

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: P953019

Luminaire Tested: **GALN-SB6C-940-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-940-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32845 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

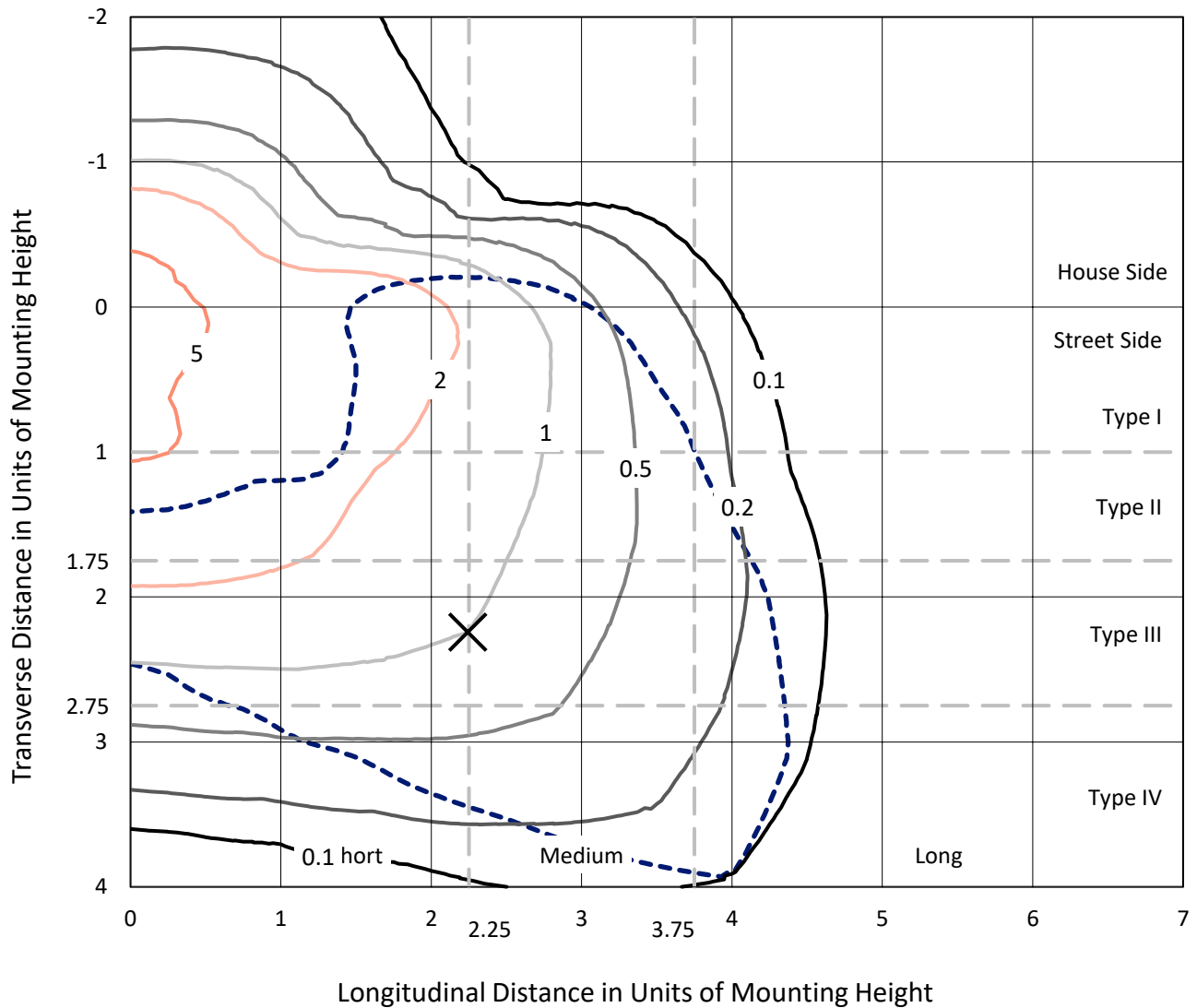
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953019
 CATALOG NUMBER: GALN-SB6C-940-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

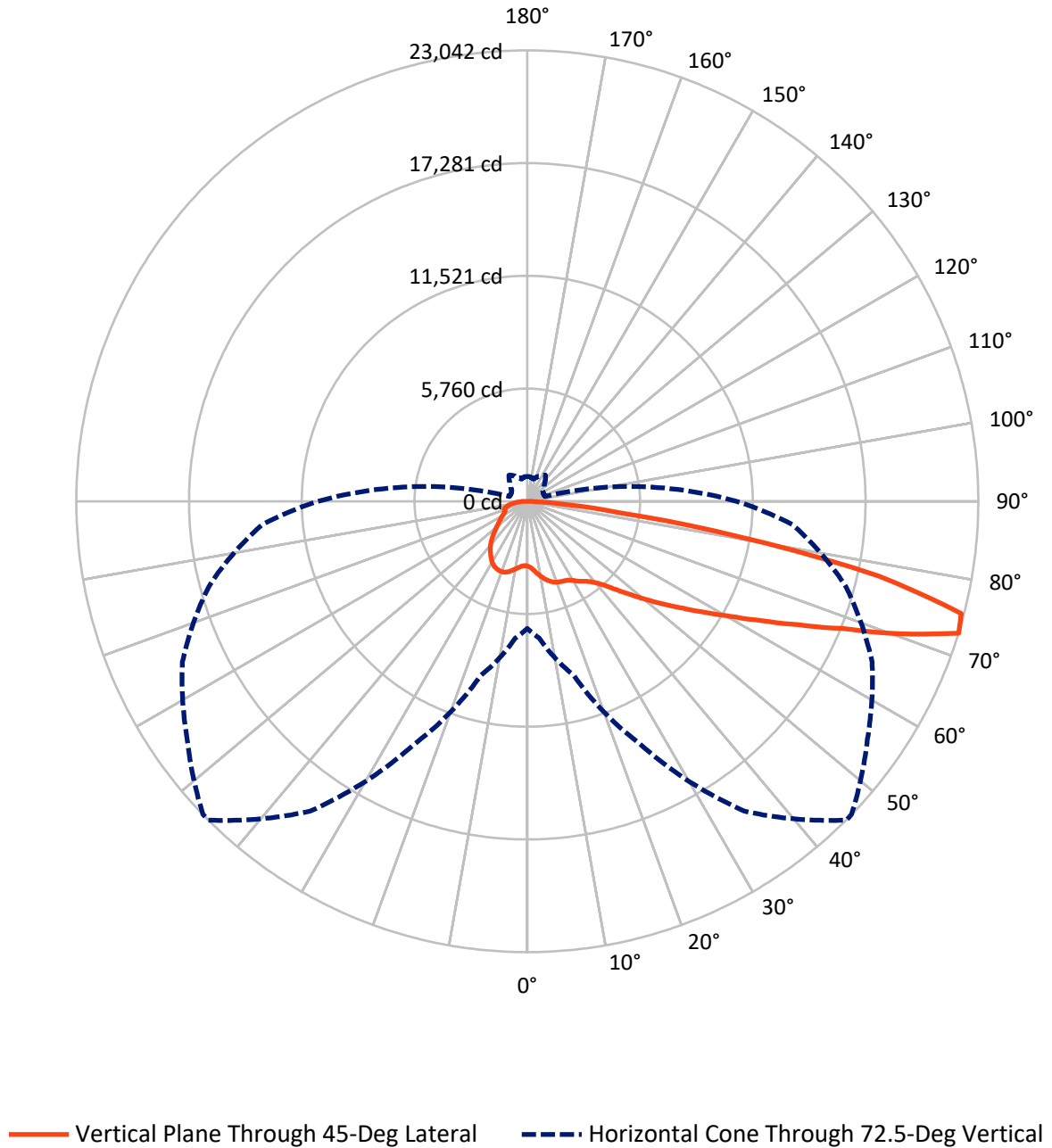
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P953019
CATALOG NUMBER: GALN-SB6C-940-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P953019
 CATALOG NUMBER: GALN-SB6C-940-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7425.1	0.0	7425.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	25419.9	0.0	25419.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	32845.0	0.0	32845.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	1.0
10°-20°	1124.4	3.4
20°-30°	1956.0	6.0
30°-40°	2804.0	8.5
40°-50°	3948.2	12.0
50°-60°	6047.4	18.4
60°-70°	8760.6	26.7
70°-80°	6995.9	21.3
80°-90°	871.3	2.7
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°	32845.0	100.0
0°-180°	32845.0	100.0



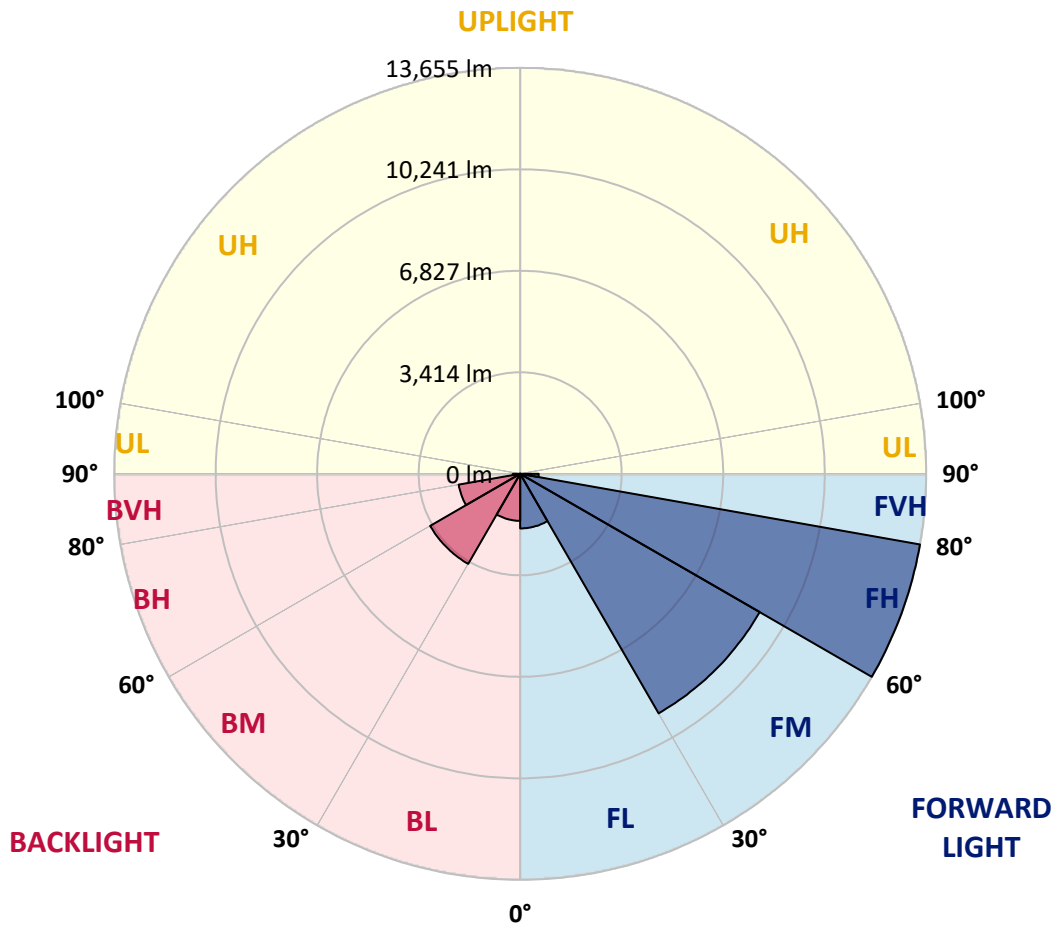
REPORT NUMBER: P953019
 CATALOG NUMBER: GALN-SB6C-940-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1836.7	5.6			
FM (30°-60°)	9303.4	28.3			
FH (60°-80°)	13654.6	41.6			G5
FVH (80°-90°)	625.1	1.9			G4/750
BL (0°-30°)	1580.9	4.8	B3/2500		
BM (30°-60°)	3496.2	10.6	B3/5000		
BH (60°-80°)	2101.9	6.4	B3/2500		G3/2500
BVH (80°-90°)	246.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P953019
 CATALOG NUMBER: GALN-SB6C-940-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4
2.5°	3443.2	3465.7	3444.9	3425.9	3417.2	3394.7	3393.0	3379.2	3370.5	3346.3
5°	3683.7	3713.1	3678.5	3640.4	3605.8	3550.5	3543.5	3503.7	3458.8	3406.9
7.5°	3955.3	3981.3	3941.5	3884.4	3823.8	3732.1	3730.4	3657.7	3586.8	3498.6
10°	4192.4	4227.0	4173.4	4095.5	4019.4	3915.5	3903.4	3820.4	3730.4	3616.2
12.5°	4401.7	4426.0	4374.1	4278.9	4190.7	4086.8	4071.3	3979.6	3879.2	3749.4
15°	4567.8	4599.0	4529.8	4427.7	4334.3	4232.2	4218.3	4135.3	4034.9	3898.2
17.5°	4676.9	4702.8	4631.9	4517.7	4427.7	4342.9	4332.5	4263.3	4175.1	4036.7
20°	4718.4	4746.1	4671.7	4555.7	4472.7	4406.9	4401.7	4351.6	4291.0	4164.7
22.5°	4759.9	4785.9	4689.0	4567.8	4495.2	4453.7	4451.9	4419.0	4394.8	4291.0
25°	4927.7	4934.7	4804.9	4630.1	4526.3	4490.0	4488.3	4486.5	4496.9	4415.6
27.5°	5073.1	5071.4	4960.6	4796.2	4635.3	4559.2	4557.5	4574.8	4607.6	4540.2
30°	5285.9	5266.9	5135.4	4964.1	4817.0	4699.3	4689.0	4673.4	4699.3	4645.7
32.5°	5737.5	5676.9	5464.1	5159.6	4967.5	4877.6	4863.7	4766.8	4777.2	4744.3
35°	6384.6	6305.0	6021.3	5529.9	5154.4	5026.4	5019.4	4896.6	4875.8	4846.4
37.5°	7154.6	7055.9	6725.5	6066.2	5476.2	5199.4	5189.0	5078.3	4993.5	4962.3
40°	7928.0	7803.4	7530.0	6720.3	5950.3	5488.3	5455.5	5287.6	5190.7	5138.8
42.5°	8678.9	8575.1	8341.5	7453.9	6535.1	5910.5	5837.9	5550.6	5478.0	5429.5
45°	9343.3	9249.9	9078.6	8237.7	7220.3	6485.0	6414.0	5945.1	5922.6	5922.6
47.5°	9883.2	9862.4	9680.7	9037.1	8028.3	7139.0	7016.1	6493.6	6554.2	6647.6
50°	10481.8	10424.7	10230.9	9824.3	8978.2	7888.2	7787.8	7166.7	7393.3	7649.4
52.5°	11032.0	11063.2	10846.9	10644.5	10051.0	8723.9	8547.4	7960.9	8450.5	8874.4
55°	11597.8	11599.6	11539.0	11511.3	11175.7	9647.9	9454.1	8916.0	9694.6	10220.6
57.5°	12129.0	12132.5	12222.5	12466.4	12480.3	10713.7	10493.9	10089.1	11077.0	11613.4
60°	12603.1	12627.3	12873.0	13444.0	13627.4	11935.2	11727.6	11475.0	12506.2	13046.1
62.5°	12762.3	12850.5	13397.3	14208.8	14760.7	13433.6	13229.5	13078.9	14008.1	14509.8
65°	12492.4	12694.8	13752.0	14840.3	15926.9	15214.1	15011.6	14847.2	15568.8	16041.1
67.5°	11829.7	12091.0	13731.2	15503.0	17342.3	17356.1	17167.5	16781.7	17241.9	17423.6
70°	10083.9	10474.9	12521.8	15750.4	18967.0	20285.4	20103.7	19110.6	18911.6	18032.6
72.5°	6497.1	7023.1	9220.5	13713.9	19328.6	23041.7	23031.3	21212.8	19439.3	16849.1
75°	2370.4	2692.3	4284.1	8608.0	16224.5	22901.5	22969.0	20852.9	17745.4	13014.9
77.5°	863.4	944.7	1398.0	3308.2	9978.3	18375.2	18515.4	16670.9	12630.8	6531.7
80°	453.3	498.3	716.3	1283.8	4275.4	10912.7	11132.4	9907.4	5936.5	1967.3
82.5°	250.9	271.6	401.4	697.3	1925.8	4666.5	4798.0	3913.8	2088.4	834.0
85°	135.0	143.6	188.6	380.7	941.3	1617.8	1654.1	1169.6	832.2	489.7
87.5°	39.8	48.4	62.3	121.1	368.5	363.4	372.0	231.9	328.7	247.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953019
 CATALOG NUMBER: GALN-SB6C-940-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3313.4	0°	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4	3313.4
3339.4	2.5°	3329.0	3323.8	3304.8	3296.1	3285.7	3284.0	3292.7	3294.4	3296.1	3297.8
3377.4	5°	3360.1	3342.8	3325.5	3315.2	3318.6	3320.3	3337.6	3349.8	3358.4	3365.3
3448.4	7.5°	3420.7	3406.9	3377.4	3375.7	3380.9	3396.5	3419.0	3446.7	3462.2	3474.3
3540.1	10°	3510.7	3484.7	3450.1	3455.3	3465.7	3488.2	3534.9	3557.4	3583.3	3605.8
3652.5	12.5°	3602.4	3579.9	3540.1	3543.5	3560.8	3600.6	3645.6	3673.3	3690.6	3707.9
3773.7	15°	3721.8	3682.0	3638.7	3638.7	3669.9	3713.1	3733.9	3756.4	3766.7	3785.8
3903.4	17.5°	3844.6	3792.7	3735.6	3732.1	3770.2	3791.0	3803.1	3806.5	3810.0	3830.8
4029.7	20°	3967.5	3910.4	3829.0	3822.1	3830.8	3827.3	3825.6	3822.1	3827.3	3853.3
4159.5	22.5°	4088.6	4022.8	3910.4	3879.2	3855.0	3822.1	3820.4	3818.7	3822.1	3848.1
4299.7	25°	4230.5	4150.9	4000.3	3906.9	3825.6	3780.6	3785.8	3787.5	3791.0	3811.7
4445.0	27.5°	4384.4	4296.2	4083.4	3898.2	3751.2	3720.0	3711.4	3716.6	3728.7	3761.6
4590.3	30°	4538.4	4434.6	4159.5	3863.6	3657.7	3614.5	3586.8	3598.9	3637.0	3669.9
4716.7	32.5°	4678.6	4574.8	4220.1	3787.5	3538.4	3470.9	3434.5	3450.1	3488.2	3500.3
4856.8	35°	4843.0	4725.3	4246.0	3666.4	3408.6	3304.8	3256.3	3233.8	3252.9	3240.8
5021.2	37.5°	5026.4	4903.5	4242.6	3507.2	3256.3	3136.9	3069.5	2984.7	2944.9	2903.4
5263.4	40°	5298.0	5121.5	4201.0	3315.2	3067.7	2958.7	2837.6	2694.0	2604.0	2522.7
5654.4	42.5°	5668.3	5424.3	4124.9	3104.1	2854.9	2752.8	2588.4	2420.6	2278.7	2143.8
6247.9	45°	6220.2	5820.5	4029.7	2879.1	2624.8	2524.4	2346.2	2157.6	1996.7	1823.7
7090.5	47.5°	7016.1	6353.5	3939.8	2623.1	2382.5	2290.8	2129.9	1955.2	1764.9	1597.0
8308.6	50°	8109.7	7118.2	3856.7	2373.9	2143.8	2074.6	1946.5	1768.3	1576.3	1441.3
9736.1	52.5°	9500.8	8158.1	3822.1	2133.4	1920.6	1894.6	1792.5	1626.4	1444.8	1330.6
11400.6	55°	11097.8	9402.2	3822.1	1903.3	1725.1	1733.7	1662.8	1508.8	1351.3	1249.2
13117.0	57.5°	12727.7	10661.8	3752.9	1690.5	1559.0	1595.3	1550.3	1415.3	1273.5	1167.9
14921.6	60°	14229.5	11717.2	3472.6	1496.7	1411.9	1469.0	1439.6	1323.6	1150.6	1062.4
16430.4	62.5°	15383.6	12312.4	2932.8	1342.7	1290.8	1356.5	1340.9	1202.5	1128.1	1091.8
17669.3	65°	15961.5	12215.5	2242.4	1206.0	1188.7	1290.8	1257.9	1252.7	1193.9	1152.3
18072.4	67.5°	15606.8	11381.6	1626.4	1105.6	1129.9	1230.2	1356.5	1377.3	1268.3	1186.9
16937.4	70°	14051.3	9872.8	1211.2	1010.5	1055.5	1231.9	1546.8	1441.3	1244.0	1148.9
13584.2	72.5°	10689.5	7362.2	939.5	910.1	958.6	1240.6	1631.6	1411.9	1174.8	1270.0
8462.6	75°	6113.0	4041.9	754.4	787.3	837.4	1159.3	1588.4	1335.7	1121.2	1166.2
3353.2	77.5°	2330.6	1553.8	622.9	666.1	673.1	1012.2	1519.2	1330.6	1067.6	1041.6
1005.3	80°	808.0	607.3	515.6	529.5	520.8	899.7	1456.9	1157.5	873.8	782.1
415.3	82.5°	330.5	302.8	408.3	391.0	370.3	699.0	1176.6	946.4	714.6	631.5
200.7	85°	143.6	192.1	269.9	237.0	214.6	484.5	943.0	801.1	603.9	520.8
65.7	87.5°	29.4	72.7	114.2	107.3	110.7	323.6	669.6	569.3	427.4	320.1
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°
3313.4
3304.8
3368.8
3477.8
3600.6
3714.8
3792.7
3837.7
3863.6
3865.4
3839.4
3794.4
3706.2
3543.5
3278.8
2929.3
2527.9
2131.7
1802.9
1578.0
1432.6
1321.9
1238.9
1150.6
1048.5
1079.7
1138.5
1173.1
1133.3
1259.6
1166.2
949.9
756.1
624.6
519.1
250.9
0.0

F REPORT)