

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: P852305

Luminaire Tested: **GLAN-SB2D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16654 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

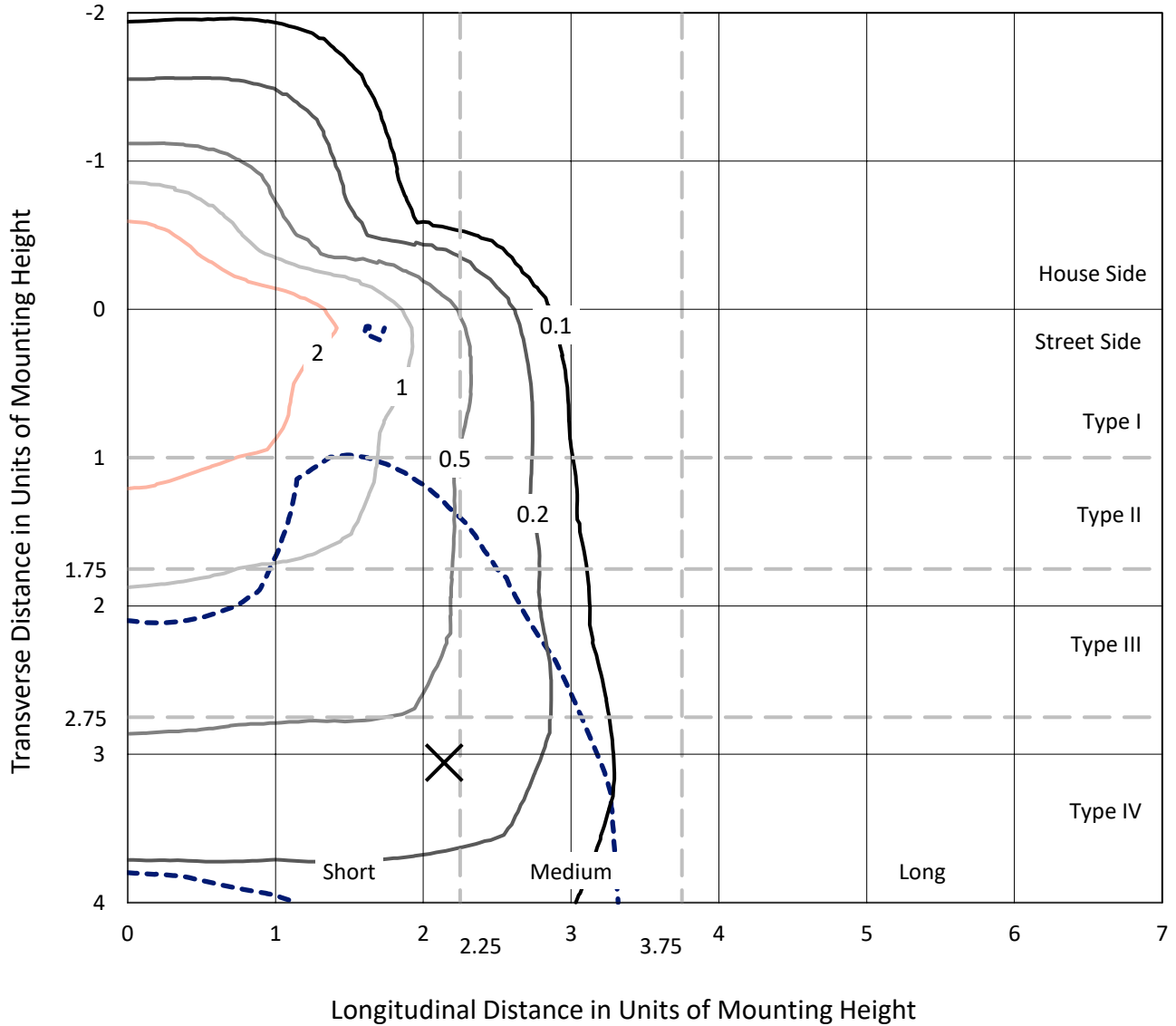
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852305
 CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

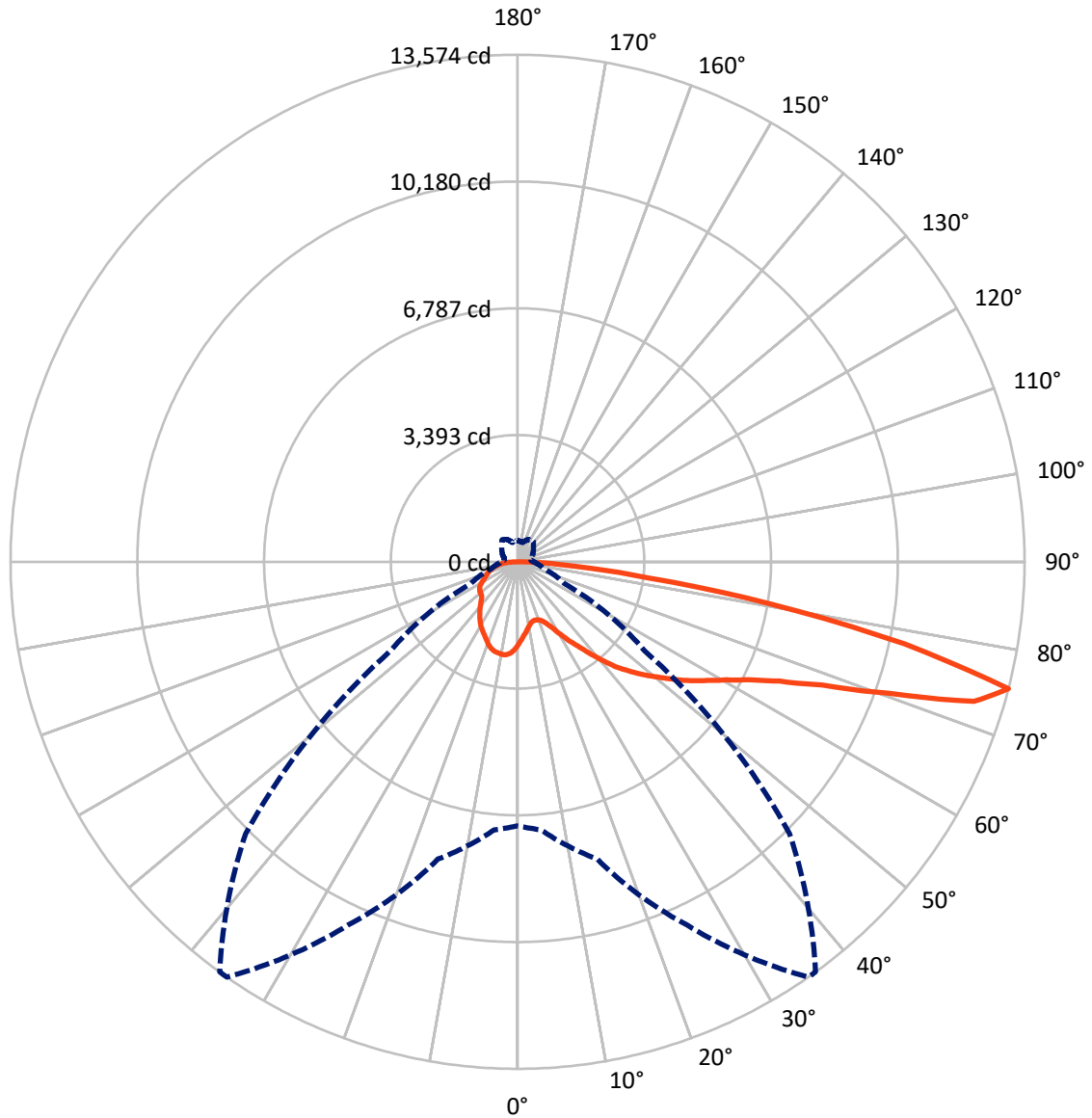
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P852305
CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852305
 CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

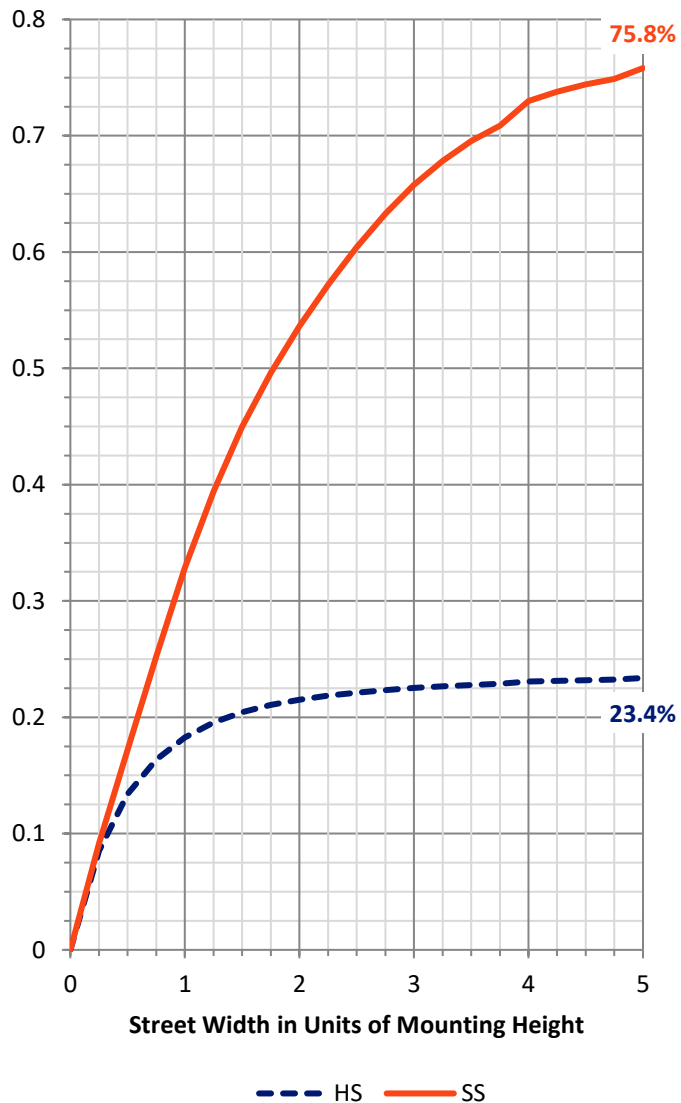
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3963.2	0.0	3963.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	12690.8	0.0	12690.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	16654.0	0.0	16654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	1.3
10°-20°	606.1	3.6
20°-30°	1017.8	6.1
30°-40°	1581.7	9.5
40°-50°	2347.7	14.1
50°-60°	3241.2	19.5
60°-70°	3932.3	23.6
70°-80°	3249.7	19.5
80°-90°	467.4	2.8
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°	16654.0	100.0
0°-180°	16654.0	100.0

Coefficient of Utilization



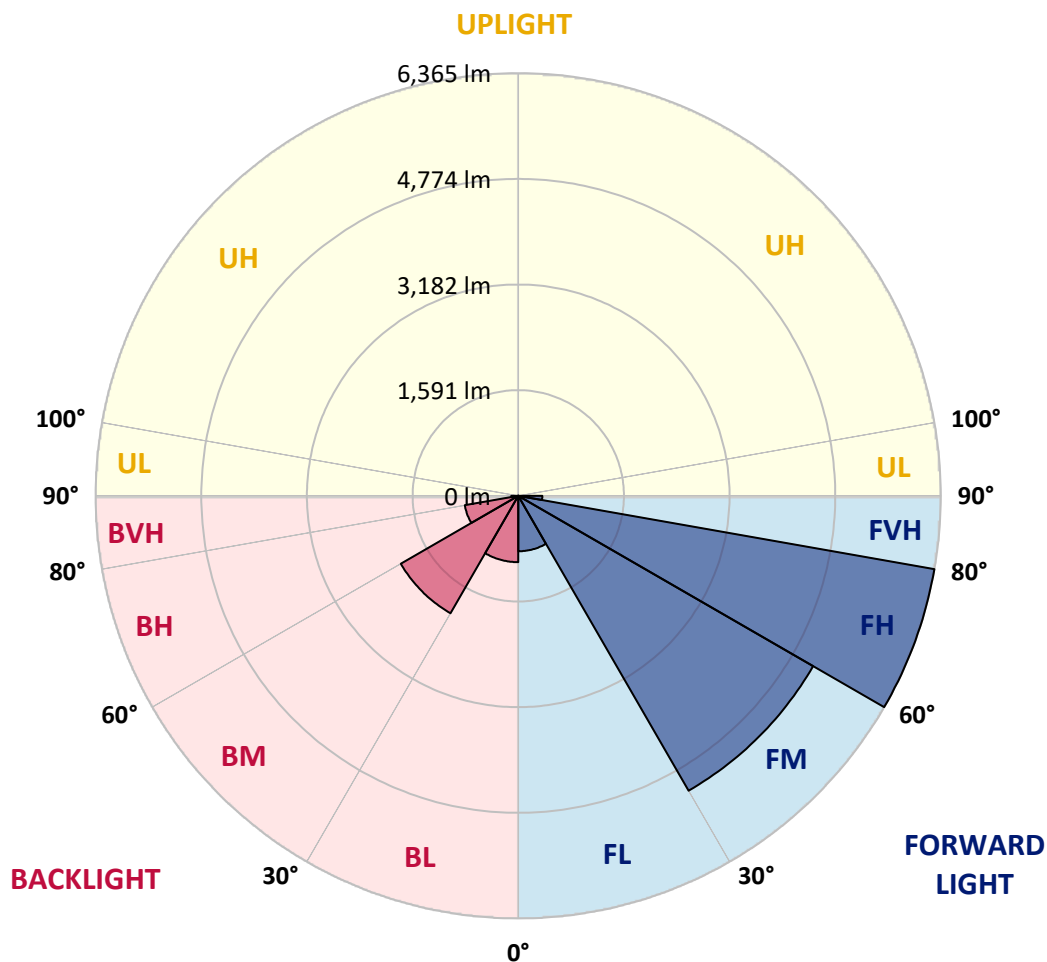
REPORT NUMBER: P852305
 CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.2	5.0			
FM (30°-60°)	5128.5	30.8			
FH (60°-80°)	6364.9	38.2			G3/7500
FVH (80°-90°)	362.2	2.2			G3/500
BL (0°-30°)	998.8	6.0	B2/1000		
BM (30°-60°)	2042.1	12.3	B2/2500		
BH (60°-80°)	817.1	4.9	B2/1000		G2/1000
BVH (80°-90°)	105.2	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-G3

Type IV Short



REPORT NUMBER: P852305
 CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3
2.5°	2046.4	2059.0	2064.4	2061.7	2075.2	2073.4	2092.3	2115.7	2148.1	2179.6
5°	1888.8	1902.3	1914.1	1924.9	1951.0	1959.1	1988.8	2033.8	2093.2	2153.5
7.5°	1742.1	1753.8	1771.8	1791.6	1835.7	1843.8	1893.3	1963.6	2046.4	2134.6
10°	1622.4	1634.1	1653.0	1675.5	1730.4	1740.3	1803.3	1896.9	2005.0	2116.6
12.5°	1571.0	1574.6	1585.4	1607.9	1655.7	1662.0	1731.3	1838.4	1964.5	2103.1
15°	1568.3	1575.5	1576.4	1588.1	1627.8	1630.5	1694.4	1800.6	1939.3	2100.4
17.5°	1595.3	1600.7	1592.6	1599.8	1633.2	1637.7	1688.1	1782.6	1931.2	2112.1
20°	1667.4	1671.9	1647.6	1637.7	1662.0	1665.6	1715.1	1794.3	1939.3	2136.4
22.5°	1820.4	1823.1	1763.7	1723.2	1725.0	1726.8	1770.0	1842.0	1970.8	2180.5
25°	2059.0	2057.2	1962.7	1884.3	1839.3	1829.4	1858.2	1919.5	2023.9	2239.1
27.5°	2338.1	2324.6	2230.1	2113.0	2014.9	2000.5	1994.2	2020.3	2099.5	2316.5
30°	2653.2	2640.6	2538.9	2385.8	2249.9	2226.5	2167.0	2153.5	2212.1	2421.8
32.5°	2998.9	2990.8	2869.3	2683.8	2502.0	2474.9	2375.0	2339.0	2384.9	2581.2
35°	3288.8	3281.6	3180.8	2989.9	2767.5	2734.2	2632.5	2592.0	2615.4	2785.6
37.5°	3550.8	3547.2	3460.8	3310.4	3080.9	3040.3	2926.0	2912.5	2908.0	3054.7
40°	3793.9	3784.9	3694.9	3615.6	3445.5	3408.6	3307.7	3296.0	3261.8	3386.1
42.5°	4063.1	4039.7	3909.1	3872.2	3826.3	3795.7	3735.4	3737.2	3661.6	3759.7
45°	4282.8	4269.3	4135.1	4113.5	4163.0	4150.4	4202.6	4216.1	4069.4	4151.3
47.5°	4518.6	4506.0	4392.6	4377.3	4511.4	4515.0	4699.6	4704.1	4467.3	4558.3
50°	4809.4	4791.4	4678.9	4697.8	4848.2	4861.7	5199.3	5168.7	4833.8	4971.5
52.5°	5001.2	5012.0	4987.7	5018.3	5223.6	5236.2	5690.8	5612.5	5196.6	5379.3
55°	5142.6	5164.2	5239.8	5310.0	5619.7	5632.3	6154.5	6034.8	5497.3	5757.5
57.5°	5324.4	5293.8	5435.2	5572.0	5996.0	6029.4	6605.6	6441.7	5763.8	6083.4
60°	5585.5	5563.9	5673.7	5876.3	6417.4	6470.5	7082.7	6808.1	5959.1	6341.8
62.5°	6114.9	6060.9	6078.0	6257.1	6948.6	7018.8	7621.1	7127.7	6056.4	6442.6
65°	6906.3	6813.5	6727.1	6851.3	7696.7	7766.1	8228.8	7378.9	6020.4	6247.2
67.5°	7902.9	7811.1	7704.8	7821.9	8798.7	8853.6	8978.8	7520.3	5736.8	5494.6
70°	8724.9	8690.7	8817.6	9299.3	10558.8	10560.6	9940.3	7403.2	4959.8	3895.6
72.5°	8615.9	8595.2	9264.2	10753.3	12777.2	12729.4	10850.5	6517.3	3341.0	1757.4
75°	7068.3	7202.5	8238.7	10727.2	13573.9	13567.6	10293.2	4143.2	1382.0	728.3
77.5°	3790.3	4002.8	5348.7	7920.0	10596.6	10756.0	7236.7	1449.5	593.3	466.4
80°	1236.1	1421.6	2131.9	4032.5	6885.6	6855.8	3101.6	569.0	406.0	330.4
82.5°	524.9	546.5	952.5	1904.2	3533.7	3478.8	987.6	326.8	285.4	226.0
85°	205.3	229.6	420.4	880.5	1530.5	1497.2	356.5	162.1	182.8	147.7
87.5°	67.5	81.9	150.4	301.6	476.3	459.2	87.3	55.8	79.2	67.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852305
 CATALOG NUMBER: GLAN-SB2D-835-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2219.3	0°	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3	2219.3
2225.6	2.5°	2238.2	2252.6	2269.7	2294.9	2316.5	2334.5	2353.4	2365.1	2369.6	2383.1
2229.2	5°	2254.4	2285.9	2328.2	2369.6	2410.1	2434.4	2456.0	2466.8	2476.7	2483.9
2239.1	7.5°	2281.4	2321.9	2388.5	2442.5	2476.7	2496.6	2511.0	2507.4	2511.0	2512.8
2249.9	10°	2304.8	2361.5	2440.7	2492.1	2518.2	2519.1	2515.5	2502.9	2496.6	2497.5
2266.1	12.5°	2332.7	2395.7	2481.2	2524.5	2531.7	2511.9	2496.6	2474.9	2466.8	2463.2
2290.4	15°	2370.5	2442.5	2525.4	2541.6	2523.6	2498.4	2472.2	2437.1	2419.1	2404.7
2331.8	17.5°	2416.4	2495.7	2559.6	2547.9	2509.2	2467.7	2425.4	2372.3	2335.4	2320.1
2388.5	20°	2480.3	2551.5	2585.7	2534.4	2475.8	2412.8	2340.8	2276.0	2241.8	2226.5
2460.5	22.5°	2557.8	2626.2	2610.9	2511.0	2428.1	2327.3	2237.3	2189.5	2172.4	2161.6
2553.3	25°	2650.5	2709.0	2628.9	2476.7	2349.8	2213.9	2144.5	2129.2	2121.1	2113.0
2666.7	27.5°	2771.1	2802.7	2642.4	2426.3	2227.4	2093.2	2068.0	2070.7	2068.0	2054.5
2824.3	30°	2930.5	2924.2	2655.0	2344.4	2086.9	1984.3	1986.1	1997.8	1999.6	1990.6
3043.9	32.5°	3140.3	3076.4	2661.3	2238.2	1952.8	1888.8	1890.6	1903.3	1912.3	1896.9
3331.1	35°	3394.2	3253.7	2651.4	2104.9	1849.2	1797.9	1784.4	1788.0	1790.7	1776.3
3679.6	37.5°	3690.4	3452.7	2607.3	1957.3	1763.7	1708.8	1680.0	1655.7	1641.3	1627.8
4073.9	40°	4015.4	3669.7	2526.3	1813.2	1668.3	1614.3	1571.0	1525.1	1476.5	1458.5
4491.6	42.5°	4355.7	3892.9	2428.1	1675.5	1558.4	1514.3	1468.4	1401.8	1328.9	1291.9
4925.6	45°	4708.6	4121.6	2331.8	1539.5	1445.9	1427.0	1373.9	1293.7	1214.5	1167.7
5360.4	47.5°	5054.3	4337.7	2190.4	1402.7	1340.6	1361.3	1319.9	1246.0	1157.8	1084.0
5791.7	50°	5384.7	4540.3	1959.1	1264.0	1255.0	1341.5	1301.8	1195.6	1094.8	1000.2
6214.8	52.5°	5712.5	4704.1	1662.9	1138.0	1209.1	1336.1	1278.4	1161.4	1038.1	939.0
6612.8	55°	5990.6	4788.7	1377.5	1030.0	1142.5	1290.1	1250.5	1120.9	957.9	852.6
6885.6	57.5°	6149.1	4720.3	1139.8	923.7	1050.7	1214.5	1202.8	1034.5	862.5	781.5
6938.7	60°	6080.7	4443.0	945.3	831.0	963.3	1132.6	1120.0	948.9	789.6	713.0
6654.2	62.5°	5703.4	3914.5	791.4	750.0	884.1	1048.9	1037.2	883.2	733.8	659.9
5898.8	65°	4943.6	3184.4	671.6	682.4	804.0	948.0	965.1	828.3	689.6	617.6
4563.7	67.5°	3770.5	2306.6	578.0	623.9	725.6	849.0	898.5	788.7	652.7	584.3
2640.6	70°	2149.0	1309.9	498.8	567.2	656.3	757.2	847.2	757.2	613.1	556.4
989.4	72.5°	814.8	601.4	431.2	510.5	589.7	679.7	790.5	707.6	567.2	524.9
511.4	75°	434.8	366.4	362.8	443.9	513.2	604.1	719.3	659.0	533.0	554.6
353.8	77.5°	296.2	259.3	303.4	379.9	429.4	520.4	643.7	585.2	461.9	460.1
244.9	80°	205.3	183.7	246.7	306.1	332.2	437.5	561.8	502.4	376.3	351.1
151.3	82.5°	123.3	119.7	184.6	228.7	235.0	337.6	465.5	421.3	307.9	268.3
90.0	85°	67.5	71.1	117.9	134.1	136.8	235.9	364.6	325.9	236.8	199.0
32.4	87.5°	18.9	24.3	43.2	53.1	65.7	122.4	217.0	193.6	118.8	82.8
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

180°
2219.3
2382.2
2485.7
2515.5
2499.3
2461.4
2409.2
2321.0
2224.7
2163.4
2113.0
2057.2
1995.1
1904.2
1786.2
1636.8
1466.6
1296.4
1164.1
1075.9
992.1
928.2
843.6
770.7
702.2
648.2
605.9
573.5
549.2
517.7
572.6
424.0
335.8
270.1
200.8
82.8
0.0

F REPORT)