

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: STREETWORKS

Report Number: P477299

Luminaire Tested: **IFLD-S-SA3B-730-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477299
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

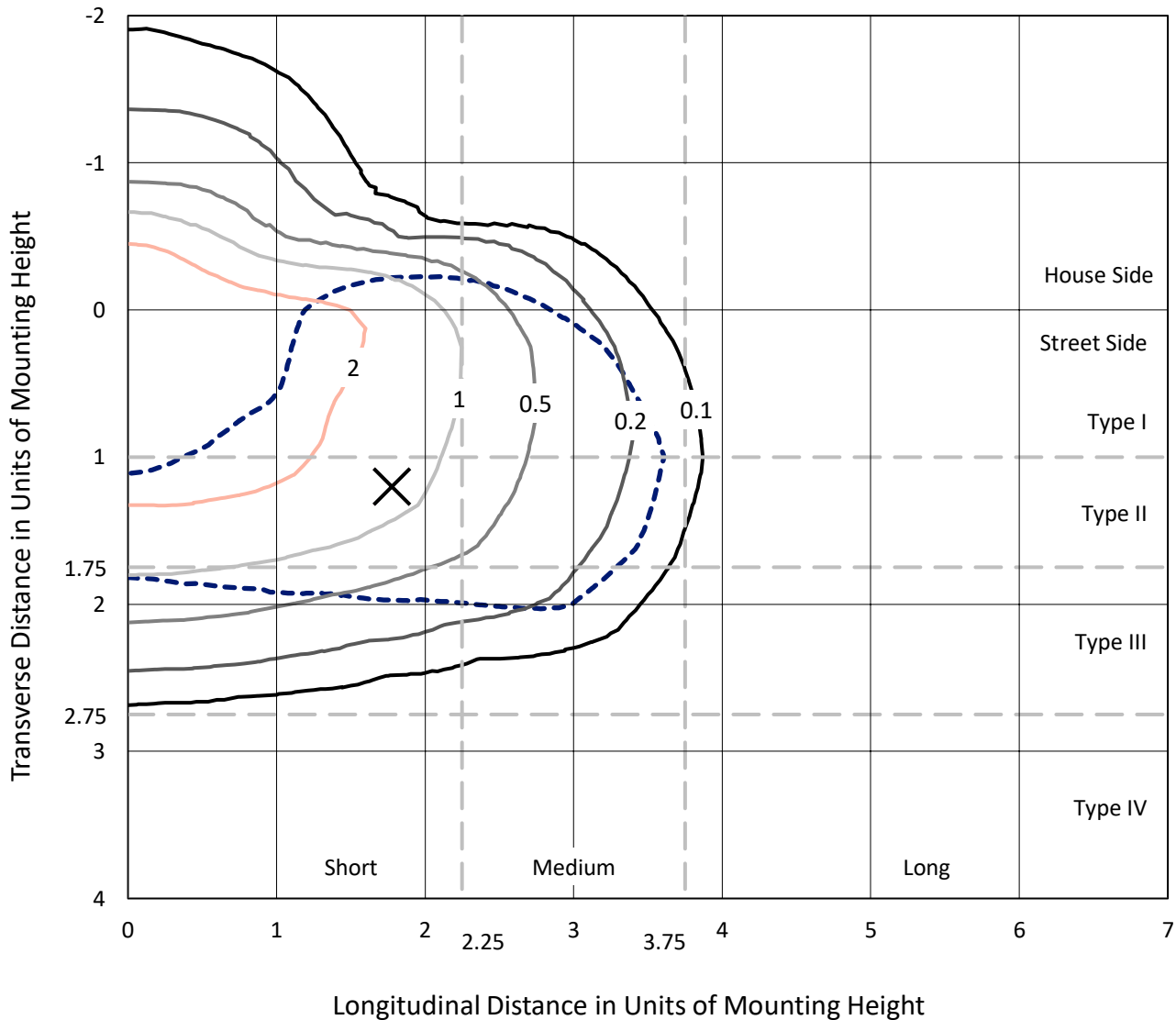
Lumens per Lamp: N/A
Luminaire Lumens: 15781.6 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.4
Input Voltage (V): 120
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: P477299
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

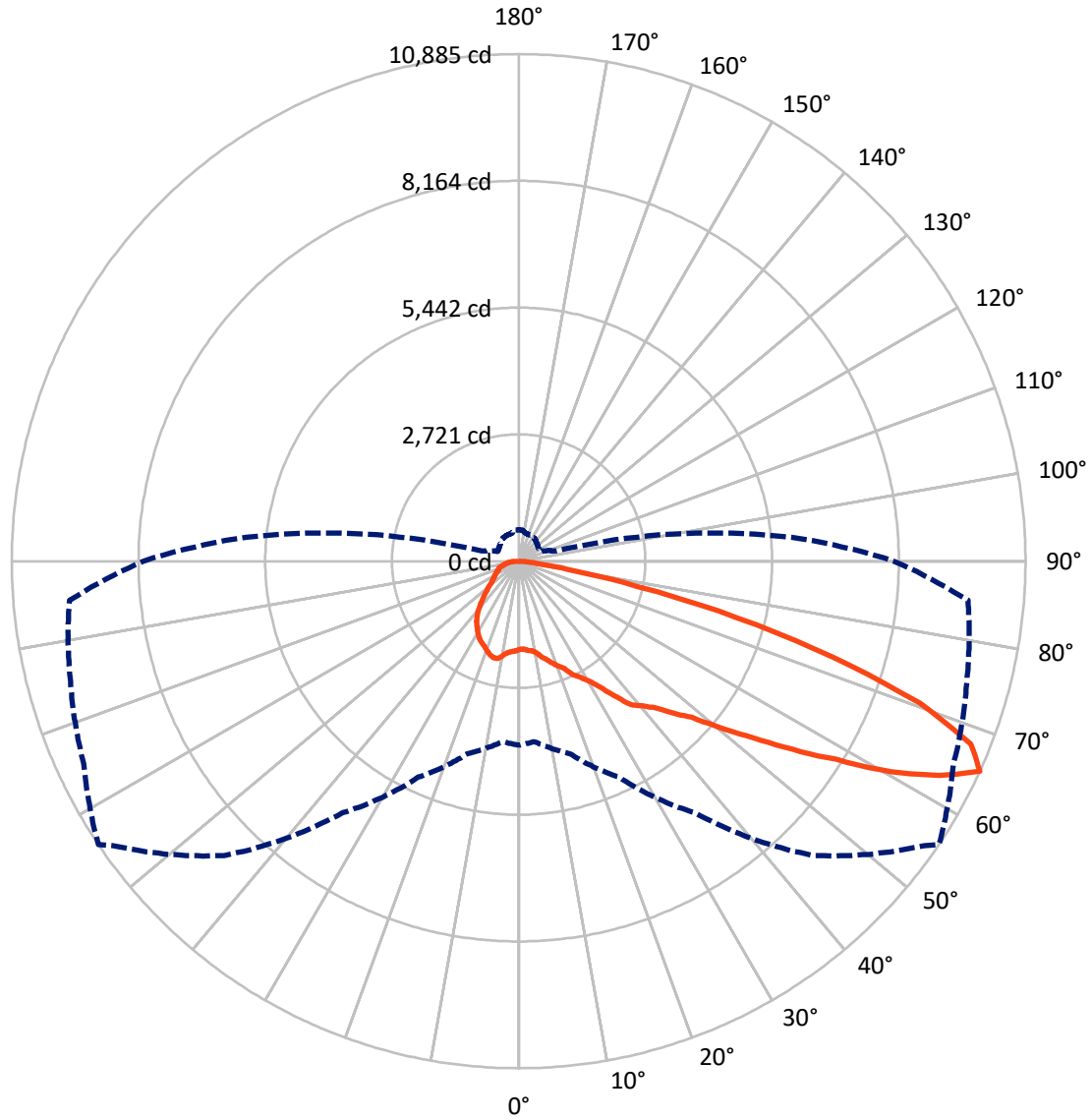
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

REPORT NUMBER: P477299
CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P477299
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

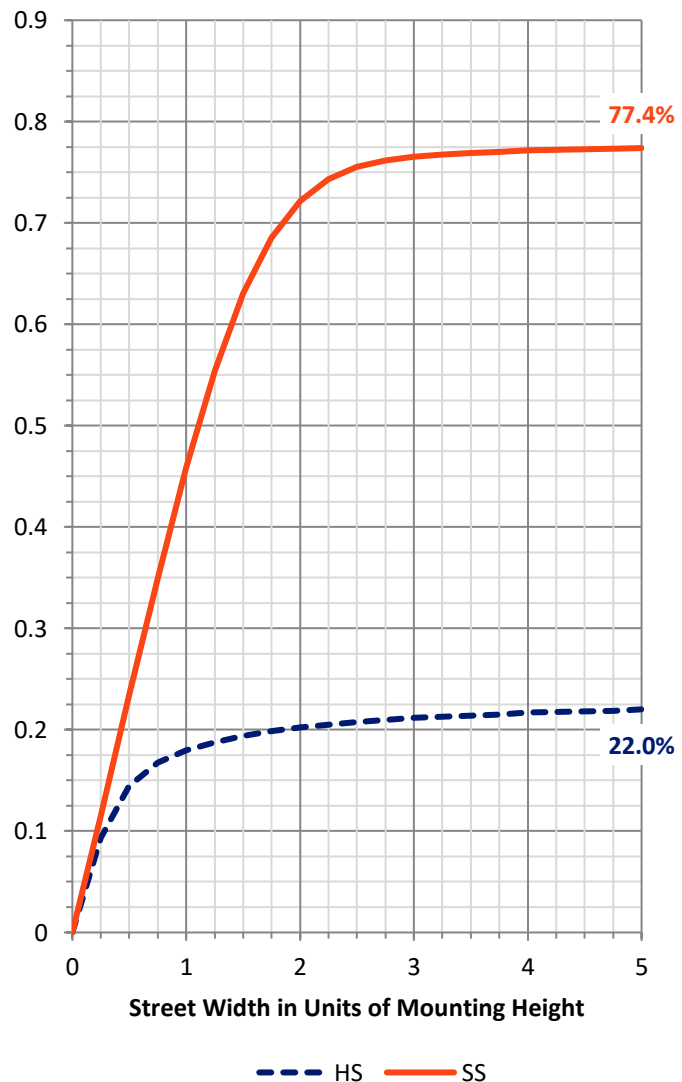
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3539.3	0.0	3539.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	12242.3	0.0	12242.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	15781.6	0.0	15781.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	1.2
10°-20°	609.5	3.9
20°-30°	1085.3	6.9
30°-40°	1625.2	10.3
40°-50°	2408.0	15.3
50°-60°	3710.3	23.5
60°-70°	4200.5	26.6
70°-80°	1743.3	11.0
80°-90°	211.8	1.3
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°	15781.6	100.0
0°-180°	15781.6	100.0

Coefficient of Utilization

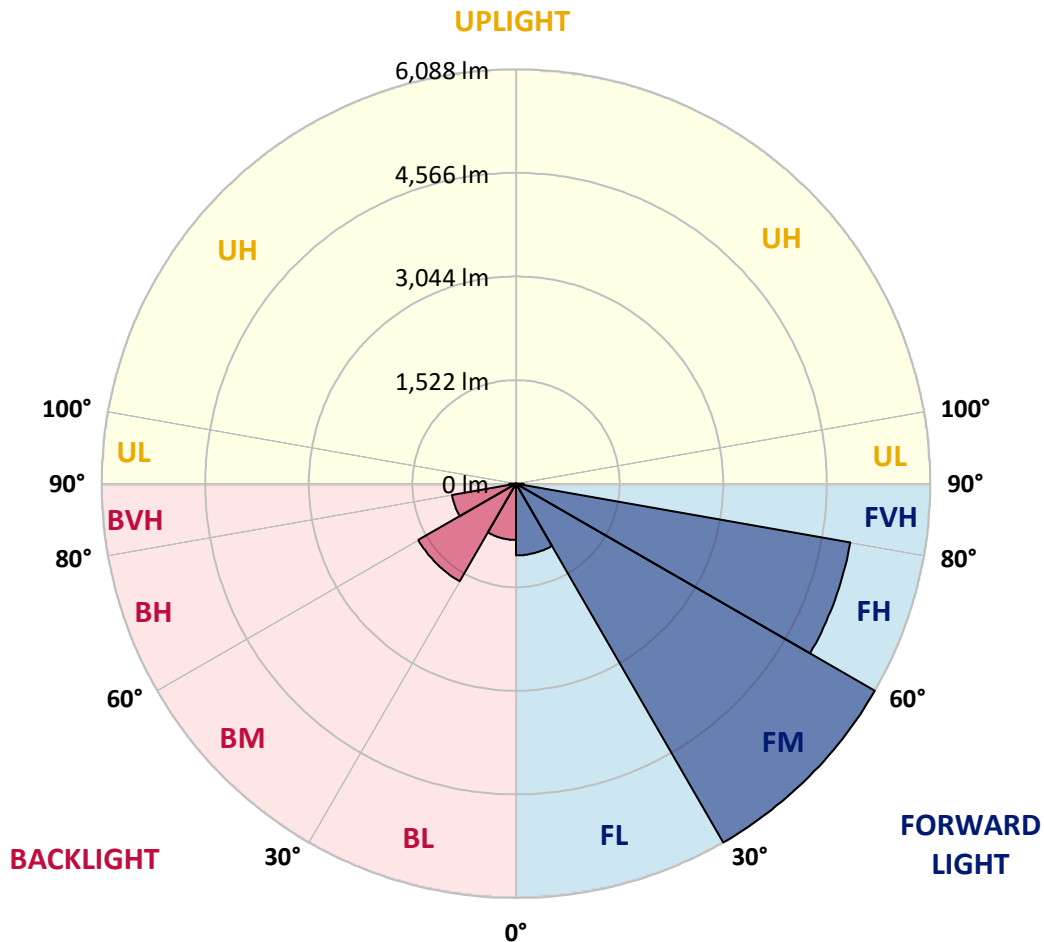


REPORT NUMBER: P477299
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.7	6.7			
FM (30°-60°)	6087.9	38.6			
FH (60°-80°)	4988.1	31.6			G2/5000
FVH (80°-90°)	111.7	0.7			G2/225
BL (0°-30°)	827.9	5.2	B2/1000		
BM (30°-60°)	1655.6	10.5	B2/2500		
BH (60°-80°)	955.7	6.1	B2/1000		G2/1000
BVH (80°-90°)	100.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





REPORT NUMBER: P477299
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2
2.5°	1844.7	1854.6	1848.0	1867.8	1884.3	1884.3	1897.5	1887.6	1900.8	1919.0
5°	1905.8	1866.2	1887.6	1897.5	1892.6	1900.8	1887.6	1920.7	1899.2	1933.9
7.5°	1920.7	1935.5	1953.7	1937.2	1952.0	1943.8	1945.4	1940.5	1928.9	1957.0
10°	2029.7	2008.2	2049.5	2024.7	2021.4	2018.1	2011.5	1986.7	2014.8	2016.5
12.5°	2155.2	2135.4	2133.7	2113.9	2140.3	2092.4	2102.3	2089.1	2094.1	2100.7
15°	2246.0	2237.8	2275.7	2252.6	2217.9	2196.5	2219.6	2183.3	2201.4	2198.1
17.5°	2426.0	2424.4	2396.3	2358.3	2338.5	2307.1	2302.2	2287.3	2300.5	2293.9
20°	2551.5	2569.7	2574.7	2530.1	2454.1	2419.4	2411.2	2399.6	2414.5	2409.5
22.5°	2743.1	2715.0	2736.5	2658.9	2630.8	2548.2	2518.5	2502.0	2573.0	2554.8
25°	2865.3	2895.0	2873.6	2847.1	2784.4	2682.0	2660.5	2696.9	2724.9	2705.1
27.5°	3141.1	3111.4	3091.6	3012.3	2971.0	2863.7	2838.9	2825.7	2832.3	2843.8
30°	3350.8	3367.4	3322.8	3266.6	3162.6	3053.6	2995.8	2984.2	2961.1	2941.3
32.5°	3649.8	3625.0	3598.6	3562.2	3473.1	3329.4	3273.2	3230.3	3160.9	3068.4
35°	3793.4	3864.5	3844.6	3747.2	3679.5	3625.0	3608.5	3542.4	3484.6	3339.3
37.5°	4032.9	4062.6	4034.6	4003.2	3971.8	3914.0	3894.2	3912.3	3798.4	3558.9
40°	4188.1	4250.9	4308.7	4221.2	4214.6	4226.1	4103.9	4082.5	3847.9	3722.4
42.5°	4505.2	4531.7	4543.2	4539.9	4577.9	4577.9	4345.0	4298.8	4132.0	4029.6
45°	4924.7	4946.2	4987.5	5017.2	4974.2	4995.7	4663.8	4645.6	4497.0	4477.2
47.5°	5288.0	5339.2	5431.7	5519.2	5575.4	5502.7	5139.4	5010.6	4972.6	5091.5
50°	5605.1	5544.0	5760.4	5849.5	6095.6	6216.2	5664.6	5613.4	5552.3	5780.2
52.5°	5636.5	5719.1	6024.6	6202.9	6710.0	6932.9	6308.6	6287.2	6212.9	6475.4
55°	5861.1	5851.2	6158.4	6544.8	7147.6	7522.5	7147.6	7134.4	6972.5	7221.9
57.5°	5823.1	5923.8	6166.6	6706.6	7542.3	8155.0	8120.3	8029.5	7803.2	8006.4
60°	5694.3	5720.7	6016.3	6701.7	7771.8	8804.0	9170.7	9188.8	8726.4	8888.2
62.5°	4964.3	5025.4	5400.3	6174.9	7608.4	9251.6	10196.2	10131.8	9761.9	9576.9
65°	3948.7	3887.6	4277.3	5114.6	6591.0	8934.5	10645.4	10884.9	10303.6	9965.0
67.5°	2421.1	2406.2	2781.1	3519.3	4931.3	7603.4	10287.0	10473.7	10153.3	9882.4
70°	1246.9	1208.9	1443.4	1963.6	3099.8	5578.7	8952.7	9136.0	9441.5	8863.5
72.5°	581.3	573.1	698.6	966.1	1578.8	3279.8	6932.9	7065.0	7709.1	7472.9
75°	341.9	346.8	417.8	505.4	769.6	1545.8	4601.0	4857.0	5555.6	5385.5
77.5°	256.0	256.0	297.3	351.8	449.2	597.8	2270.8	2609.3	3248.5	2921.5
80°	188.3	191.6	227.9	264.2	312.1	308.8	901.7	1056.9	1489.6	1273.3
82.5°	147.0	151.9	176.7	196.5	219.6	186.6	369.9	398.0	612.7	487.2
85°	102.4	105.7	138.7	133.8	133.8	104.0	153.6	161.8	242.8	231.2
87.5°	24.8	28.1	67.7	74.3	56.2	31.4	47.9	54.5	87.5	100.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477299
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1894.2	0°	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2	1894.2
1927.3	2.5°	1902.5	1909.1	1937.2	1922.3	1930.6	1895.9	1924.0	1900.8	1920.7	1910.8
1942.1	5°	1955.3	1940.5	1957.0	1945.4	1945.4	1958.7	1978.5	1963.6	1993.3	1980.1
1953.7	7.5°	1976.8	1978.5	1988.4	1990.0	1981.8	2023.1	2024.7	2019.8	2047.8	2041.2
2033.0	10°	2029.7	2031.3	2049.5	2059.4	2051.1	2066.0	2049.5	2036.3	2034.6	2028.0
2095.7	12.5°	2113.9	2130.4	2127.1	2135.4	2137.0	2074.3	2036.3	1971.9	1963.6	1971.9
2188.2	15°	2191.5	2184.9	2188.2	2204.7	2135.4	2034.6	1966.9	1912.4	1915.7	1917.4
2308.8	17.5°	2284.0	2288.9	2293.9	2217.9	2090.8	1971.9	1912.4	1912.4	1895.9	1902.5
2393.0	20°	2389.7	2369.9	2326.9	2219.6	2013.2	1899.2	1881.0	1881.0	1861.2	1848.0
2483.8	22.5°	2472.3	2432.6	2368.2	2168.4	1943.8	1871.1	1826.5	1795.2	1772.0	1745.6
2584.6	25°	2525.1	2503.6	2378.1	2115.5	1892.6	1796.8	1730.7	1682.9	1653.1	1618.4
2663.8	27.5°	2606.0	2564.7	2406.2	2054.4	1836.4	1722.5	1620.1	1545.8	1489.6	1453.3
2784.4	30°	2715.0	2655.6	2386.4	1966.9	1750.6	1593.7	1473.1	1377.3	1312.9	1283.2
2898.3	32.5°	2804.2	2726.6	2369.9	1887.6	1654.8	1463.2	1303.0	1205.6	1169.2	1131.3
3089.9	35°	2974.3	2820.7	2358.3	1843.0	1568.9	1332.7	1164.3	1080.1	1033.8	977.7
3203.9	37.5°	3104.8	2984.2	2330.2	1750.6	1458.3	1205.6	1058.6	982.6	913.3	853.8
3468.1	40°	3309.6	3212.1	2331.9	1620.1	1327.8	1096.6	976.0	896.8	809.2	758.0
3859.5	42.5°	3694.4	3436.7	2341.8	1516.1	1180.8	1007.4	901.7	807.6	720.0	677.1
4305.4	45°	4166.7	3745.5	2280.7	1421.9	1030.5	923.2	812.5	718.4	662.2	630.9
4911.5	47.5°	4710.0	4047.8	2198.1	1245.2	905.0	834.0	730.0	675.5	634.2	616.0
5692.6	50°	5317.8	4480.5	2175.0	1083.4	807.6	758.0	690.3	649.0	621.0	599.5
6572.9	52.5°	6100.6	4984.2	2128.8	916.6	723.3	696.9	675.5	647.4	622.6	604.4
7393.7	55°	6848.7	5542.4	2079.2	779.5	663.9	667.2	678.8	654.0	632.5	604.4
8313.5	57.5°	7690.9	6112.1	1895.9	678.8	619.3	652.3	675.5	647.4	625.9	604.4
9254.9	60°	8211.1	6432.5	1537.5	591.2	579.7	624.3	655.6	625.9	602.8	611.0
9687.6	62.5°	8422.5	6264.1	1159.3	536.7	551.6	586.3	624.3	612.7	596.2	627.6
9682.6	65°	8062.5	5876.0	829.0	490.5	513.6	548.3	596.2	609.4	614.3	675.5
8893.2	67.5°	7174.0	5116.3	609.4	452.5	474.0	525.2	616.0	637.5	634.2	710.1
7463.0	70°	5740.5	4001.5	475.6	421.1	459.1	543.3	644.1	644.1	621.0	710.1
5692.6	72.5°	4176.6	2820.7	409.6	384.8	421.1	498.7	640.8	639.1	609.4	649.0
3625.0	75°	2528.4	1641.6	361.7	348.5	361.7	427.7	612.7	602.8	561.5	558.2
1744.0	77.5°	1260.1	825.7	295.6	308.8	315.4	358.4	538.4	553.2	497.1	483.9
688.7	80°	531.8	360.0	246.1	265.9	265.9	302.2	447.6	457.5	412.9	388.1
272.5	82.5°	242.8	206.4	209.7	231.2	216.3	234.5	355.1	366.6	335.2	294.0
115.6	85°	102.4	117.3	160.2	181.7	160.2	151.9	244.4	257.6	218.0	181.7
49.5	87.5°	46.2	64.4	100.7	132.1	80.9	71.0	130.5	135.4	109.0	80.9
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>
1894.2
1892.6
1962.0
2031.3
2028.0
1975.2
1940.5
1904.2
1828.2
1730.7
1625.1
1469.8
1299.7
1129.6
972.7
855.5
763.0
680.4
637.5
612.7
602.8
602.8
602.8
602.8
604.4
619.3
675.5
715.1
695.3
625.9
551.6
475.6
379.8
287.4
183.3
76.0
0.0

F REPORT)