

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: P852585

Luminaire Tested: **GLAN-SB4D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852585
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-SB4D-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27194 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

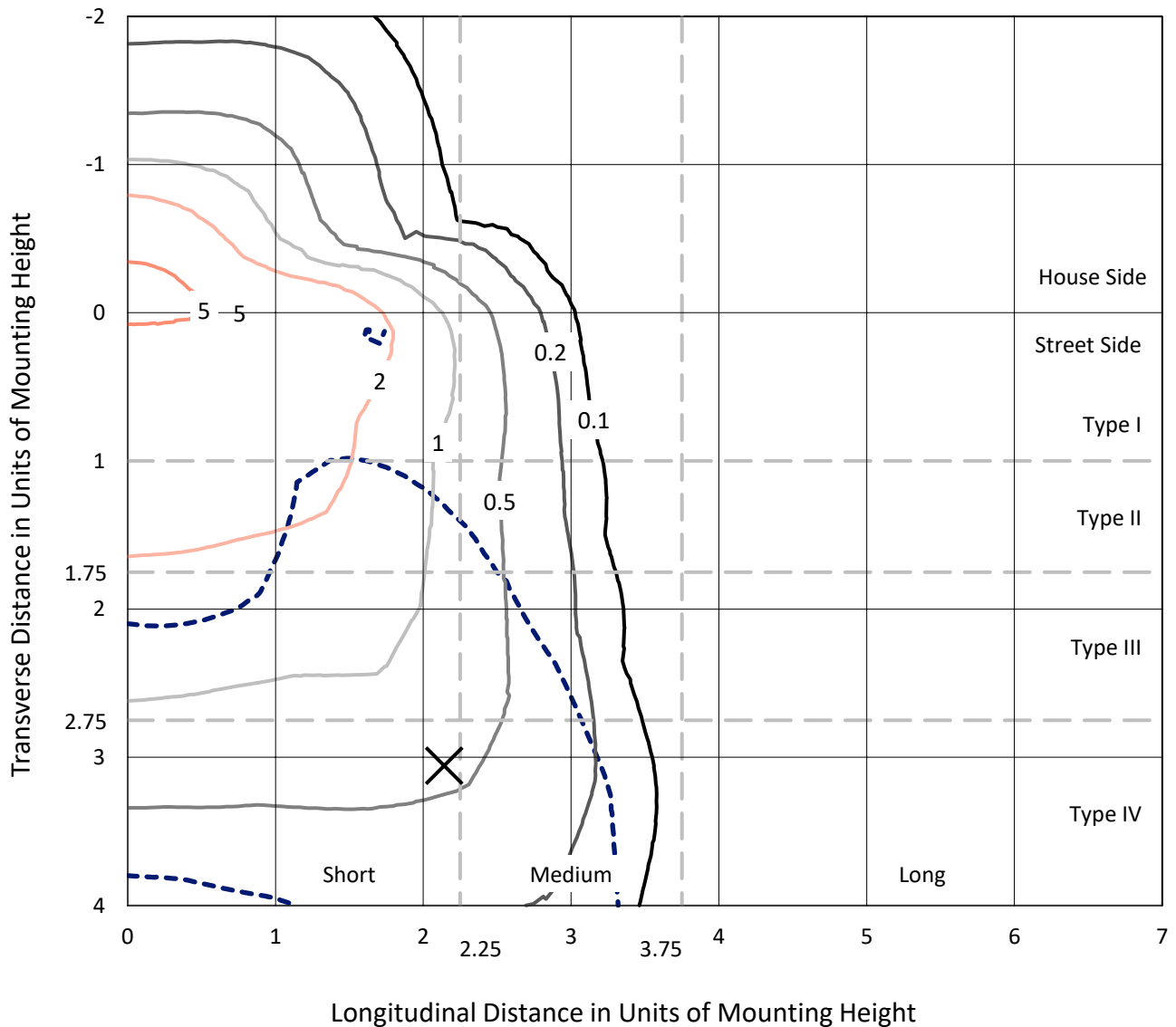
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852585
 CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

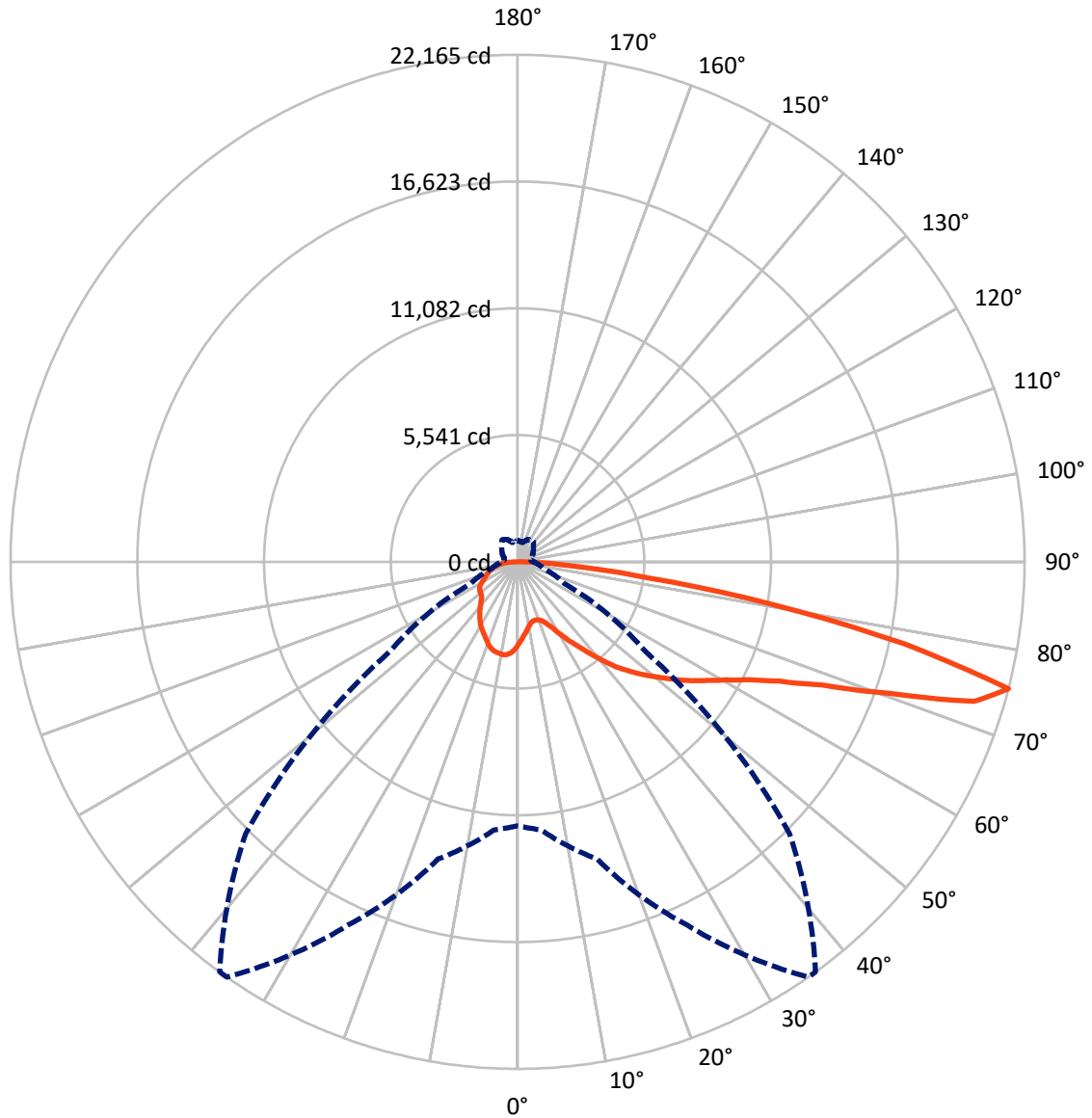
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852585
CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852585
 CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

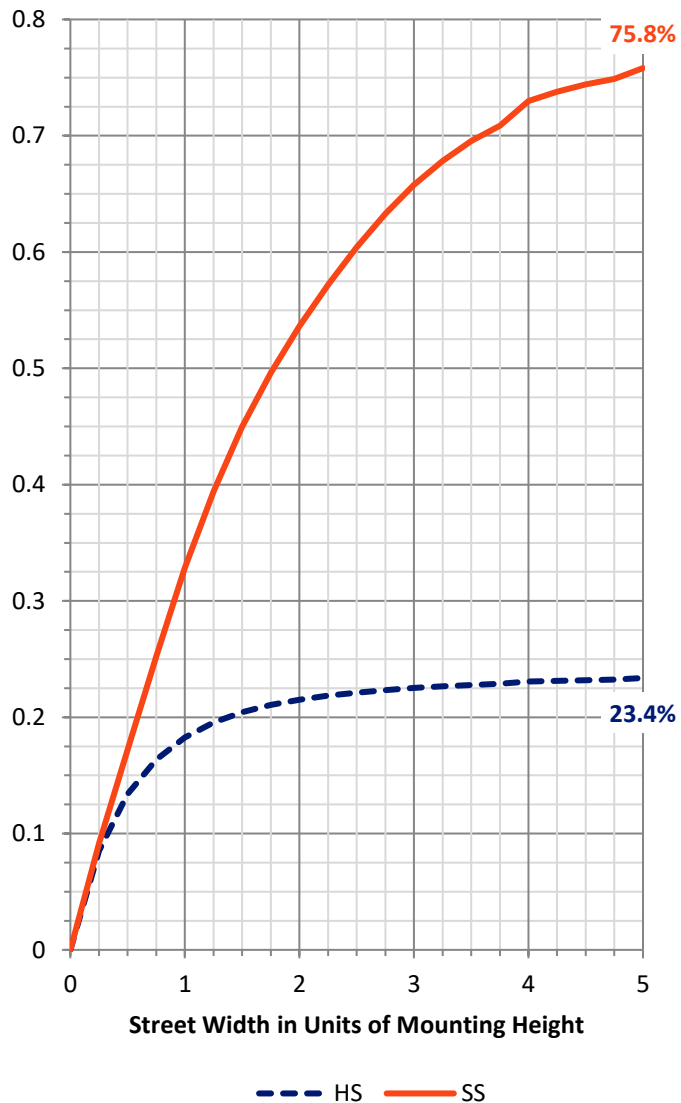
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6471.5	0.0	6471.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20722.5	0.0	20722.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	27194.0	0.0	27194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	1.3
10°-20°	989.6	3.6
20°-30°	1661.9	6.1
30°-40°	2582.8	9.5
40°-50°	3833.5	14.1
50°-60°	5292.4	19.5
60°-70°	6420.9	23.6
70°-80°	5306.4	19.5
80°-90°	763.2	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°	27194.0	100.0
0°-180°	27194.0	100.0

Coefficient of Utilization

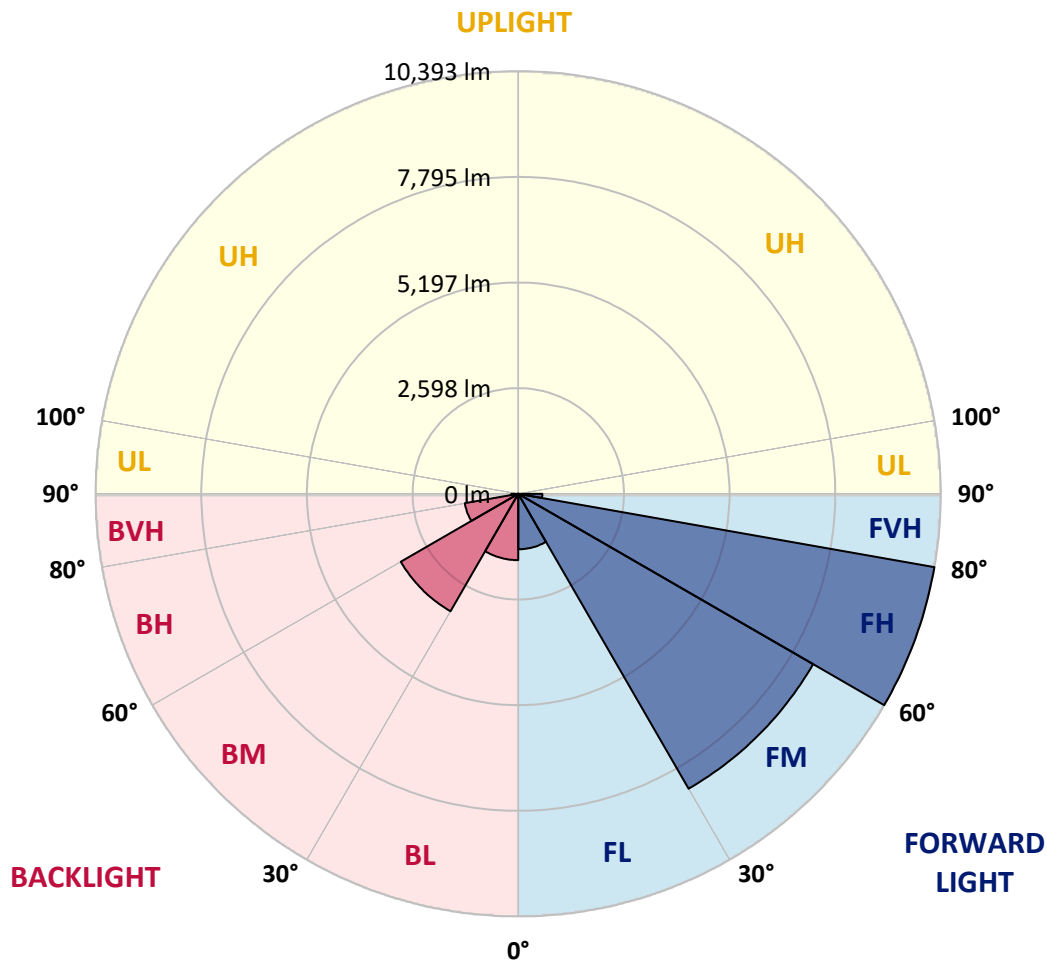


REPORT NUMBER: P852585
 CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.7	5.0			
FM (30°-60°)	8374.3	30.8			
FH (60°-80°)	10393.1	38.2			G4/12000
FVH (80°-90°)	591.4	2.2			G4/750
BL (0°-30°)	1630.9	6.0	B3/2500		
BM (30°-60°)	3334.5	12.3	B3/5000		
BH (60°-80°)	1334.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	171.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



REPORT NUMBER: P852585
 CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8
2.5°	3341.5	3362.1	3370.9	3366.5	3388.6	3385.6	3416.5	3454.7	3507.6	3559.1
5°	3084.3	3106.3	3125.4	3143.1	3185.7	3198.9	3247.4	3320.9	3418.0	3516.5
7.5°	2844.6	2863.7	2893.1	2925.5	2997.5	3010.8	3091.6	3206.3	3341.5	3485.6
10°	2649.1	2668.2	2699.1	2735.8	2825.5	2841.7	2944.6	3097.5	3273.9	3456.2
12.5°	2565.3	2571.2	2588.8	2625.6	2703.5	2713.8	2827.0	3001.9	3207.7	3434.1
15°	2560.9	2572.7	2574.1	2593.2	2657.9	2662.3	2766.7	2940.2	3166.6	3429.7
17.5°	2605.0	2613.8	2600.6	2612.4	2666.8	2674.1	2756.4	2910.8	3153.4	3448.8
20°	2722.6	2730.0	2690.3	2674.1	2713.8	2719.7	2800.5	2929.9	3166.6	3488.5
22.5°	2972.5	2976.9	2879.9	2813.8	2816.7	2819.6	2890.2	3007.8	3218.0	3560.6
25°	3362.1	3359.2	3204.8	3076.9	3003.4	2987.2	3034.3	3134.2	3304.8	3656.1
27.5°	3817.8	3795.8	3641.4	3450.3	3290.1	3266.6	3256.3	3298.9	3428.3	3782.6
30°	4332.4	4311.8	4145.7	3895.8	3673.8	3635.5	3538.5	3516.5	3612.0	3954.6
32.5°	4896.9	4883.7	4685.2	4382.4	4085.4	4041.3	3878.1	3819.3	3894.3	4214.8
35°	5370.3	5358.5	5193.8	4882.2	4519.1	4464.7	4298.6	4232.4	4270.6	4548.5
37.5°	5798.1	5792.2	5651.0	5405.5	5030.7	4964.5	4777.8	4755.8	4748.4	4988.0
40°	6195.0	6180.3	6033.3	5903.9	5626.1	5565.8	5401.1	5382.0	5326.2	5529.0
42.5°	6634.5	6596.3	6383.2	6322.9	6247.9	6197.9	6099.4	6102.4	5978.9	6139.1
45°	6993.2	6971.2	6752.1	6716.9	6797.7	6777.1	6862.4	6884.5	6644.8	6778.6
47.5°	7378.4	7357.8	7172.6	7147.6	7366.6	7372.5	7673.9	7681.2	7294.6	7443.1
50°	7853.2	7823.8	7640.1	7671.0	7916.5	7938.5	8489.8	8439.8	7892.9	8117.9
52.5°	8166.4	8184.0	8144.3	8194.3	8529.5	8550.1	9292.5	9164.6	8485.4	8783.8
55°	8397.2	8432.5	8556.0	8670.6	9176.3	9196.9	10049.6	9854.0	8976.4	9401.3
57.5°	8694.1	8644.2	8875.0	9098.4	9790.8	9845.2	10786.1	10518.5	9411.5	9933.4
60°	9120.5	9085.2	9264.5	9595.3	10478.8	10565.6	11565.2	11116.9	9730.6	10355.3
62.5°	9984.9	9896.7	9924.6	10217.2	11346.2	11460.9	12444.4	11638.7	9889.3	10520.0
65°	11277.1	11125.7	10984.6	11187.4	12567.8	12681.0	13436.7	12048.9	9830.5	10201.0
67.5°	12904.5	12754.5	12581.1	12772.2	14367.2	14456.9	14661.3	12279.7	9367.4	8972.0
70°	14246.7	14190.8	14398.1	15184.6	17241.3	17244.2	16231.3	12088.6	8098.8	6361.1
72.5°	14068.8	14035.0	15127.3	17558.8	20863.6	20785.7	17717.6	10642.0	5455.5	2869.6
75°	11541.7	11760.8	13452.8	17516.2	22164.6	22154.3	16807.6	6765.4	2256.6	1189.3
77.5°	6189.1	6536.0	8733.8	12932.4	17303.0	17563.2	11816.6	2366.9	968.8	761.5
80°	2018.4	2321.3	3481.2	6584.6	11243.3	11194.8	5064.5	929.1	663.0	539.5
82.5°	857.1	892.3	1555.4	3109.3	5770.1	5680.4	1612.7	533.6	466.0	369.0
85°	335.2	374.9	686.5	1437.8	2499.2	2444.8	582.2	264.6	298.4	241.1
87.5°	110.3	133.8	245.5	492.5	777.7	749.7	142.6	91.1	129.4	110.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852585
 CATALOG NUMBER: GLAN-SB4D-930-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3623.8	0°	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8
3634.1	2.5°	3654.7	3678.2	3706.1	3747.3	3782.6	3812.0	3842.8	3861.9	3869.3	3891.3
3640.0	5°	3681.1	3732.6	3801.7	3869.3	3935.4	3975.1	4010.4	4028.1	4044.2	4056.0
3656.1	7.5°	3725.2	3791.4	3900.2	3988.4	4044.2	4076.6	4100.1	4094.2	4100.1	4103.0
3673.8	10°	3763.4	3856.1	3985.4	4069.2	4111.9	4113.3	4107.4	4086.9	4076.6	4078.0
3700.2	12.5°	3809.0	3911.9	4051.6	4122.1	4133.9	4101.6	4076.6	4041.3	4028.1	4022.2
3739.9	15°	3870.8	3988.4	4123.6	4150.1	4120.7	4079.5	4036.9	3979.5	3950.1	3926.6
3807.5	17.5°	3945.7	4075.1	4179.5	4160.4	4097.2	4029.5	3960.4	3873.7	3813.4	3788.4
3900.2	20°	4050.1	4166.2	4222.1	4138.3	4042.8	3939.9	3822.2	3716.4	3660.5	3635.5
4017.8	22.5°	4176.5	4288.3	4263.3	4100.1	3964.8	3800.2	3653.2	3575.3	3547.3	3529.7
4169.2	25°	4328.0	4423.5	4292.7	4044.2	3836.9	3615.0	3501.8	3476.8	3463.5	3450.3
4354.4	27.5°	4525.0	4576.4	4314.7	3961.9	3637.0	3418.0	3376.8	3381.2	3376.8	3354.8
4611.7	30°	4785.2	4774.9	4335.3	3828.1	3407.7	3240.1	3243.0	3262.1	3265.1	3250.4
4970.4	32.5°	5127.7	5023.3	4345.6	3654.7	3188.6	3084.3	3087.2	3107.8	3122.5	3097.5
5439.4	35°	5542.3	5312.9	4329.4	3437.1	3019.6	2935.8	2913.7	2919.6	2924.0	2900.5
6008.3	37.5°	6025.9	5637.8	4257.4	3196.0	2879.9	2790.2	2743.2	2703.5	2680.0	2657.9
6652.2	40°	6556.6	5992.1	4125.1	2960.8	2724.1	2635.9	2565.3	2490.3	2411.0	2381.6
7334.3	42.5°	7112.3	6356.7	3964.8	2735.8	2544.7	2472.7	2397.7	2288.9	2169.9	2109.6
8042.9	45°	7688.6	6730.1	3807.5	2513.9	2361.0	2330.1	2243.4	2112.5	1983.2	1906.7
8752.9	47.5°	8253.1	7082.9	3576.7	2290.4	2189.0	2222.8	2155.2	2034.6	1890.5	1770.0
9457.1	50°	8792.6	7413.7	3198.9	2064.0	2049.3	2190.4	2125.8	1952.3	1787.6	1633.3
10148.1	52.5°	9327.8	7681.2	2715.3	1858.2	1974.3	2181.6	2087.5	1896.4	1695.0	1533.3
10797.8	55°	9782.0	7819.4	2249.2	1681.8	1865.6	2106.6	2042.0	1830.3	1564.2	1392.2
11243.3	57.5°	10040.7	7707.7	1861.1	1508.3	1715.6	1983.2	1964.0	1689.1	1408.4	1276.0
11330.0	60°	9929.0	7254.9	1543.6	1356.9	1573.0	1849.4	1828.8	1549.5	1289.3	1164.3
10865.5	62.5°	9313.1	6392.0	1292.2	1224.6	1443.6	1712.7	1693.5	1442.2	1198.1	1077.6
9632.1	65°	8072.3	5199.7	1096.7	1114.3	1312.8	1548.0	1575.9	1352.5	1126.1	1008.5
7451.9	67.5°	6156.8	3766.4	943.8	1018.8	1184.9	1386.3	1467.2	1287.8	1065.8	954.1
4311.8	70°	3509.1	2139.0	814.4	926.2	1071.7	1236.3	1383.4	1236.3	1001.1	908.5
1615.6	72.5°	1330.4	982.0	704.2	833.5	962.9	1109.9	1290.7	1155.5	926.2	857.1
835.0	75°	710.1	598.3	592.4	724.8	838.0	986.4	1174.6	1076.1	870.3	905.6
577.7	77.5°	483.7	423.4	495.4	620.4	701.2	849.7	1051.1	955.6	754.2	751.2
399.9	80°	335.2	299.9	402.8	499.8	542.5	714.5	917.3	820.3	614.5	573.3
247.0	82.5°	201.4	195.5	301.4	373.4	383.7	551.3	760.0	688.0	502.8	438.1
147.0	85°	110.3	116.1	192.6	219.0	223.5	385.2	595.4	532.2	386.6	324.9
52.9	87.5°	30.9	39.7	70.6	86.7	107.3	199.9	354.3	316.1	194.1	135.2
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°
3623.8
3889.9
4058.9
4107.4
4081.0
4019.2
3934.0
3789.9
3632.6
3532.6
3450.3
3359.2
3257.7
3109.3
2916.7
2672.6
2394.8
2116.9
1900.8
1756.8
1620.0
1515.7
1377.5
1258.4
1146.7
1058.5
989.4
936.5
896.8
845.3
935.0
692.4
548.3
441.0
327.8
135.2
0.0

F REPORT)