

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: P848857

Luminaire Tested: **GLAN-SB5C-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26385 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

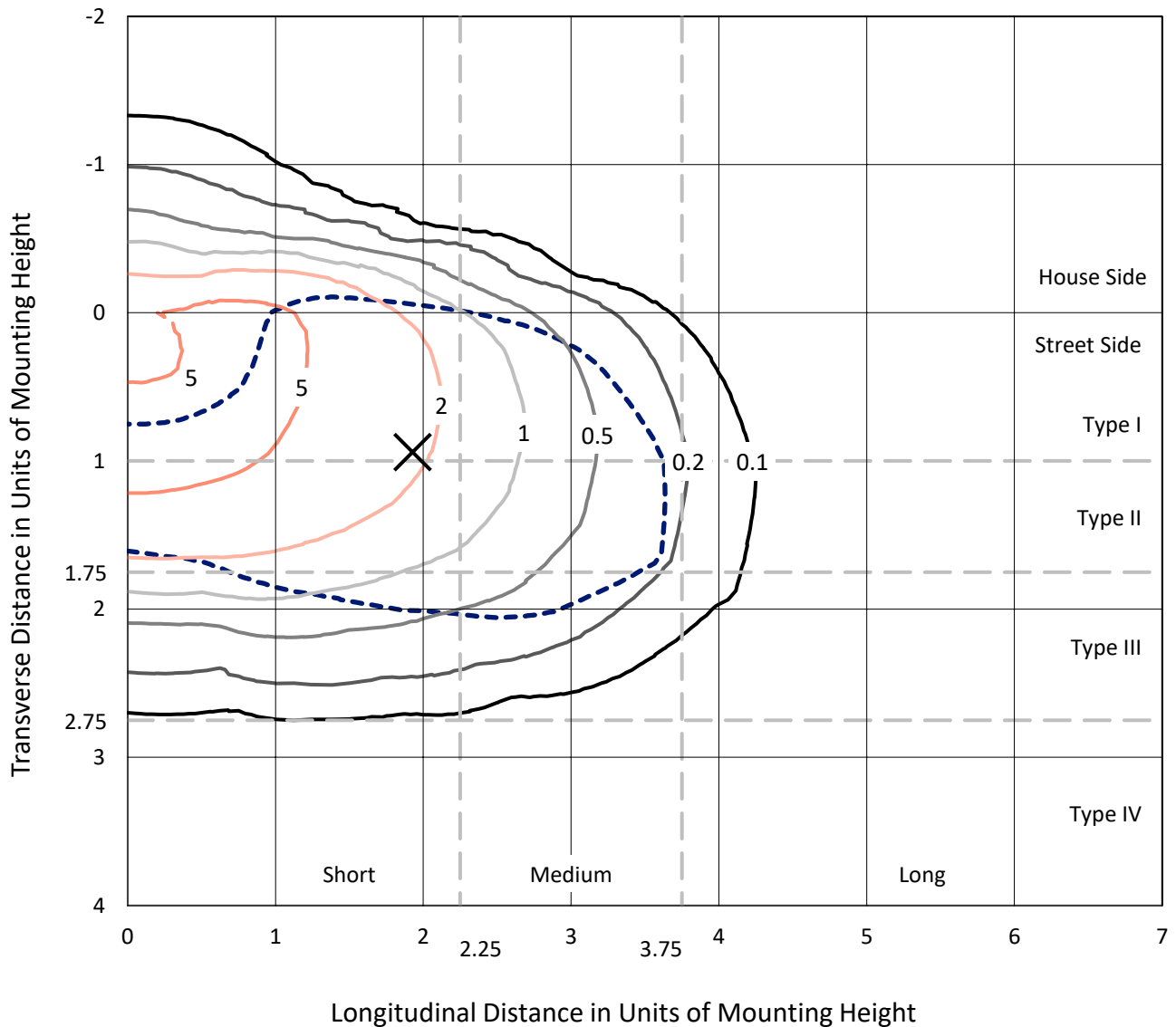
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848857
 CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

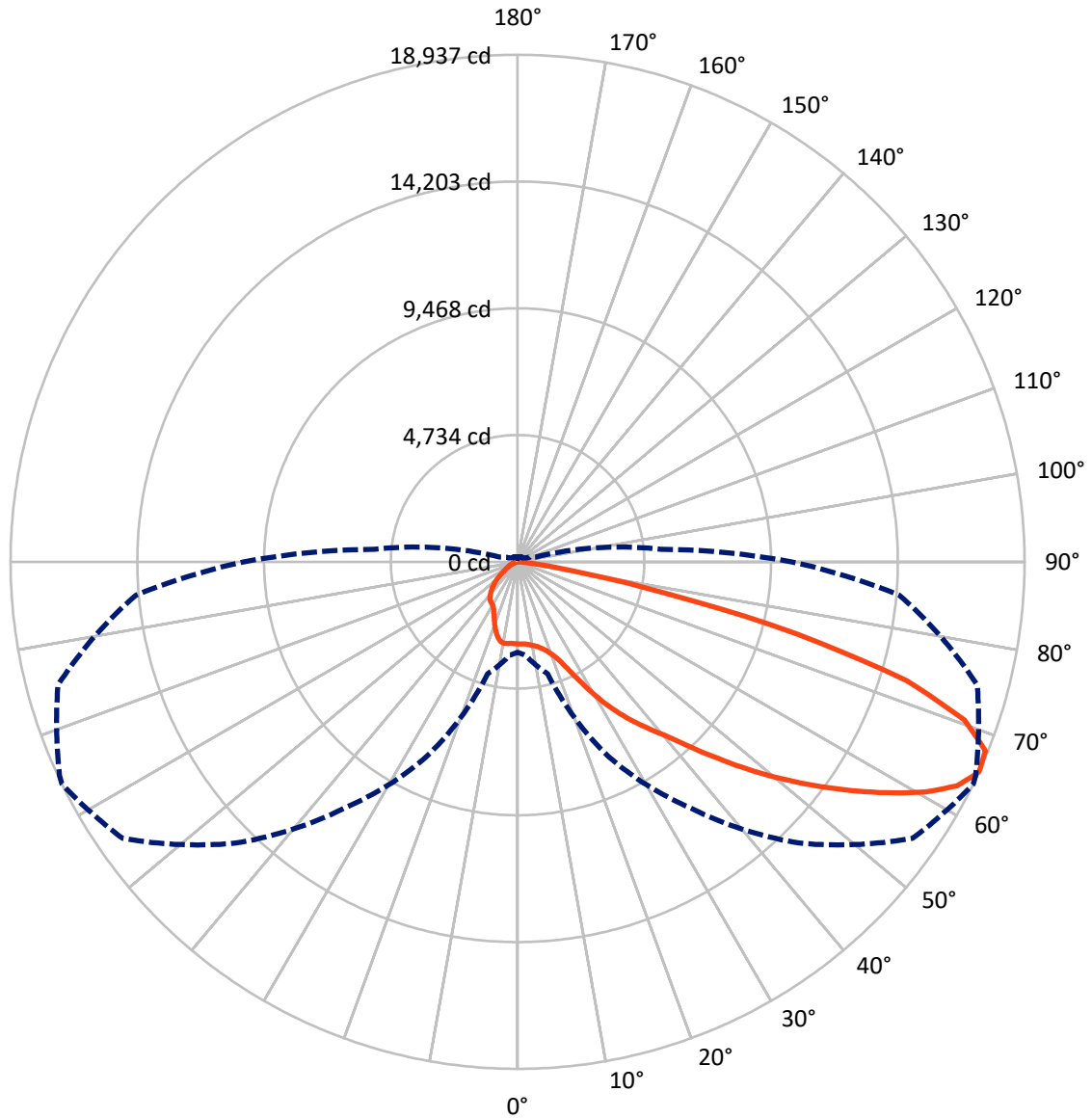
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

REPORT NUMBER: P848857
CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P848857
 CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

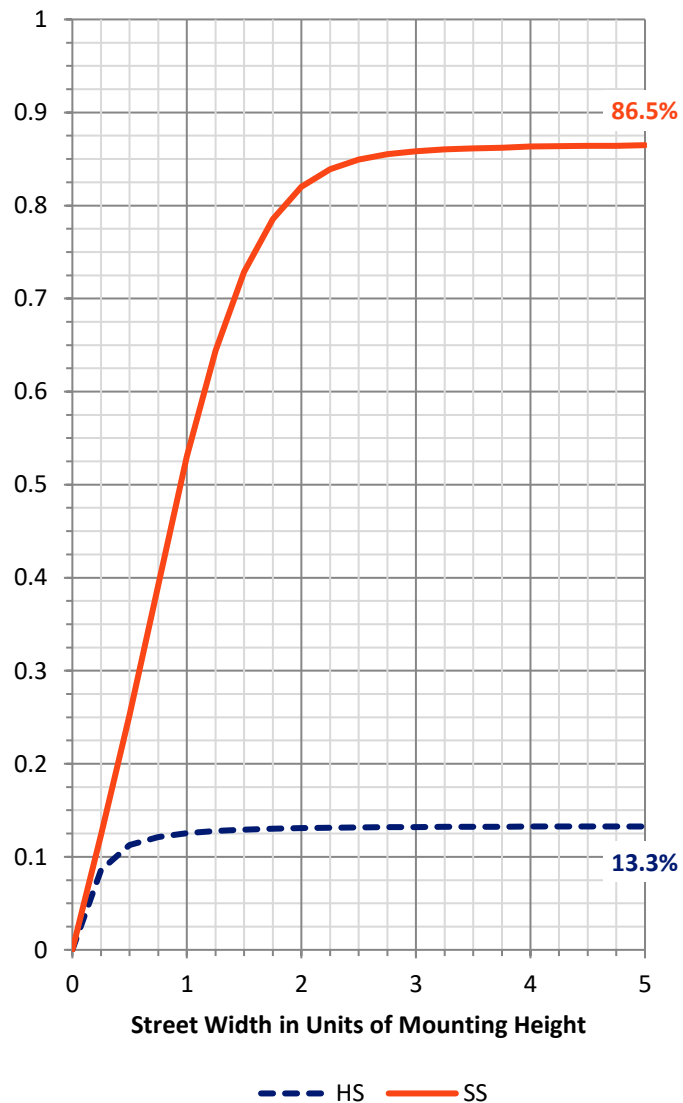
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3528.5	0.0	3528.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22856.5	0.0	22856.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	26385.0	0.0	26385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	1.1
10°-20°	767.9	2.9
20°-30°	1455.2	5.5
30°-40°	2944.6	11.2
40°-50°	5016.1	19.0
50°-60°	6821.5	25.9
60°-70°	6405.8	24.3
70°-80°	2566.4	9.7
80°-90°	124.3	0.5
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°	26385.0	100.0
0°-180°	26385.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848857

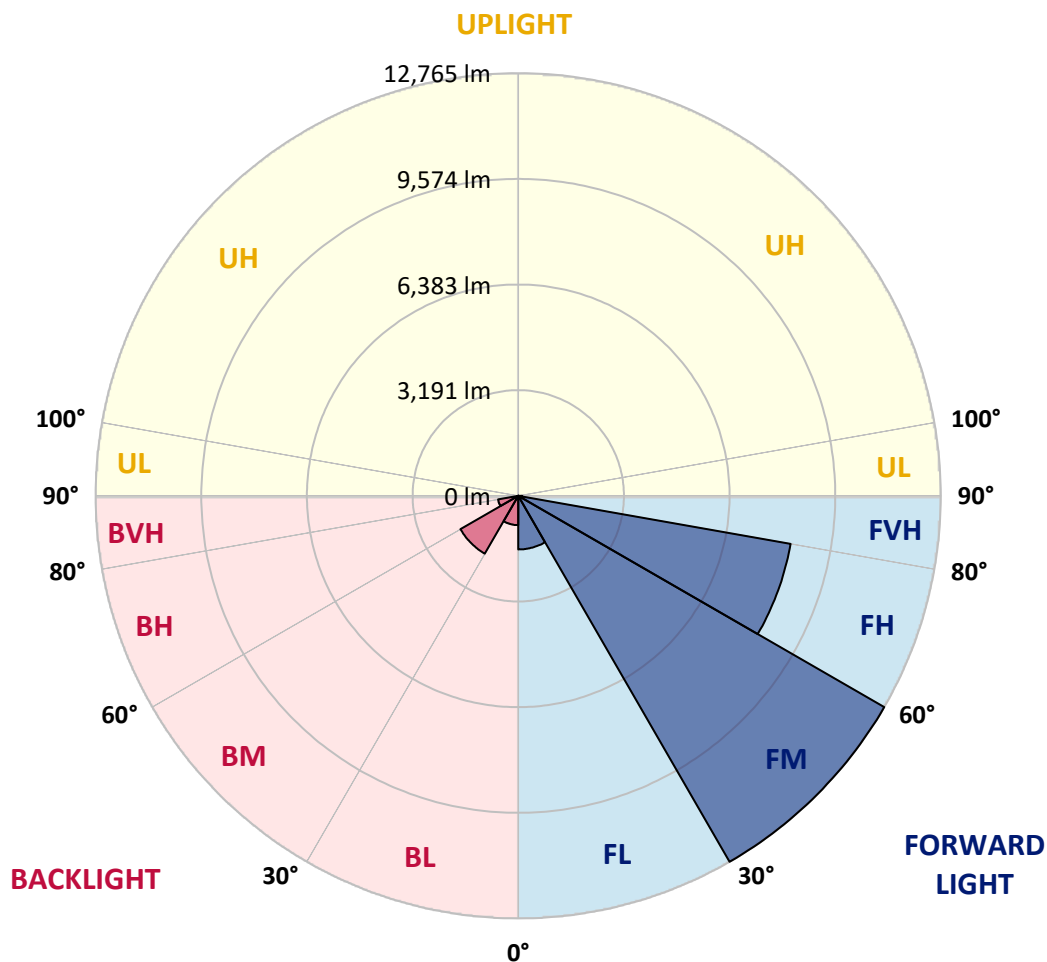
CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1620.3	6.1			
FM (30°-60°)	12765.0	48.4			
FH (60°-80°)	8352.9	31.7			G4/12000
FVH (80°-90°)	118.3	0.4			G2/225
BL (0°-30°)	885.9	3.4	B2/1000		
BM (30°-60°)	2017.2	7.6	B2/2500		
BH (60°-80°)	619.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



REPORT NUMBER: P848857
 CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8
2.5°	3058.2	3079.5	3074.2	3068.8	3067.1	3070.6	3072.4	3070.6	3070.6	3070.6
5°	2999.9	3017.6	3017.6	3029.9	3047.6	3068.8	3084.8	3088.3	3091.8	3097.2
7.5°	2888.4	2902.6	2913.2	2953.9	2998.1	3054.7	3102.5	3127.2	3130.8	3150.2
10°	2812.4	2830.1	2847.8	2890.2	2953.9	3038.8	3120.1	3180.3	3189.1	3235.1
12.5°	2808.8	2826.5	2849.5	2895.5	2969.8	3060.0	3159.1	3245.7	3261.6	3328.9
15°	2846.0	2867.2	2888.4	2945.0	3024.6	3134.3	3240.4	3348.3	3364.2	3459.8
17.5°	2922.0	2950.3	2966.3	3022.9	3107.8	3229.8	3369.5	3493.4	3507.5	3618.9
20°	3072.4	3106.0	3111.3	3157.3	3240.4	3371.3	3537.6	3691.5	3709.2	3836.5
22.5°	3383.7	3431.5	3389.0	3412.0	3486.3	3617.2	3797.6	3992.2	4016.9	4162.0
25°	3932.0	3999.2	3889.6	3850.7	3882.5	4018.7	4245.1	4491.0	4519.3	4636.0
27.5°	5009.2	4922.5	4756.3	4593.5	4498.0	4575.9	4830.6	5134.8	5170.2	5283.4
30°	6192.5	6116.5	5891.8	5531.0	5304.6	5292.2	5527.5	5867.1	5907.8	6015.7
32.5°	7377.6	7305.1	7061.0	6617.0	6224.4	6029.8	6192.5	6569.3	6590.5	6659.5
35°	8543.3	8469.0	8224.9	7770.3	7287.4	6845.2	6813.4	7237.9	7245.0	7317.5
37.5°	9716.0	9654.1	9394.0	8948.3	8472.5	7862.3	7566.9	7871.1	7880.0	7950.7
40°	10552.6	10579.1	10400.5	10055.6	9647.0	8980.1	8412.4	8545.0	8492.0	8610.5
42.5°	11270.7	11323.8	11168.1	10994.8	10757.8	10170.5	9459.5	9436.5	9351.6	9415.3
45°	11891.6	11935.8	11796.1	11755.4	11750.1	11337.9	10603.9	10465.9	10347.4	10335.0
47.5°	12119.7	12204.6	12264.8	12401.0	12666.3	12493.0	11787.2	11573.2	11440.5	11343.2
50°	12206.4	12296.6	12501.8	12898.0	13525.9	13600.2	12965.2	12724.7	12561.9	12385.1
52.5°	12089.7	12250.6	12526.6	13193.4	14104.3	14488.2	14095.5	13885.0	13699.3	13411.0
55°	11401.6	11562.6	12126.8	13189.9	14392.6	15110.8	15163.8	15070.1	14861.4	14406.8
57.5°	9951.2	10190.0	11083.2	12740.6	14387.3	15646.7	16211.0	16278.2	16044.7	15393.8
60°	7941.9	8265.6	9355.1	11744.8	13943.4	15936.8	17129.0	17465.0	17217.4	16366.6
62.5°	5541.6	5916.6	6947.8	10184.7	12928.1	15728.1	17799.3	18420.2	18232.7	17236.9
65°	3380.2	3500.4	4331.8	8014.4	11201.7	14854.3	18006.3	18936.7	18874.8	17769.3
67.5°	2251.7	2352.5	2591.3	5495.6	8695.4	13108.5	17511.0	18846.5	18864.1	17682.6
70°	1356.7	1443.3	1599.0	3196.2	5635.4	10375.7	15977.5	17696.7	17799.3	16524.0
72.5°	558.9	617.3	758.8	1448.6	2918.5	6585.2	12722.9	15193.9	15432.7	13893.8
75°	316.6	346.7	445.7	727.0	1266.5	3068.8	7706.6	10786.1	11138.1	9576.2
77.5°	210.5	224.6	288.3	470.5	712.8	1047.1	3293.5	5619.4	6291.6	5230.3
80°	141.5	153.9	198.1	314.8	463.4	449.3	1048.9	2081.9	2561.2	1797.1
82.5°	95.5	97.3	141.5	206.9	293.6	217.6	309.5	647.4	813.6	520.0
85°	54.8	53.1	104.4	120.3	130.9	90.2	93.7	194.6	254.7	219.3
87.5°	7.1	10.6	40.7	31.8	17.7	19.5	19.5	33.6	49.5	53.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848857
 CATALOG NUMBER: GLAN-SB5C-840-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3068.8	0°	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8	3068.8
3072.4	2.5°	3072.4	3070.6	3065.3	3060.0	3047.6	3040.5	3044.1	3040.5	3038.8	3040.5
3095.4	5°	3095.4	3090.1	3075.9	3058.2	3033.5	3003.4	2983.9	2955.6	2929.1	2913.2
3157.3	7.5°	3157.3	3152.0	3132.5	3083.0	3003.4	2877.8	2762.8	2662.0	2586.0	2541.8
3256.3	10°	3256.3	3247.5	3217.4	3107.8	2899.0	2624.9	2396.7	2207.4	2083.6	2025.3
3373.1	12.5°	3373.1	3362.5	3309.4	3084.8	2700.9	2272.9	1958.0	1747.6	1632.6	1581.3
3507.5	15°	3511.0	3496.9	3392.5	2975.1	2412.6	1883.8	1595.4	1438.0	1363.7	1317.7
3679.1	17.5°	3682.6	3657.9	3454.4	2810.6	2099.6	1586.6	1372.6	1254.1	1188.6	1144.4
3903.7	20°	3905.5	3864.8	3504.0	2614.3	1811.2	1399.1	1222.2	1123.2	1073.7	1034.7
4222.1	22.5°	4216.8	4158.4	3564.1	2402.0	1607.8	1270.0	1110.8	1038.3	997.6	953.4
4666.1	25°	4602.4	4533.4	3638.4	2205.7	1468.1	1158.6	1029.4	969.3	921.5	870.2
5248.0	27.5°	5141.9	5018.1	3726.8	2044.7	1347.8	1063.0	955.1	887.9	833.1	790.6
5907.8	30°	5743.3	5539.8	3804.7	1947.4	1238.2	974.6	857.9	790.6	739.4	709.3
6500.3	32.5°	6312.8	6036.9	3856.0	1905.0	1139.1	873.8	751.7	679.2	640.3	631.5
7080.5	35°	6850.5	6486.2	3850.7	1864.3	1050.7	773.0	647.4	573.1	543.0	548.3
7704.8	37.5°	7469.6	6965.5	3813.5	1800.6	978.1	681.0	557.2	491.7	465.2	467.0
8463.7	40°	8189.5	7519.1	3790.5	1680.3	898.5	596.1	482.9	429.8	410.4	403.3
9263.1	42.5°	8957.1	8055.1	3794.1	1544.2	799.5	520.0	431.6	387.4	369.7	364.4
10152.9	45°	9728.3	8566.2	3799.4	1402.6	695.1	461.7	394.4	357.3	346.7	339.6
11054.9	47.5°	10453.5	9001.4	3700.3	1250.5	592.5	417.4	364.4	339.6	330.8	321.9
11960.6	50°	11129.2	9291.5	3461.5	1073.7	511.2	382.1	341.4	323.7	314.8	306.0
12781.3	52.5°	11654.6	9337.4	3067.1	891.5	454.6	355.5	327.2	311.3	300.7	291.9
13444.6	55°	11888.0	9049.1	2506.4	721.7	410.4	332.5	313.1	297.2	284.8	275.9
13966.4	57.5°	11827.9	8442.4	1954.5	580.2	367.9	309.5	295.4	284.8	270.6	256.5
14389.1	60°	11532.5	7630.6	1473.4	482.9	329.0	284.8	275.9	267.1	247.6	226.4
14551.8	62.5°	11021.3	6610.0	1050.7	399.7	286.5	256.5	252.9	245.9	217.6	178.6
14311.3	65°	10239.5	5370.0	707.5	332.5	245.9	224.6	226.4	214.0	176.9	132.7
13430.4	67.5°	9096.9	3926.7	452.8	272.4	205.2	187.5	189.3	182.2	150.3	113.2
11760.7	70°	7641.2	2600.1	295.4	206.9	164.5	145.0	155.7	157.4	127.4	92.0
9026.1	72.5°	5601.8	1535.3	206.9	153.9	120.3	100.8	127.4	130.9	102.6	69.0
5430.2	75°	3192.7	728.7	155.7	111.4	74.3	70.8	99.1	99.1	70.8	46.0
2350.7	77.5°	1340.7	304.2	109.7	72.5	42.5	40.7	67.2	61.9	35.4	21.2
573.1	80°	387.4	136.2	58.4	35.4	17.7	15.9	26.5	19.5	8.8	3.5
217.6	82.5°	152.1	60.1	23.0	14.2	7.1	7.1	3.5	0.0	0.0	0.0
123.8	85°	90.2	24.8	10.6	5.3	1.8	0.0	0.0	0.0	0.0	0.0
26.5	87.5°	23.0	5.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
<hr/>
3068.8
3047.6
2916.7
2543.5
2020.0
1576.0
1319.5
1140.9
1027.7
946.3
864.9
781.8
704.0
636.8
548.3
474.0
401.5
362.6
339.6
321.9
306.0
290.1
274.2
254.7
222.9
175.1
129.1
107.9
88.4
65.4
42.5
21.2
3.5
0.0
0.0
0.0
0.0

F REPORT)