

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: P846478

Luminaire Tested: **GLAN-SB2A-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7983 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

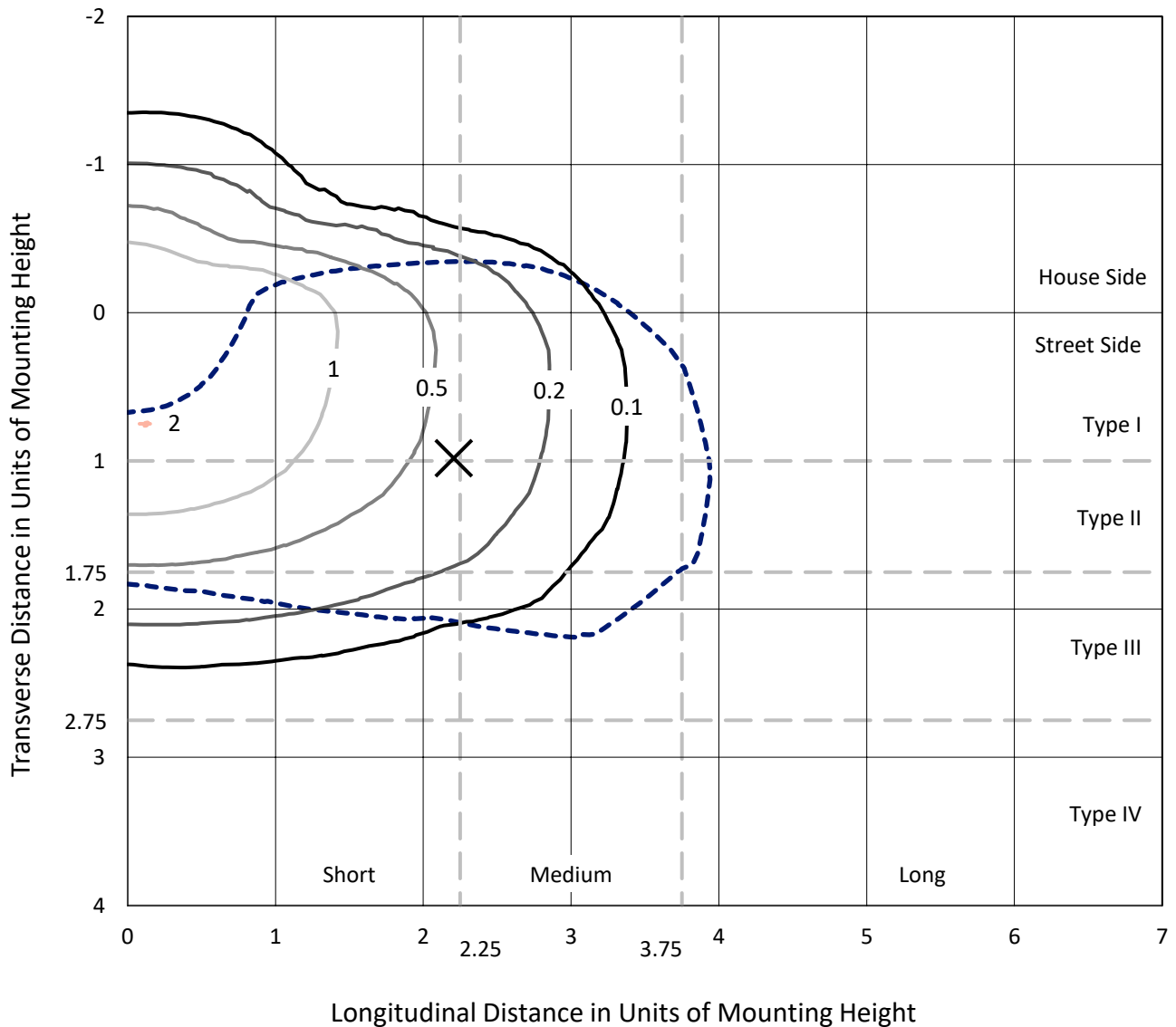
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

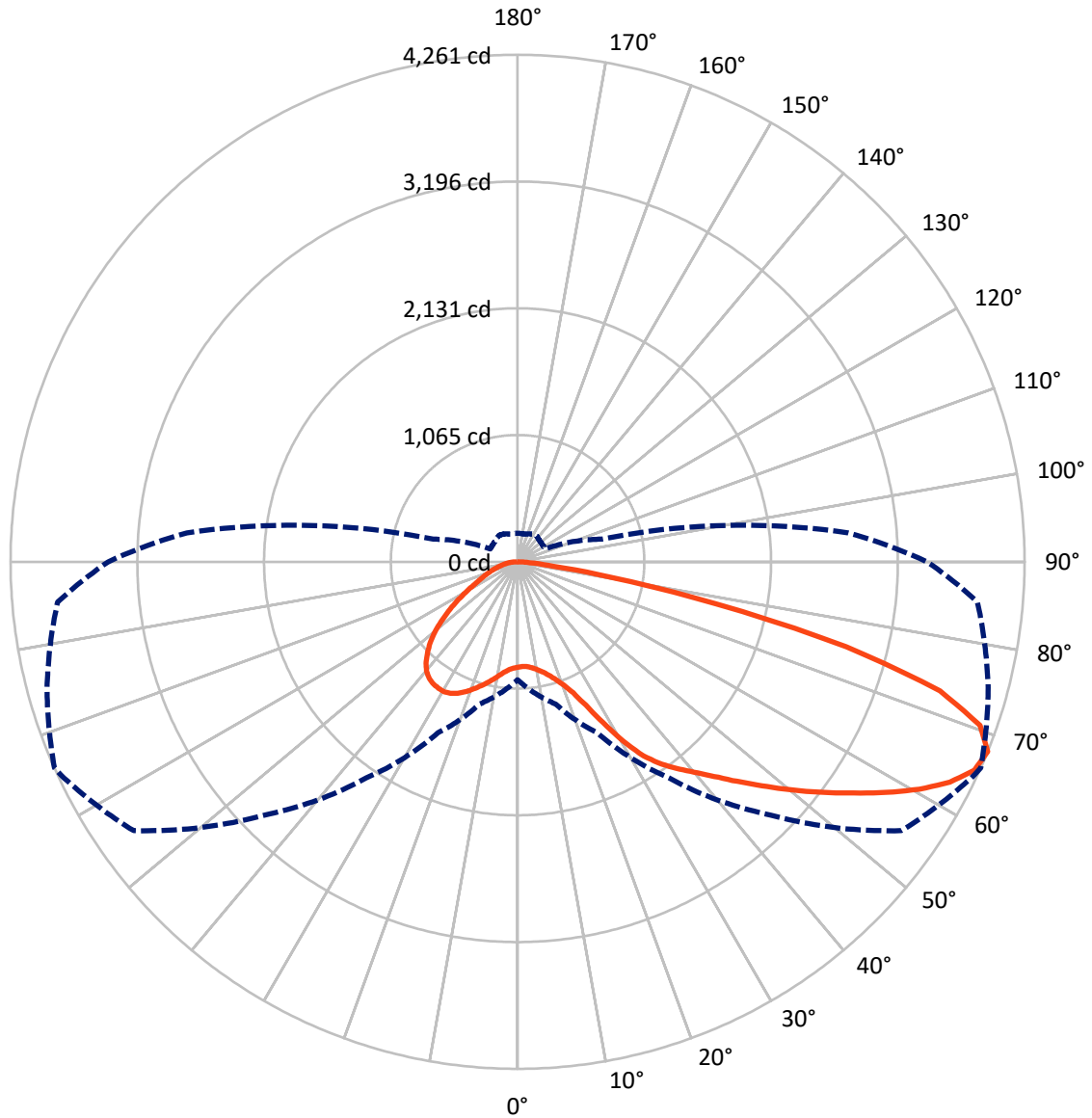
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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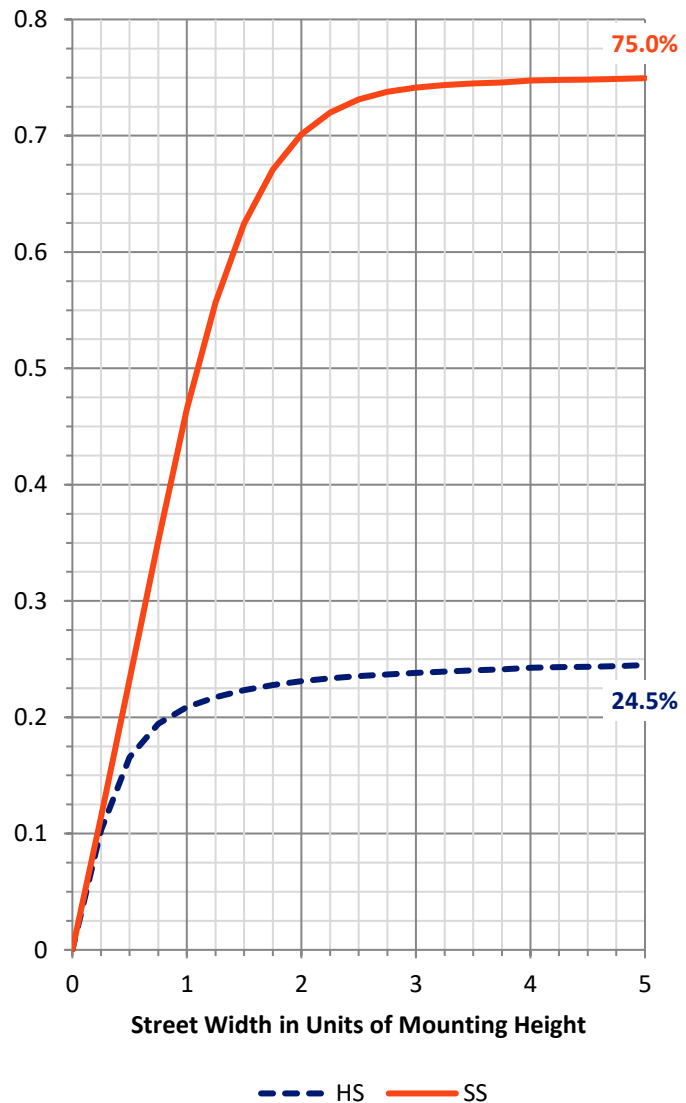
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1985.0	0.0	1985.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5998.1	0.0	5998.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	7983.0	0.0	7983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.1
10°-20°	290.0	3.6
20°-30°	559.0	7.0
30°-40°	980.2	12.3
40°-50°	1457.2	18.3
50°-60°	1847.1	23.1
60°-70°	1807.4	22.6
70°-80°	862.1	10.8
80°-90°	92.1	1.2
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°	7983.0	100.0
0°-180°	7983.0	100.0

Coefficient of Utilization



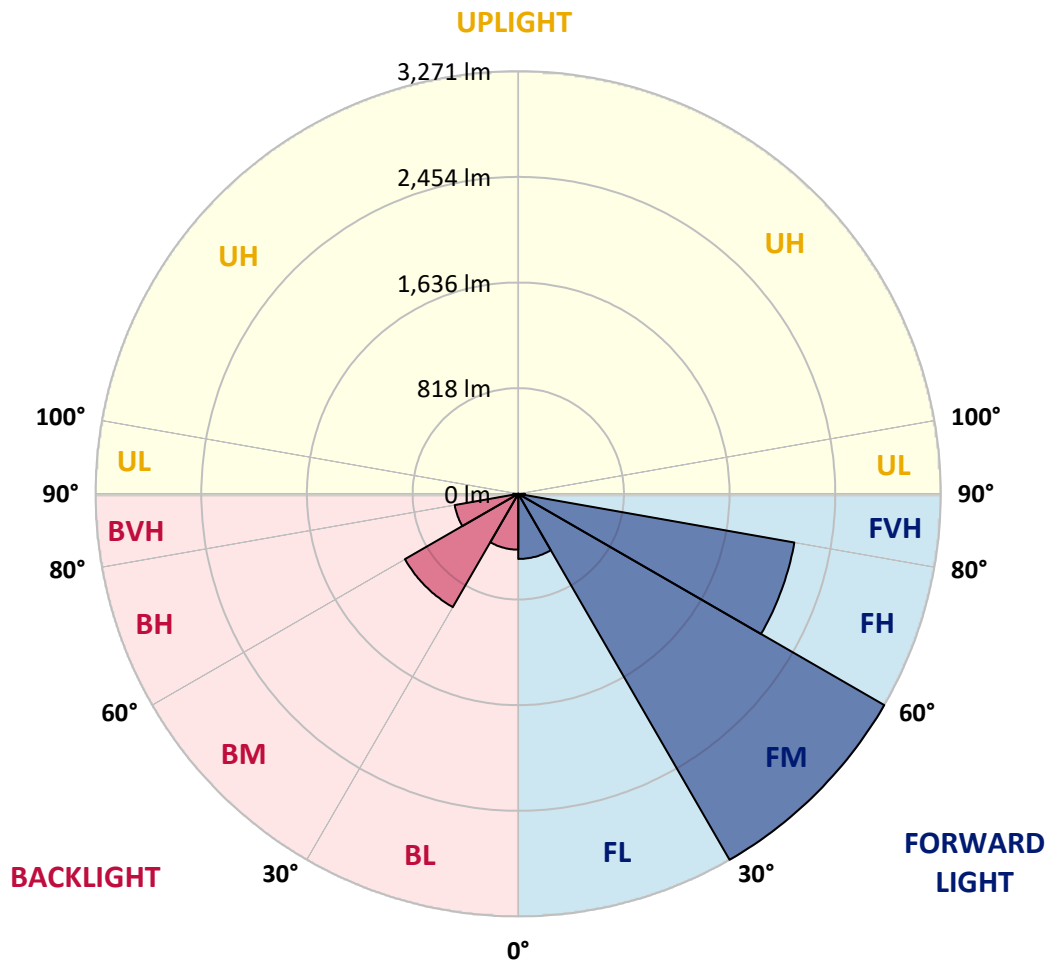
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.4	6.3			
FM (30°-60°)	3271.4	41.0			
FH (60°-80°)	2170.0	27.2			G2/5000
FVH (80°-90°)	52.2	0.7			G1/100
BL (0°-30°)	432.4	5.4	B1/500		
BM (30°-60°)	1013.1	12.7	B2/2500		
BH (60°-80°)	499.5	6.3	B1/500		G1/500
BVH (80°-90°)	39.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	876.2	881.2	880.0	877.9	877.5	878.3	879.5	880.8	880.4	882.5
5°	873.7	878.7	878.3	878.3	880.0	883.3	885.4	887.5	885.4	887.9
7.5°	875.4	879.1	880.8	882.5	886.7	893.0	898.0	902.6	900.1	903.0
10°	896.7	899.7	901.4	901.4	904.3	911.4	916.5	924.8	922.7	927.4
12.5°	935.8	938.7	938.7	937.0	939.1	943.7	945.4	954.6	950.9	958.4
15°	983.6	989.4	984.8	981.9	982.7	987.3	986.9	994.1	990.3	996.6
17.5°	1036.4	1044.0	1036.4	1036.0	1034.3	1039.4	1039.8	1046.1	1039.4	1044.0
20°	1098.9	1109.4	1103.1	1105.2	1101.4	1103.5	1105.6	1114.8	1104.4	1107.7
22.5°	1187.0	1199.6	1192.9	1200.8	1198.3	1196.6	1196.2	1212.6	1196.2	1197.5
25°	1315.3	1330.4	1318.7	1329.6	1329.6	1335.1	1341.3	1362.3	1335.1	1327.1
27.5°	1504.9	1520.0	1497.0	1503.7	1501.6	1515.0	1508.3	1560.3	1530.9	1517.9
30°	1733.1	1759.9	1716.3	1714.6	1712.5	1733.9	1743.6	1778.0	1748.2	1735.2
32.5°	1979.7	2007.8	1955.8	1940.7	1932.7	1945.7	1937.8	1965.5	1944.9	1924.8
35°	2240.6	2268.3	2218.8	2189.4	2157.6	2130.3	2101.8	2108.9	2089.6	2059.0
37.5°	2487.2	2538.0	2485.6	2454.1	2395.4	2342.1	2262.4	2229.3	2211.2	2183.1
40°	2738.5	2767.4	2727.6	2700.7	2637.0	2553.5	2426.0	2355.9	2331.6	2304.4
42.5°	2923.4	2951.1	2929.7	2911.3	2861.4	2764.5	2599.6	2512.0	2476.7	2446.1
45°	3070.2	3090.8	3077.4	3084.1	3062.7	2968.7	2779.6	2679.3	2642.8	2605.5
47.5°	3129.4	3151.2	3172.6	3212.4	3248.9	3179.7	2972.9	2860.5	2821.9	2783.8
50°	3122.7	3144.9	3207.0	3291.7	3404.9	3381.9	3176.8	3053.5	3017.8	2974.2
52.5°	3069.0	3094.1	3173.8	3314.8	3495.1	3533.3	3384.4	3252.7	3219.1	3167.1
55°	2928.1	2943.2	3062.7	3262.3	3516.5	3639.0	3587.8	3464.9	3431.4	3358.8
57.5°	2666.7	2688.6	2862.6	3121.0	3462.8	3710.7	3766.5	3688.1	3655.8	3551.3
60°	2325.7	2360.6	2559.8	2883.6	3326.1	3710.3	3928.8	3907.4	3880.6	3740.9
62.5°	1939.9	1980.1	2171.8	2548.0	3087.0	3605.0	4030.3	4091.1	4077.3	3915.8
65°	1489.8	1517.5	1708.3	2113.9	2715.0	3378.9	4042.1	4216.5	4219.1	4048.8
67.5°	992.0	1071.6	1237.3	1586.3	2216.7	3009.4	3938.9	4237.1	4261.4	4094.5
70°	484.0	588.9	751.2	1031.0	1586.3	2442.8	3669.2	4068.5	4122.6	3961.1
72.5°	200.9	234.9	323.4	508.8	910.6	1648.4	3127.3	3611.3	3711.6	3509.8
75°	135.5	146.8	185.0	260.9	414.8	812.9	2255.3	2692.8	2854.2	2650.8
77.5°	104.4	111.6	134.6	182.5	246.6	307.4	1207.1	1622.8	1706.2	1579.6
80°	82.2	87.7	100.7	133.0	174.9	164.4	411.5	735.3	783.5	657.2
82.5°	71.3	73.4	72.1	90.2	116.2	96.0	135.1	271.4	299.5	217.3
85°	51.6	57.5	60.0	55.8	61.7	48.7	55.4	96.0	105.7	94.4
87.5°	21.0	31.0	38.2	36.1	22.6	13.8	17.2	28.1	32.3	35.2
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°
885.4	0°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
885.8	2.5°	886.3	889.2	891.3	893.8	895.5	898.0	903.0	906.0	906.4	908.5
892.6	5°	894.2	898.4	903.0	909.7	917.3	923.6	933.2	939.9	942.5	944.6
908.9	7.5°	911.4	917.3	925.7	937.4	948.3	956.7	968.5	976.4	984.4	987.3
934.9	10°	937.0	945.4	957.6	973.5	985.2	996.2	1008.3	1015.0	1023.0	1026.3
966.0	12.5°	968.9	977.7	993.6	1015.9	1026.8	1034.3	1038.5	1036.8	1038.5	1041.4
1003.3	15°	1005.4	1015.0	1033.1	1057.0	1064.5	1057.8	1048.6	1040.2	1038.9	1039.8
1048.6	17.5°	1048.6	1055.7	1076.7	1096.8	1091.4	1063.7	1043.5	1030.1	1023.4	1021.3
1106.5	20°	1109.0	1109.0	1126.2	1138.8	1102.3	1055.3	1023.8	1002.0	988.2	982.3
1185.3	22.5°	1182.4	1175.7	1186.6	1177.8	1100.2	1031.8	988.2	950.4	929.5	921.1
1295.6	25°	1275.5	1267.5	1264.6	1210.1	1085.1	994.5	923.6	877.9	859.4	854.8
1454.6	27.5°	1416.0	1395.9	1357.7	1227.7	1057.4	935.8	848.1	805.7	795.2	795.7
1658.9	30°	1603.1	1562.8	1469.3	1230.6	1012.1	852.7	770.9	740.7	735.7	737.8
1830.4	32.5°	1776.3	1738.1	1583.4	1217.2	942.5	771.3	701.7	681.6	674.0	676.5
1961.3	35°	1912.2	1901.7	1689.1	1198.3	856.9	695.0	639.6	622.4	607.8	604.4
2084.6	37.5°	2040.5	2036.3	1768.3	1171.9	772.2	640.9	589.7	567.1	545.7	533.9
2220.9	40°	2181.5	2177.3	1820.3	1131.2	697.1	593.9	544.8	515.1	488.6	467.2
2375.2	42.5°	2340.0	2315.3	1845.1	1072.9	633.3	554.1	508.4	468.1	433.3	413.6
2549.7	45°	2513.2	2457.4	1844.7	998.7	579.7	517.6	469.3	412.3	380.0	361.6
2728.8	47.5°	2696.9	2593.3	1822.0	916.5	527.6	477.3	408.9	365.3	343.9	332.6
2923.4	50°	2886.5	2720.4	1783.4	822.1	474.4	431.6	371.2	341.4	325.1	314.6
3116.4	52.5°	3064.8	2835.8	1736.9	715.1	420.3	387.1	354.4	331.4	314.2	302.4
3303.4	55°	3230.5	2935.2	1671.0	605.7	376.2	357.4	346.5	327.2	307.4	293.6
3493.4	57.5°	3377.7	2999.8	1557.3	502.9	344.8	336.8	338.1	320.0	297.4	285.6
3680.5	60°	3500.2	3047.2	1389.2	407.7	319.2	316.7	325.1	306.6	280.2	266.8
3838.6	62.5°	3573.6	3046.3	1182.8	333.9	297.4	298.2	307.9	289.8	263.0	250.4
3921.3	65°	3567.3	2971.7	956.3	285.6	276.4	277.2	289.8	271.4	248.7	241.2
3879.7	67.5°	3441.0	2789.6	733.6	254.2	253.3	257.1	271.8	258.8	239.9	239.1
3632.3	70°	3099.2	2411.7	528.5	229.0	229.4	234.9	254.2	250.8	235.3	237.0
3053.9	72.5°	2485.1	1838.8	354.8	202.6	203.0	211.8	237.4	244.5	230.7	252.9
2166.8	75°	1655.1	1146.7	228.2	174.5	174.9	186.2	222.7	232.4	218.1	252.1
1127.4	77.5°	795.2	515.5	165.3	146.8	146.8	157.3	192.5	208.0	185.8	195.9
362.4	80°	274.7	193.8	130.0	118.3	115.8	122.9	162.3	180.4	160.2	147.6
118.3	82.5°	108.2	100.7	104.4	91.9	83.5	88.1	126.2	148.9	117.9	106.5
66.7	85°	62.1	65.4	73.8	60.8	48.2	54.1	92.7	107.0	88.9	78.4
21.8	87.5°	16.8	23.1	34.0	31.5	21.8	23.1	44.0	59.1	51.2	39.4
0.0	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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180°
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885.4
908.1
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1042.3
1042.7
1024.3
981.1
919.8
855.6
796.9
744.9
679.9
606.9
534.4
469.3
414.8
360.7
330.1
310.8
297.4
288.1
278.1
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