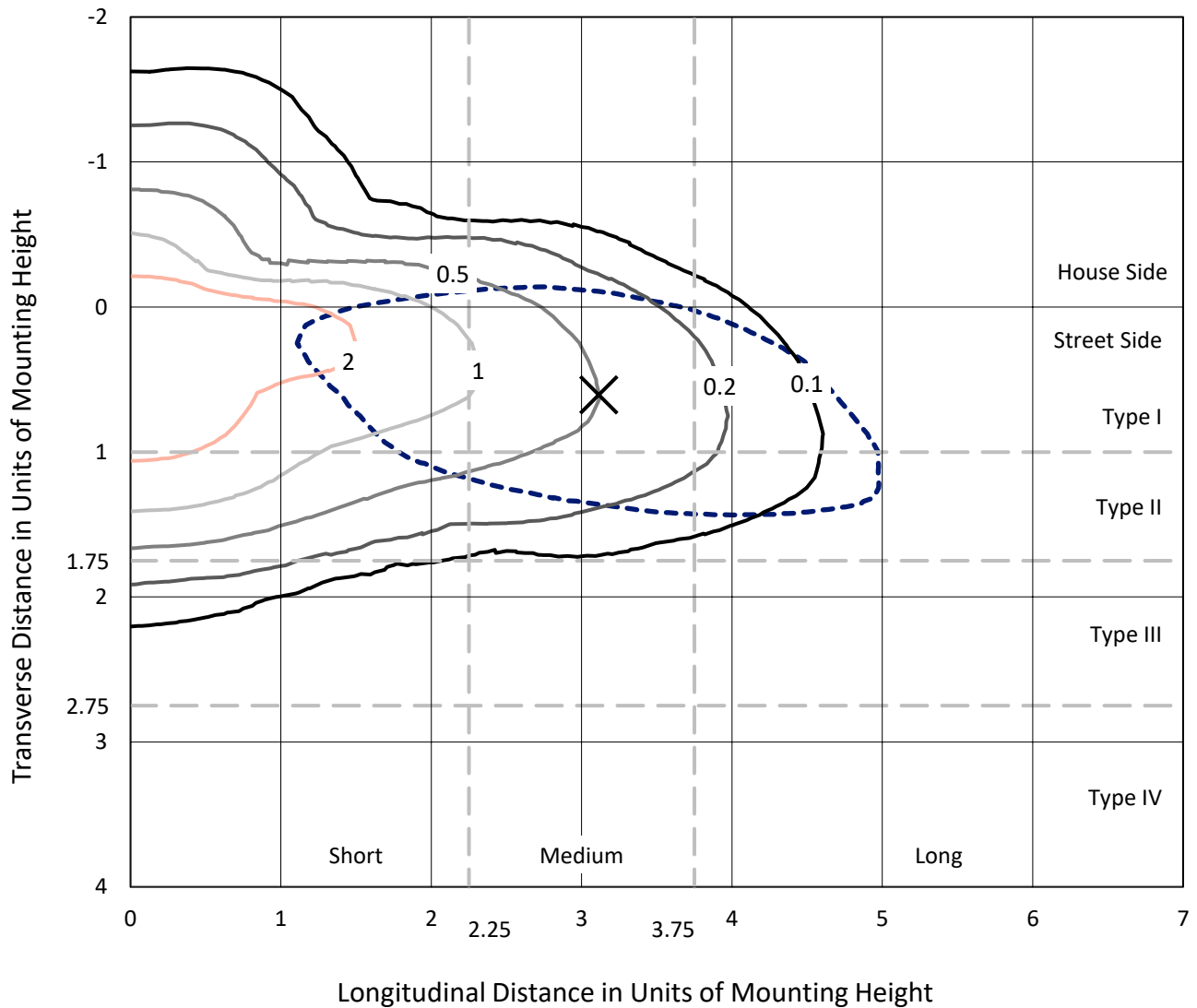
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947860
 CATALOG NUMBER: GALN-SB3A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

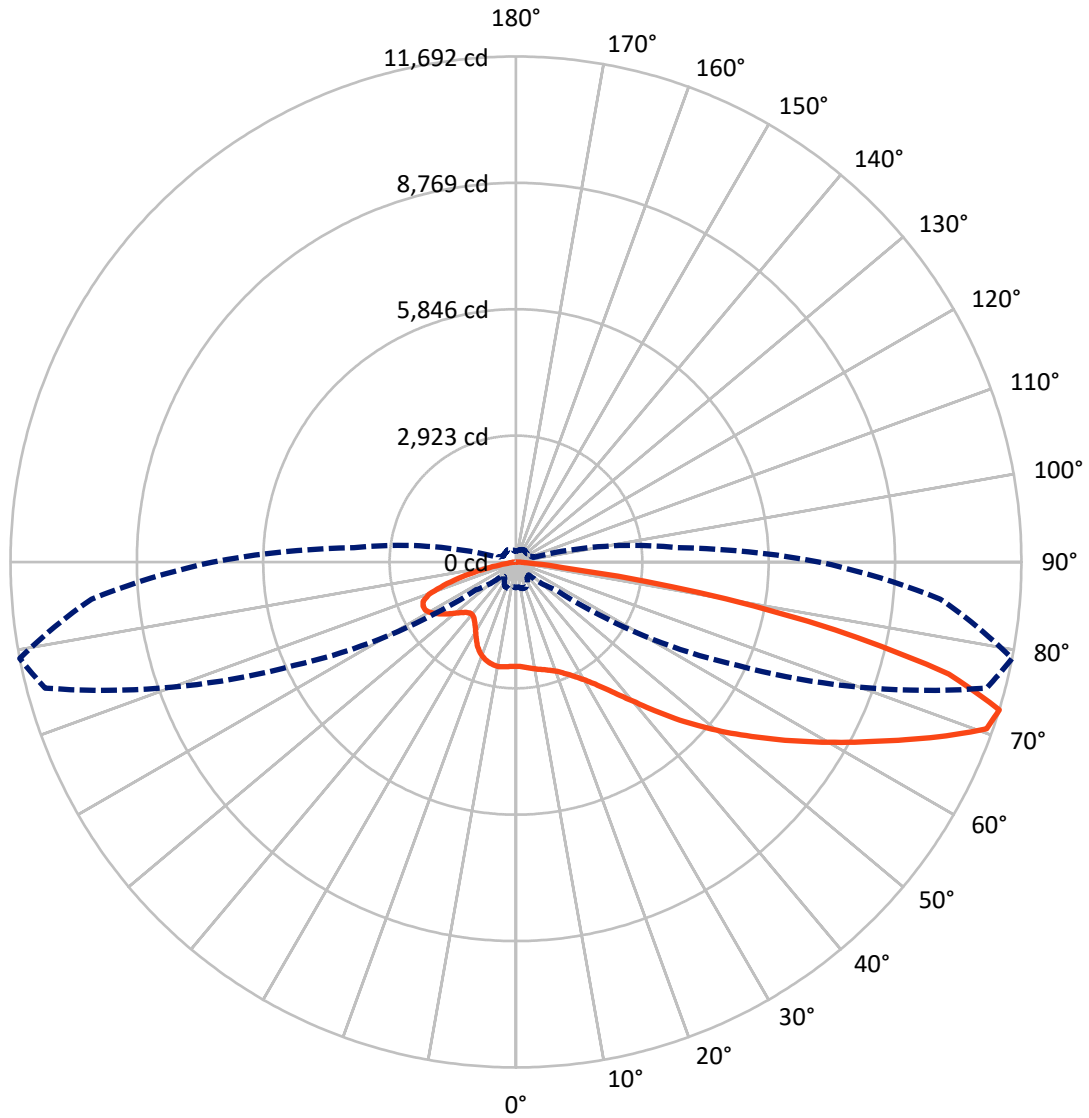
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P947860
CATALOG NUMBER: GALN-SB3A-830-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P947860

CATALOG NUMBER: GALN-SB3A-830-U-SL2

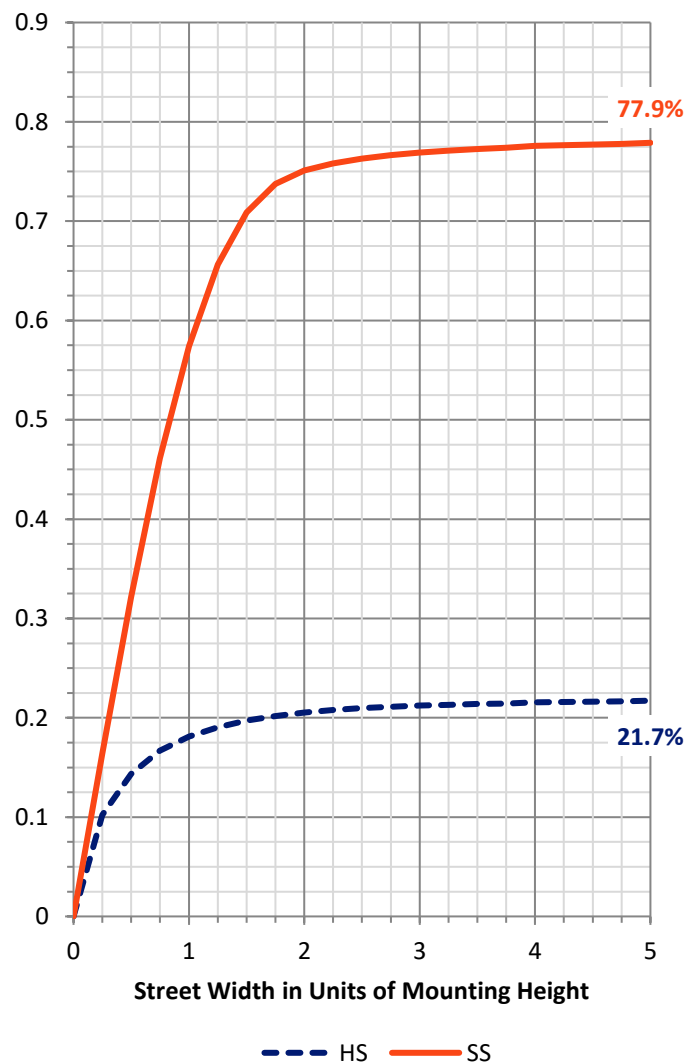
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2645.1	0.0	2645.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	9374.9	0.0	9374.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	12020.0	0.0	12020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	1.8
10°-20°	572.6	4.8
20°-30°	924.0	7.7
30°-40°	1386.8	11.5
40°-50°	1967.2	16.4
50°-60°	2484.4	20.7
60°-70°	2523.2	21.0
70°-80°	1719.7	14.3
80°-90°	223.1	1.9
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°	12020.0	100.0
0°-180°	12020.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947860

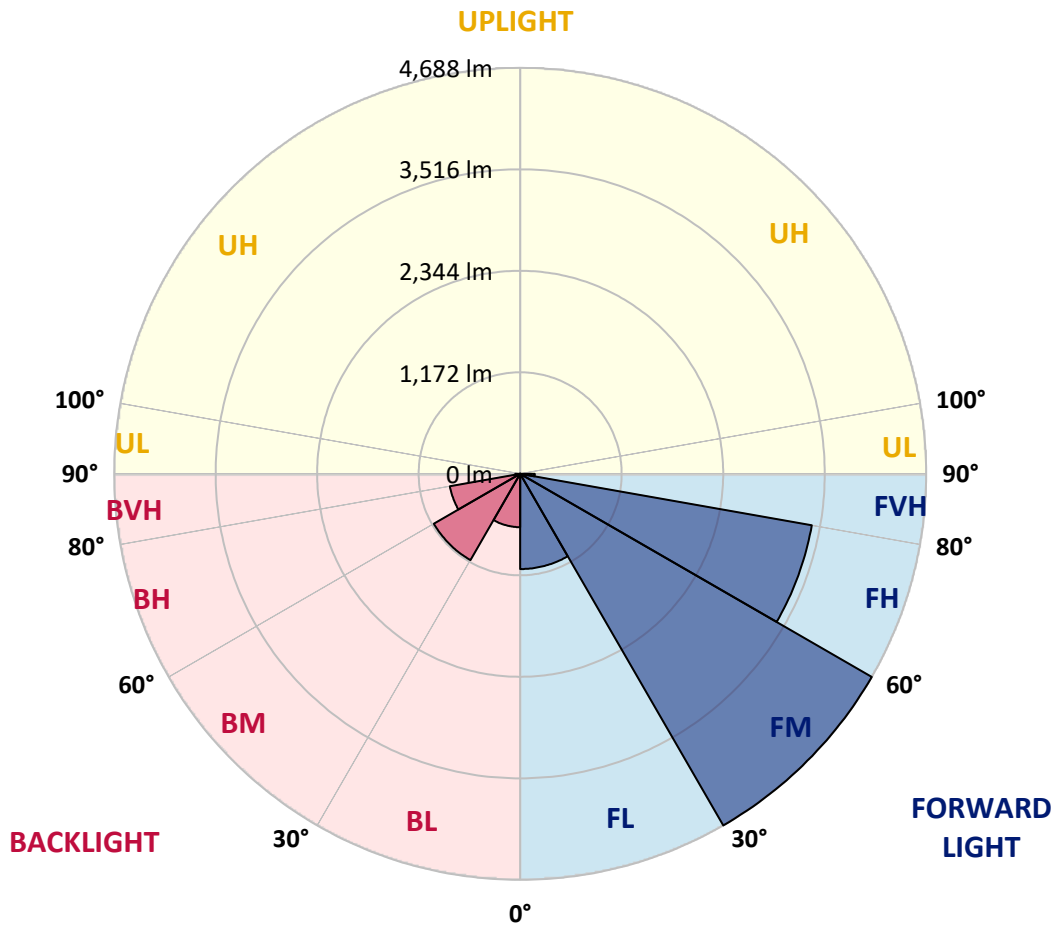
CATALOG NUMBER: GALN-SB3A-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.5	9.1			
FM (30°-60°)	4688.0	39.0			
FH (60°-80°)	3419.3	28.4			G2/5000
FVH (80°-90°)	168.1	1.4			G2/225
BL (0°-30°)	616.1	5.1	B2/1000		
BM (30°-60°)	1150.3	9.6	B2/2500		
BH (60°-80°)	823.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	55.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



REPORT NUMBER: P947860
 CATALOG NUMBER: GALN-SB3A-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9
2.5°	2414.2	2402.7	2409.7	2407.2	2410.4	2414.2	2415.4	2417.4	2423.7	2423.1
5°	2409.1	2397.6	2407.2	2404.0	2412.3	2421.2	2428.8	2435.8	2446.0	2450.4
7.5°	2398.3	2390.6	2400.2	2409.7	2425.0	2438.3	2449.1	2465.0	2479.7	2482.2
10°	2335.3	2329.6	2351.9	2376.7	2418.6	2454.9	2478.4	2496.8	2512.7	2515.3
12.5°	2269.8	2262.8	2287.6	2321.3	2389.4	2454.9	2504.5	2528.6	2542.6	2550.9
15°	2259.0	2253.3	2267.3	2296.5	2353.1	2437.7	2522.3	2566.8	2578.8	2588.4
17.5°	2311.2	2300.4	2306.1	2316.3	2349.3	2421.8	2536.2	2610.0	2628.4	2638.6
20°	2432.0	2416.7	2407.8	2387.5	2381.7	2424.3	2535.0	2662.1	2686.3	2699.0
22.5°	2592.8	2582.7	2563.6	2512.1	2456.1	2455.5	2559.1	2728.9	2774.0	2786.1
25°	2787.4	2772.1	2748.0	2678.0	2570.6	2517.2	2599.8	2814.1	2889.8	2892.9
27.5°	3011.2	2988.3	2955.2	2863.1	2718.1	2613.8	2662.1	2912.0	3022.6	3021.4
30°	3247.1	3224.2	3189.2	3077.3	2894.8	2744.2	2748.6	3017.6	3180.3	3173.3
32.5°	3419.4	3402.2	3395.2	3308.8	3098.3	2898.0	2847.8	3134.5	3374.9	3368.5
35°	3551.6	3529.4	3537.6	3493.8	3320.2	3070.3	2969.2	3273.8	3611.4	3610.8
37.5°	3682.6	3662.9	3669.9	3640.7	3525.6	3289.0	3117.4	3444.2	3904.5	3918.5
40°	3802.1	3781.2	3809.1	3781.8	3685.2	3521.8	3285.9	3636.8	4244.0	4270.7
42.5°	3874.0	3857.5	3903.9	3904.5	3823.8	3718.2	3470.9	3849.2	4637.0	4696.7
45°	3898.8	3893.1	3963.0	3977.6	3946.5	3832.0	3637.5	4080.6	5060.4	5167.2
47.5°	3872.1	3861.3	3957.9	4012.0	4036.8	3885.4	3775.4	4331.1	5492.8	5649.2
50°	3737.3	3716.3	3860.0	3973.8	4062.2	3920.4	3914.7	4620.4	5984.2	6155.3
52.5°	3495.1	3479.2	3642.6	3840.3	4006.2	3937.6	4071.1	4936.4	6450.9	6672.2
55°	3185.4	3164.4	3344.4	3602.5	3867.0	3931.9	4227.5	5289.9	7001.5	7226.0
57.5°	2694.6	2652.6	2880.2	3185.4	3640.0	3924.9	4390.3	5641.5	7561.1	7830.0
60°	1978.6	1916.3	2195.5	2557.2	3196.2	3856.8	4591.8	6035.7	8232.5	8474.7
62.5°	1152.1	1115.8	1298.3	1635.9	2409.1	3456.3	4705.0	6494.2	8892.4	9146.8
65°	894.6	884.4	900.3	926.4	1340.9	2587.7	4355.9	6941.1	9731.7	9909.7
67.5°	818.3	810.7	817.7	768.7	680.3	1441.4	3446.1	7054.3	10630.8	10738.8
70°	727.4	718.5	741.4	699.4	535.4	655.5	2226.6	6643.6	11346.0	11548.9
72.5°	592.6	582.4	635.8	616.7	450.8	420.9	1118.4	5667.6	11271.0	11691.9
75°	455.2	449.5	513.1	529.0	367.5	331.3	536.6	4212.9	9918.6	10342.7
77.5°	353.5	349.1	381.5	439.3	296.3	256.9	330.0	2672.3	7474.6	7549.0
80°	265.1	252.4	282.3	340.2	230.8	187.6	223.8	1558.4	4724.7	4282.8
82.5°	165.9	159.6	184.4	227.0	162.8	129.1	145.6	860.9	1893.4	1115.2
85°	94.7	92.2	100.5	129.7	88.4	74.4	83.3	380.2	345.9	237.8
87.5°	38.1	36.9	45.8	57.9	32.4	27.3	29.2	91.6	76.3	70.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947860
 CATALOG NUMBER: GALN-SB3A-830-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2412.9	0°	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9	2412.9
2422.4	2.5°	2419.9	2419.9	2411.0	2397.0	2381.1	2370.9	2354.4	2350.0	2332.8	2327.7
2444.1	5°	2449.1	2444.1	2416.7	2377.3	2323.3	2273.7	2219.0	2184.6	2136.3	2119.2
2486.7	7.5°	2486.0	2472.0	2425.0	2338.5	2225.3	2114.1	1998.4	1910.6	1826.7	1796.8
2521.6	10°	2519.7	2500.0	2419.9	2268.6	2072.7	1880.1	1695.7	1566.6	1468.7	1428.7
2560.4	12.5°	2553.4	2517.2	2386.2	2152.2	1855.9	1594.6	1398.1	1297.7	1237.3	1189.0
2592.2	15°	2585.2	2534.3	2334.1	1996.4	1618.1	1353.0	1208.0	1127.9	1079.6	1047.8
2638.6	17.5°	2622.1	2549.0	2255.9	1798.7	1391.8	1185.8	1067.5	1019.2	1009.7	1005.9
2702.2	20°	2673.6	2562.3	2152.9	1577.4	1225.2	1052.3	991.2	986.8	986.1	984.2
2778.5	22.5°	2728.9	2578.2	2016.8	1376.5	1083.4	969.0	958.2	949.3	943.5	942.9
2870.7	25°	2794.4	2583.3	1846.4	1211.9	962.6	929.6	916.8	903.5	899.7	899.7
2975.6	27.5°	2858.0	2566.1	1648.0	1068.8	894.6	893.3	876.8	872.3	871.7	873.6
3095.1	30°	2921.5	2533.7	1450.9	936.5	855.2	855.2	849.4	852.6	855.2	861.5
3259.2	32.5°	3007.4	2499.4	1286.2	838.6	820.8	814.5	820.2	826.6	829.1	837.4
3474.7	35°	3133.3	2475.2	1155.3	785.2	785.2	777.0	780.1	778.9	773.1	769.3
3735.4	37.5°	3299.9	2473.9	1047.2	760.4	755.3	754.1	754.7	746.4	724.2	697.5
4050.7	40°	3500.1	2508.3	963.9	743.3	739.4	747.1	743.3	721.0	660.0	613.6
4438.6	42.5°	3769.1	2606.2	910.5	722.3	733.7	743.3	728.0	651.1	609.7	578.6
4880.5	45°	4085.7	2765.1	883.1	700.0	722.9	734.4	660.6	626.9	593.8	556.3
5362.4	47.5°	4444.3	2965.4	876.8	679.0	698.8	705.7	632.0	616.7	579.2	538.5
5846.9	50°	4834.7	3202.6	893.9	654.2	663.8	639.6	622.5	608.5	569.7	529.6
6343.5	52.5°	5238.4	3463.9	928.3	620.6	628.8	602.1	618.6	606.6	564.0	509.9
6856.6	55°	5635.2	3727.1	961.3	581.1	593.2	568.4	607.8	598.9	537.9	476.9
7404.0	57.5°	6038.3	3989.1	993.8	546.2	558.9	536.0	590.7	578.6	508.6	446.3
8001.7	60°	6457.3	4243.4	1009.0	512.5	521.4	506.1	564.6	543.6	475.6	415.2
8589.2	62.5°	6849.6	4455.1	984.2	478.8	484.5	478.1	530.3	502.3	442.5	380.2
9201.4	65°	7243.2	4581.0	907.9	445.7	447.0	443.8	481.9	457.8	403.7	349.7
9737.4	67.5°	7599.8	4651.6	786.5	410.1	406.9	405.6	436.8	409.5	366.2	319.2
10145.0	70°	7675.5	4472.3	600.8	368.1	368.1	365.0	387.2	359.2	324.9	286.8
9853.2	72.5°	7010.4	3762.1	426.6	320.4	325.5	319.2	337.6	314.1	282.9	257.5
8491.9	75°	5653.0	2758.8	310.3	271.5	280.4	269.6	286.8	270.2	243.5	242.9
5852.0	77.5°	3884.2	1705.9	225.1	223.8	230.2	216.2	235.9	227.0	202.8	192.0
2547.1	80°	1657.6	680.3	164.0	172.9	172.9	160.2	183.1	185.7	164.7	159.6
491.5	82.5°	330.0	193.3	115.1	118.9	111.9	108.1	129.7	143.7	198.4	220.6
148.1	85°	99.2	71.2	69.3	64.9	57.2	57.9	76.3	144.3	178.0	101.7
49.0	87.5°	27.3	17.8	18.4	14.6	12.1	15.9	26.1	109.4	59.8	25.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
2412.9
2336.0
2131.9
1800.6
1437.6
1204.9
1053.5
1008.4
990.6
949.9
903.5
878.7
866.0
844.4
778.2
698.1
612.3
577.3
553.8
535.4
525.2
506.1
473.7
445.1
413.3
379.6
345.9
315.4
285.5
249.9
218.7
179.9
159.6
221.3
87.7
21.6
0.0

F REPORT)