

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: P852156

Luminaire Tested: **GLAN-SB1D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7563 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

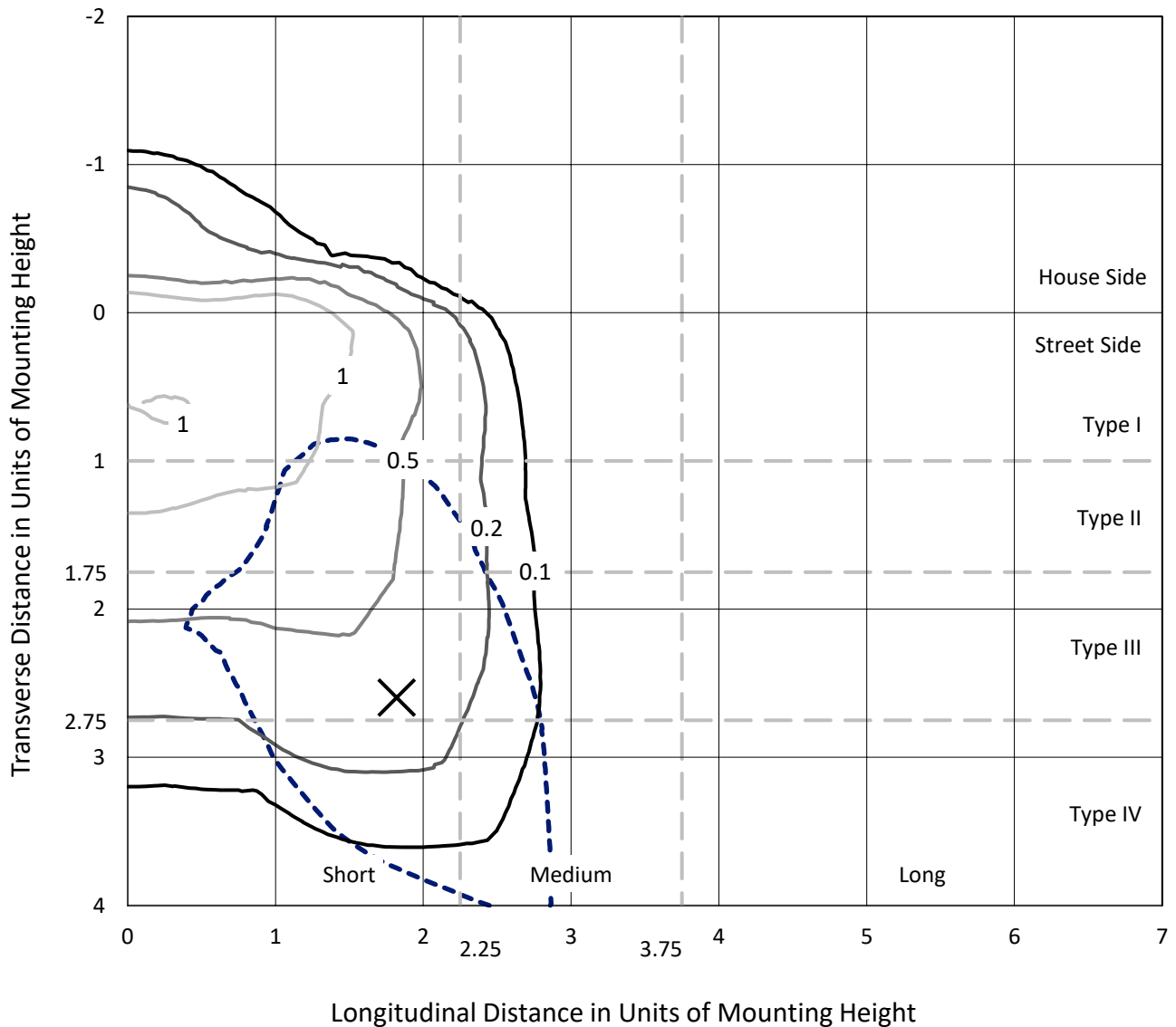
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

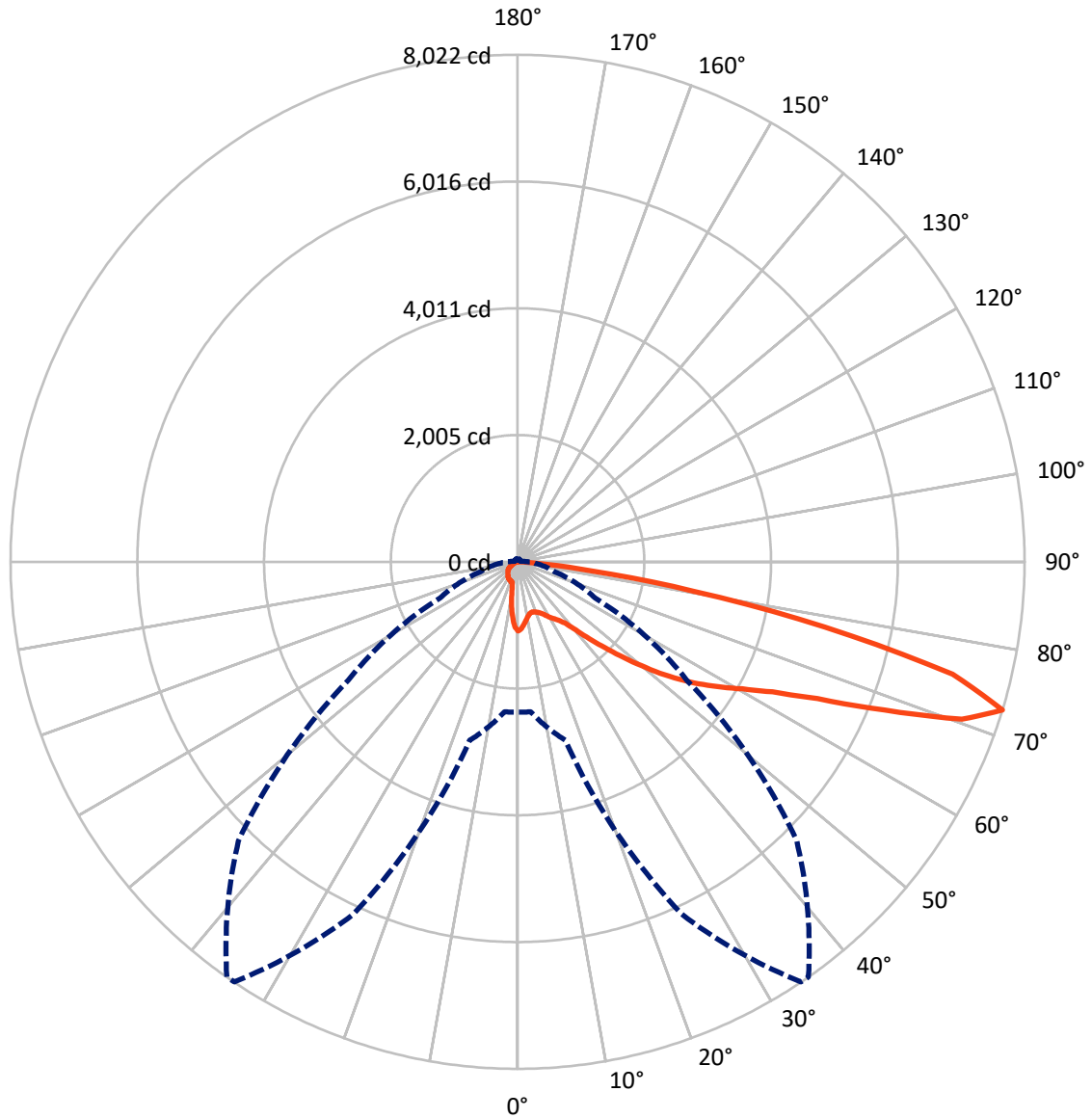
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.2	0.0	851.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6711.8	0.0	6711.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	7563.0	0.0	7563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.2
10°-20°	210.7	2.8
20°-30°	342.3	4.5
30°-40°	571.1	7.6
40°-50°	1080.6	14.3
50°-60°	1717.0	22.7
60°-70°	2124.1	28.1
70°-80°	1320.4	17.5
80°-90°	106.7	1.4
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°	7563.0	100.0
0°-180°	7563.0	100.0

Coefficient of Utilization

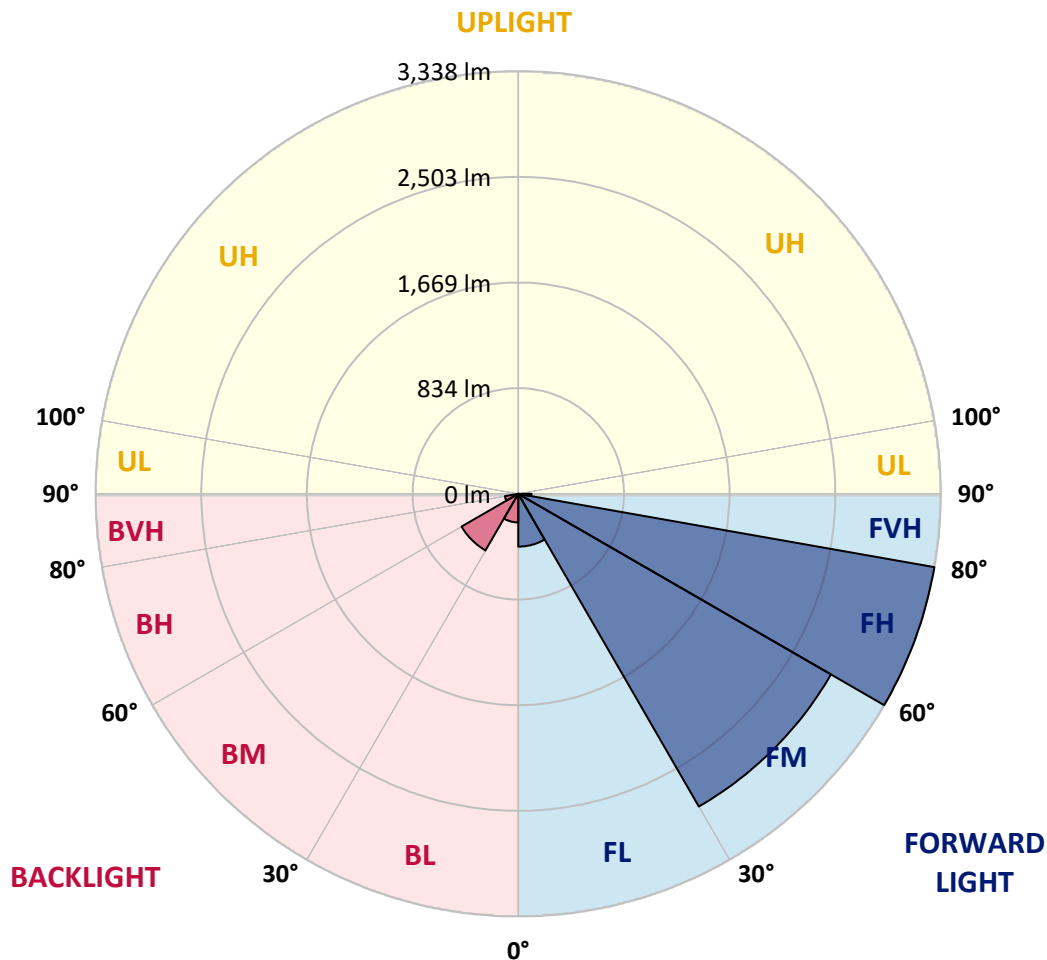


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.9	5.5			
FM (30°-60°)	2852.0	37.7			
FH (60°-80°)	3337.6	44.1			G2/5000
FVH (80°-90°)	105.3	1.4			G2/225
BL (0°-30°)	226.2	3.0	B1/500		
BM (30°-60°)	516.7	6.8	B1/1000		
BH (60°-80°)	106.8	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1
2.5°	1047.4	1056.2	1057.9	1060.7	1060.7	1064.0	1069.5	1077.3	1090.0	1096.7
5°	965.4	972.0	980.3	987.0	999.7	1001.4	1023.0	1044.0	1073.4	1095.6
7.5°	882.8	890.5	901.6	917.7	934.3	939.3	972.0	1007.5	1054.0	1095.6
10°	824.6	825.1	835.1	851.2	877.8	883.9	923.8	974.2	1032.4	1088.9
12.5°	791.9	795.8	800.2	812.4	837.9	841.8	884.4	943.7	1010.8	1085.0
15°	791.9	794.7	797.4	803.5	824.0	827.4	865.0	924.3	999.7	1086.7
17.5°	800.2	804.6	802.4	809.6	831.2	833.5	866.7	918.8	999.2	1097.2
20°	820.2	823.5	819.1	823.5	845.1	849.5	883.9	929.3	1008.6	1115.5
22.5°	851.7	853.4	842.9	846.2	868.4	873.9	913.8	959.3	1031.3	1144.9
25°	891.6	895.0	878.9	882.8	903.8	910.5	956.5	1004.1	1067.3	1185.4
27.5°	937.6	939.3	925.5	924.9	952.1	961.5	1008.0	1059.6	1115.5	1236.3
30°	990.3	995.3	982.0	979.8	1014.1	1021.9	1067.9	1127.7	1186.5	1312.8
32.5°	1031.8	1035.7	1028.0	1033.5	1068.4	1074.5	1140.5	1224.1	1297.8	1421.4
35°	1091.7	1093.9	1076.2	1086.2	1126.1	1141.6	1239.7	1359.4	1438.1	1557.7
37.5°	1308.4	1308.4	1233.0	1183.7	1221.9	1235.8	1375.4	1529.5	1610.9	1740.6
40°	1608.2	1603.2	1492.9	1392.1	1387.1	1414.2	1568.8	1743.9	1834.3	1960.1
42.5°	1927.9	1920.2	1770.0	1670.2	1653.6	1663.0	1792.2	2008.3	2100.3	2227.7
45°	2211.7	2209.4	2072.0	1937.9	1908.0	1937.9	2070.9	2317.5	2383.5	2517.6
47.5°	2449.4	2449.4	2349.1	2261.5	2246.0	2263.8	2448.3	2660.5	2654.4	2826.2
50°	2723.2	2720.9	2625.6	2587.9	2604.0	2628.9	2882.8	3021.8	2934.8	3129.4
52.5°	2914.9	2928.2	2895.5	2889.4	2971.4	3014.6	3323.9	3375.4	3185.9	3417.0
55°	3066.7	3082.2	3119.9	3162.6	3320.5	3377.1	3751.1	3710.7	3395.9	3666.3
57.5°	3281.7	3259.6	3317.8	3402.0	3657.5	3725.6	4165.1	4027.1	3564.9	3868.6
60°	3542.8	3546.1	3556.1	3662.5	3993.8	4081.4	4572.9	4326.3	3673.5	3992.7
62.5°	3856.4	3861.4	3881.9	4045.4	4445.5	4528.1	5007.4	4571.3	3723.4	3957.8
65°	3834.8	3855.9	4084.7	4643.9	5132.1	5213.6	5514.5	4743.1	3648.0	3638.6
67.5°	3493.4	3527.8	3910.7	5358.7	6167.3	6258.2	6127.4	4776.9	3322.8	2829.6
70°	3045.7	3057.9	3518.4	6001.6	7365.9	7457.9	6676.0	4405.0	2521.4	1578.3
72.5°	2378.5	2381.2	2921.5	6150.6	8016.5	8021.5	6245.4	3270.1	1356.0	606.3
75°	1699.1	1682.4	1956.7	4988.0	7052.8	7109.3	4682.1	1533.9	518.1	286.5
77.5°	911.0	929.3	1107.2	2958.1	4872.2	4968.6	2554.7	442.2	263.8	195.1
80°	281.5	297.0	453.9	1354.4	2759.7	2817.9	947.1	196.7	184.0	139.1
82.5°	88.7	92.0	211.7	569.1	1145.5	1172.1	274.3	111.4	125.8	92.0
85°	25.5	26.0	94.2	212.2	283.2	288.7	77.0	43.2	72.0	57.1
87.5°	2.8	8.9	35.5	35.5	24.9	24.4	8.3	9.4	20.5	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1096.1	0°	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1
1101.1	2.5°	1098.3	1098.9	1091.7	1079.5	1066.2	1055.1	1041.3	1030.2	1022.4	1020.2
1111.1	5°	1106.1	1102.2	1081.7	1044.6	1000.3	962.0	919.4	885.6	863.4	854.0
1121.6	7.5°	1117.7	1106.7	1061.8	988.6	903.8	828.5	752.0	692.7	655.0	636.2
1131.6	10°	1127.7	1105.6	1028.5	907.7	778.0	663.9	560.8	489.3	449.4	430.6
1143.2	12.5°	1137.1	1105.0	985.3	811.8	636.2	496.5	400.7	365.2	354.1	350.2
1162.1	15°	1154.9	1106.7	931.0	702.1	494.9	375.2	340.3	339.7	341.9	340.8
1190.9	17.5°	1179.3	1108.3	869.5	585.7	381.8	330.8	329.2	334.2	337.5	335.8
1226.9	20°	1210.8	1115.0	804.1	470.5	328.1	319.8	323.6	328.1	330.8	328.1
1275.1	22.5°	1255.2	1126.6	732.6	377.9	310.9	313.1	316.4	321.4	324.2	320.3
1336.6	25°	1309.5	1144.9	662.2	328.6	302.6	305.3	310.3	315.9	319.2	315.3
1414.2	27.5°	1379.9	1174.3	597.4	317.5	294.3	295.9	303.1	311.4	315.9	310.9
1524.5	30°	1481.8	1222.5	541.4	322.5	289.3	285.4	295.4	307.0	312.0	307.6
1674.7	32.5°	1617.0	1290.6	507.1	330.3	287.1	273.2	282.6	297.6	305.9	303.1
1870.9	35°	1794.4	1394.3	493.8	339.1	285.4	260.5	267.1	283.2	297.6	300.4
2118.0	37.5°	2009.4	1538.4	497.6	343.0	280.4	249.9	253.3	267.1	285.9	294.8
2396.2	40°	2253.8	1706.3	519.8	339.1	274.9	241.1	241.6	252.1	268.8	282.1
2695.4	42.5°	2505.9	1902.4	560.8	324.7	269.9	233.3	231.6	238.8	249.9	259.3
2994.1	45°	2745.9	2104.2	601.3	304.8	263.8	225.5	221.7	224.4	226.7	230.5
3285.1	47.5°	2955.3	2246.0	589.6	286.5	255.5	216.7	210.0	208.9	202.3	201.7
3545.0	50°	3100.0	2277.1	523.7	268.2	243.3	206.7	196.2	189.5	177.9	172.3
3739.5	52.5°	3146.0	2154.6	427.8	249.9	223.3	193.4	178.4	167.9	153.5	148.5
3851.4	55°	3085.0	1914.6	341.9	227.8	195.6	175.7	159.0	145.2	133.6	127.5
3863.6	57.5°	2935.9	1609.3	270.4	201.7	166.2	155.7	139.1	125.2	115.3	109.2
3728.4	60°	2688.8	1277.9	213.9	170.7	141.9	134.1	116.9	108.1	99.2	92.0
3379.3	62.5°	2313.6	912.2	167.9	135.2	118.6	109.7	99.7	93.1	82.6	72.6
2751.4	65°	1805.5	558.0	129.7	99.2	95.3	90.9	84.8	78.7	65.9	56.0
1794.9	67.5°	1138.8	264.3	92.5	74.8	75.4	73.1	70.4	65.4	56.0	47.1
804.1	70°	501.5	128.0	61.0	57.1	56.0	56.0	58.2	56.5	47.7	39.3
279.3	72.5°	170.7	68.7	45.4	43.2	40.5	39.9	48.8	47.1	38.2	30.5
139.1	75°	89.2	46.0	33.2	31.0	24.4	29.4	38.8	36.6	27.2	19.9
92.0	77.5°	58.2	32.7	22.7	19.9	13.9	19.4	28.8	25.5	16.1	10.0
60.4	80°	36.6	21.6	13.3	9.4	6.6	10.5	15.5	11.1	6.1	2.2
35.5	82.5°	19.4	11.1	5.0	3.3	2.8	3.3	3.9	2.8	1.1	0.0
18.3	85°	7.8	3.9	1.7	1.1	0.6	0.0	1.1	0.6	0.0	0.0
3.3	87.5°	2.8	0.6	0.0	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°
1096.1
1024.1
857.3
638.9
431.1
349.1
340.3
335.3
327.5
319.8
314.8
310.9
307.0
303.1
300.4
297.0
286.5
263.2
232.7
201.2
172.9
148.0
127.5
108.1
90.3
70.9
54.3
46.0
37.7
28.8
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