

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: P939646

Luminaire Tested: **GLAN-SB2B-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 450mA 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: 7936 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

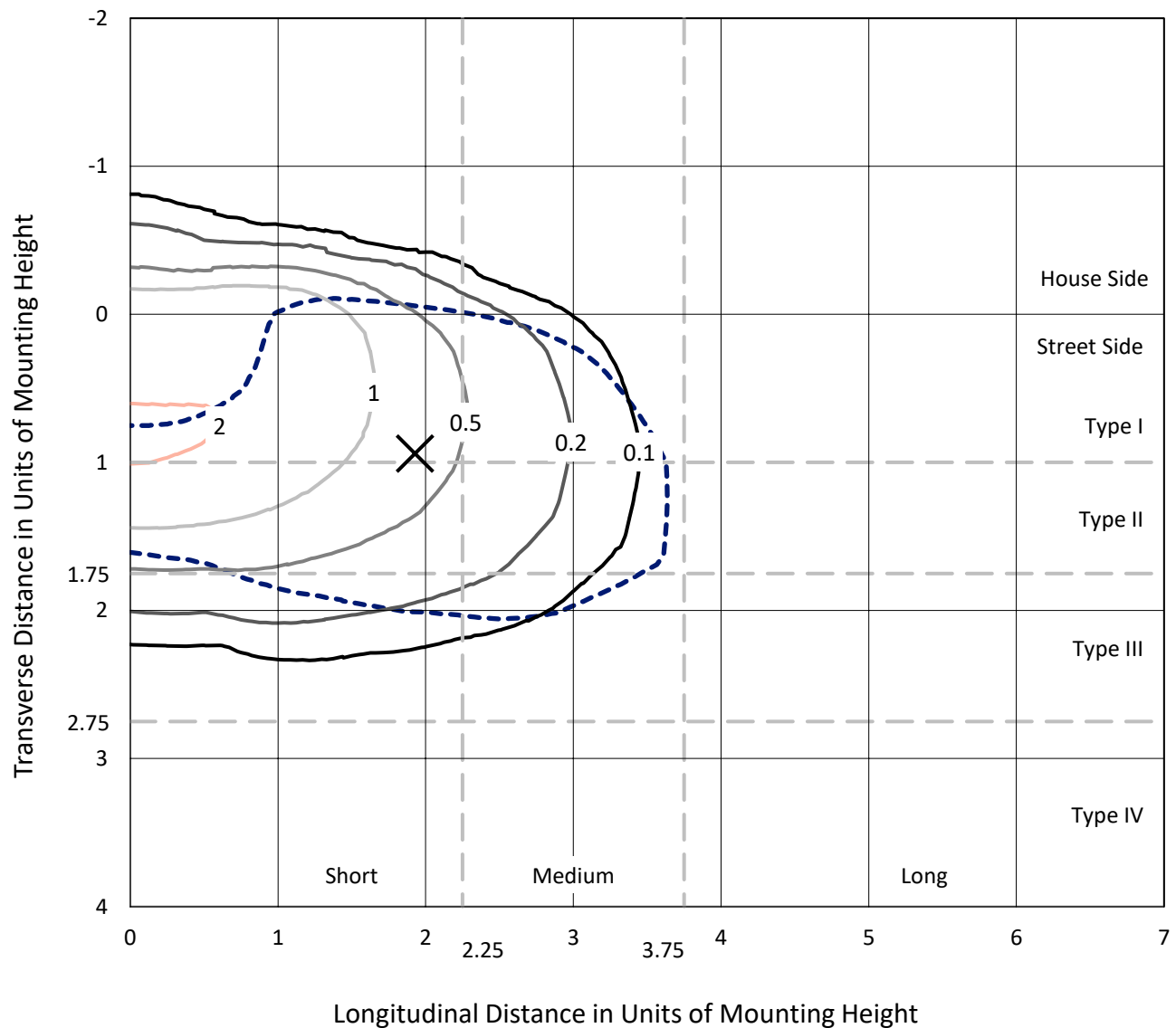


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Iso-Footcandle Lines of Horizontal Illumination

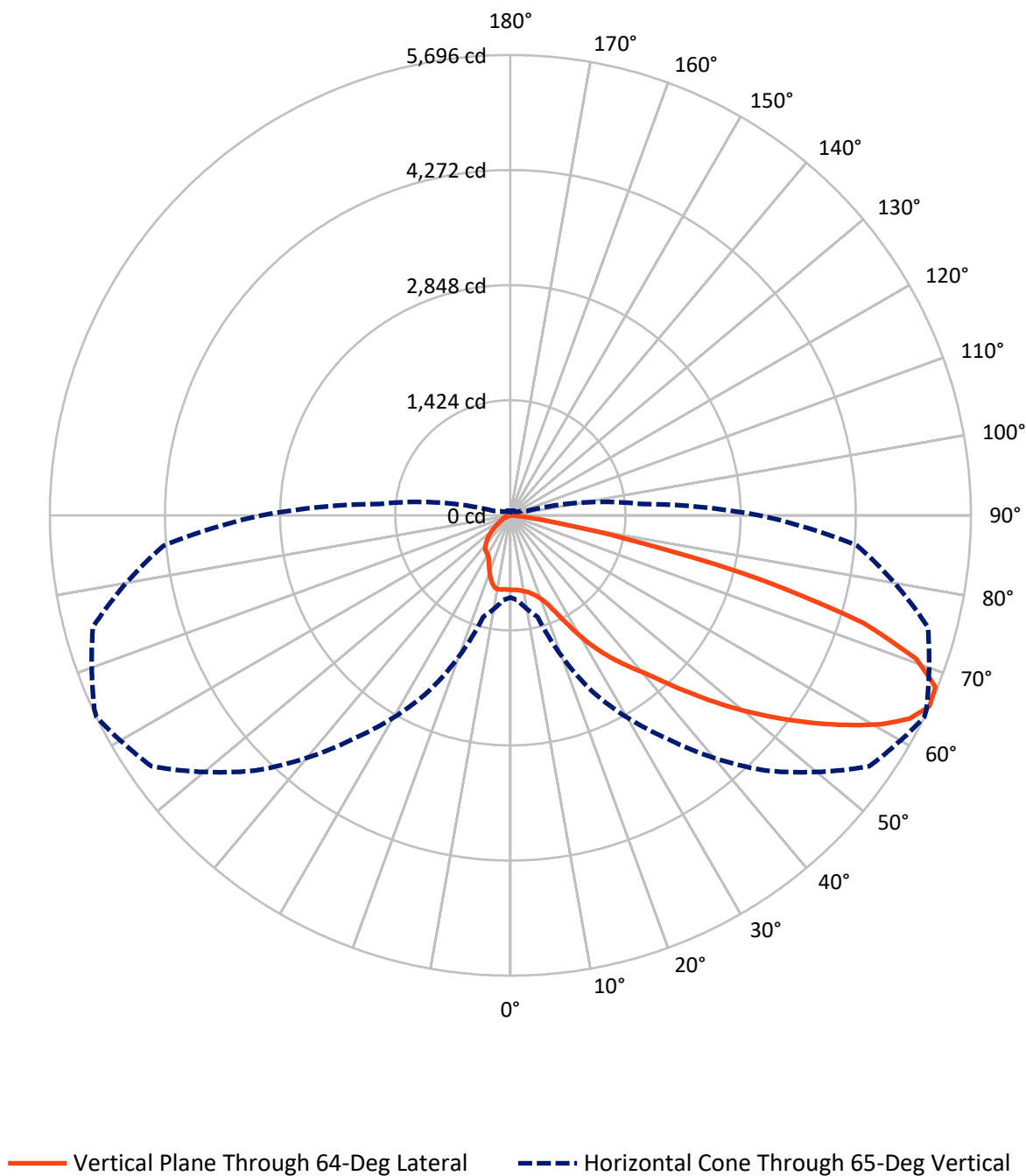
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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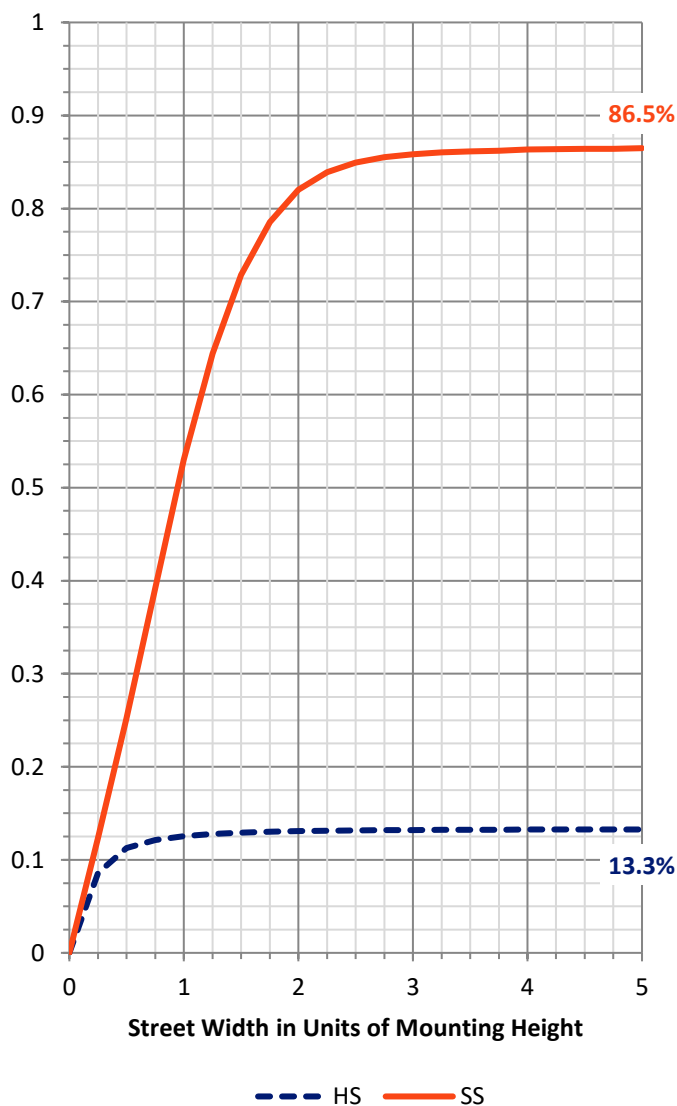
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.3	0.0	1061.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6874.7	0.0	6874.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	7936.0	0.0	7936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.1
10°-20°	231.0	2.9
20°-30°	437.7	5.5
30°-40°	885.7	11.2
40°-50°	1508.7	19.0
50°-60°	2051.8	25.9
60°-70°	1926.7	24.3
70°-80°	771.9	9.7
80°-90°	37.4	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°	7936.0	100.0
0°-180°	7936.0	100.0

Coefficient of Utilization



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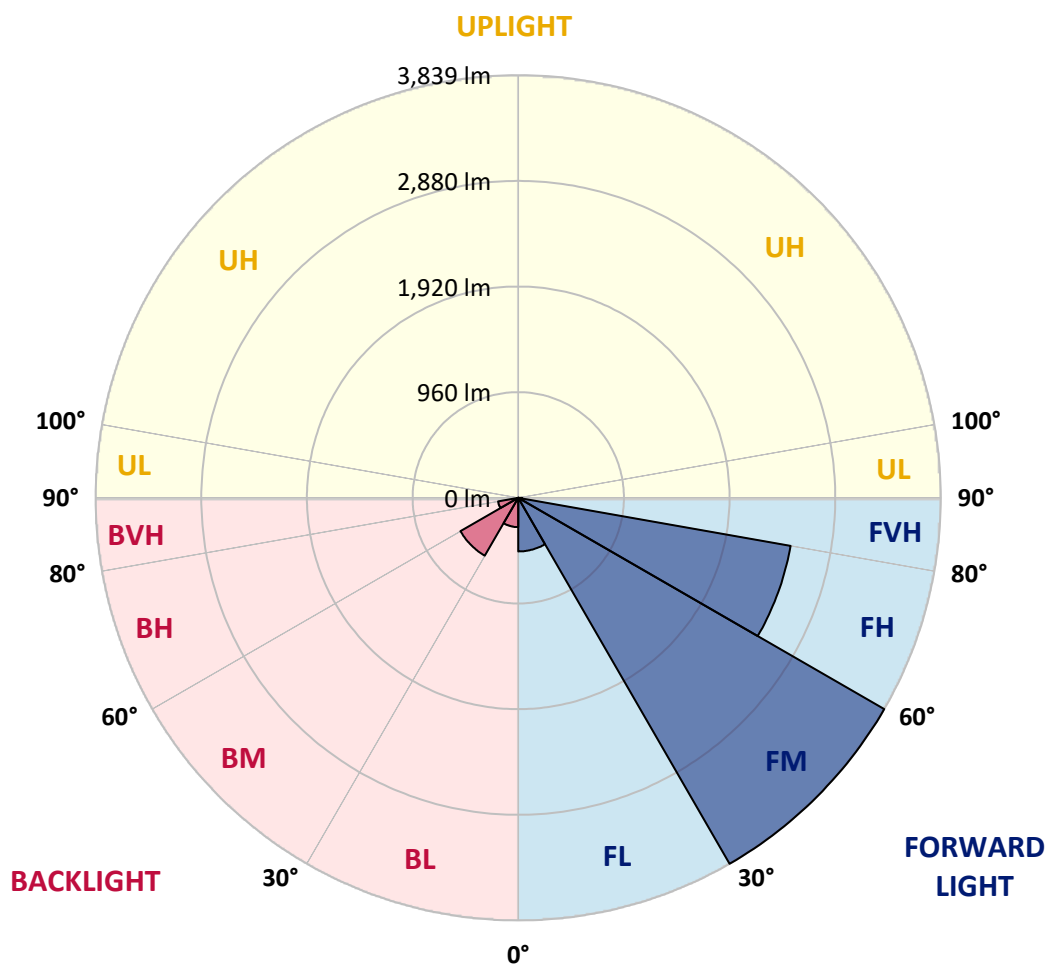
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	487.4	6.1			
FM	(30°-60°)	3839.4	48.4			
FH	(60°-80°)	2512.4	31.7			G2/5000
FVH	(80°-90°)	35.6	0.4			G1/100
BL	(0°-30°)	266.5	3.4	B1/500		
BM	(30°-60°)	606.7	7.6	B1/1000		
BH	(60°-80°)	186.3	2.3	B1/500		G1/500
BVH	(80°-90°)	1.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
2.5°	919.8	926.2	924.6	923.0	922.5	923.6	924.1	923.6	923.6	923.6
5°	902.3	907.6	907.6	911.3	916.7	923.0	927.8	928.9	930.0	931.6
7.5°	868.8	873.0	876.2	888.5	901.8	918.8	933.1	940.6	941.7	947.5
10°	845.9	851.2	856.5	869.3	888.5	914.0	938.5	956.6	959.2	973.0
12.5°	844.8	850.2	857.1	870.9	893.2	920.4	950.2	976.2	981.0	1001.2
15°	856.0	862.4	868.8	885.8	909.7	942.7	974.6	1007.1	1011.9	1040.6
17.5°	878.9	887.4	892.2	909.2	934.7	971.5	1013.5	1050.7	1055.0	1088.5
20°	924.1	934.2	935.8	949.6	974.6	1014.0	1064.0	1110.3	1115.6	1153.9
22.5°	1017.7	1032.1	1019.3	1026.2	1048.6	1088.0	1142.2	1200.7	1208.2	1251.8
25°	1182.7	1202.9	1169.9	1158.2	1167.8	1208.7	1276.8	1350.8	1359.3	1394.4
27.5°	1506.7	1480.6	1430.6	1381.6	1352.9	1376.3	1452.9	1544.4	1555.1	1589.1
30°	1862.6	1839.7	1772.1	1663.6	1595.5	1591.8	1662.5	1764.7	1776.9	1809.4
32.5°	2219.0	2197.2	2123.8	1990.3	1872.1	1813.6	1862.6	1975.9	1982.3	2003.0
35°	2569.6	2547.3	2473.9	2337.1	2191.9	2058.9	2049.3	2177.0	2179.1	2200.9
37.5°	2922.3	2903.7	2825.5	2691.4	2548.3	2364.8	2275.9	2367.4	2370.1	2391.4
40°	3174.0	3182.0	3128.2	3024.5	2901.6	2701.0	2530.2	2570.1	2554.2	2589.8
42.5°	3390.0	3405.9	3359.1	3307.0	3235.7	3059.1	2845.2	2838.3	2812.7	2831.9
45°	3576.7	3590.0	3548.0	3535.7	3534.1	3410.2	3189.4	3147.9	3112.3	3108.5
47.5°	3645.3	3670.9	3689.0	3729.9	3809.7	3757.6	3545.3	3480.9	3441.0	3411.8
50°	3671.4	3698.5	3760.3	3879.4	4068.3	4090.6	3899.6	3827.3	3778.3	3725.1
52.5°	3636.3	3684.7	3767.7	3968.3	4242.3	4357.7	4239.6	4176.3	4120.4	4033.7
55°	3429.3	3477.8	3647.5	3967.2	4329.0	4545.0	4560.9	4532.7	4470.0	4333.2
57.5°	2993.1	3064.9	3333.6	3832.1	4327.4	4706.2	4875.9	4896.1	4825.9	4630.1
60°	2388.7	2486.1	2813.8	3532.6	4193.8	4793.4	5152.0	5253.1	5178.6	4922.7
62.5°	1666.8	1779.6	2089.7	3063.3	3888.5	4730.6	5353.6	5540.4	5484.0	5184.4
65°	1016.7	1052.8	1302.9	2410.5	3369.2	4467.8	5415.9	5695.7	5677.1	5344.6
67.5°	677.3	707.6	779.4	1653.0	2615.4	3942.7	5266.9	5668.6	5673.9	5318.5
70°	408.1	434.1	480.9	961.3	1695.0	3120.8	4805.7	5322.8	5353.6	4970.0
72.5°	168.1	185.7	228.2	435.7	877.8	1980.7	3826.8	4570.0	4641.8	4178.9
75°	95.2	104.3	134.1	218.7	380.9	923.0	2318.0	3244.2	3350.1	2880.3
77.5°	63.3	67.6	86.7	141.5	214.4	315.0	990.6	1690.2	1892.4	1573.2
80°	42.6	46.3	59.6	94.7	139.4	135.1	315.5	626.2	770.4	540.5
82.5°	28.7	29.3	42.6	62.2	88.3	65.4	93.1	194.7	244.7	156.4
85°	16.5	16.0	31.4	36.2	39.4	27.1	28.2	58.5	76.6	66.0
87.5°	2.1	3.2	12.2	9.6	5.3	5.9	5.9	10.1	14.9	16.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
923.0	0°	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
924.1	2.5°	924.1	923.6	922.0	920.4	916.7	914.5	915.6	914.5	914.0	914.5
931.0	5°	931.0	929.4	925.2	919.8	912.4	903.4	897.5	889.0	881.0	876.2
949.6	7.5°	949.6	948.0	942.2	927.3	903.4	865.6	831.0	800.7	777.8	764.5
979.4	10°	979.4	976.8	967.7	934.7	872.0	789.5	720.9	663.9	626.7	609.2
1014.5	12.5°	1014.5	1011.4	995.4	927.8	812.4	683.6	588.9	525.6	491.0	475.6
1055.0	15°	1056.0	1051.8	1020.4	894.8	725.7	566.6	479.9	432.5	410.2	396.3
1106.6	17.5°	1107.6	1100.2	1039.0	845.4	631.5	477.2	412.8	377.2	357.5	344.2
1174.1	20°	1174.7	1162.4	1053.9	786.3	544.8	420.8	367.6	337.8	322.9	311.2
1269.9	22.5°	1268.3	1250.8	1072.0	722.5	483.6	382.0	334.1	312.3	300.1	286.8
1403.4	25°	1384.3	1363.5	1094.3	663.4	441.6	348.5	309.6	291.5	277.2	261.7
1578.5	27.5°	1546.6	1509.3	1120.9	615.0	405.4	319.7	287.3	267.1	250.6	237.8
1776.9	30°	1727.4	1666.3	1144.4	585.7	372.4	293.1	258.0	237.8	222.4	213.3
1955.1	32.5°	1898.7	1815.8	1159.8	573.0	342.6	262.8	226.1	204.3	192.6	189.9
2129.6	35°	2060.5	1950.9	1158.2	560.7	316.0	232.5	194.7	172.4	163.3	164.9
2317.4	37.5°	2246.7	2095.1	1147.0	541.6	294.2	204.8	167.6	147.9	139.9	140.5
2545.7	40°	2463.2	2261.6	1140.1	505.4	270.3	179.3	145.2	129.3	123.4	121.3
2786.1	42.5°	2694.1	2422.8	1141.2	464.4	240.5	156.4	129.8	116.5	111.2	109.6
3053.7	45°	2926.1	2576.5	1142.8	421.9	209.1	138.9	118.6	107.5	104.3	102.1
3325.1	47.5°	3144.2	2707.4	1113.0	376.1	178.2	125.6	109.6	102.1	99.5	96.8
3597.5	50°	3347.4	2794.7	1041.1	322.9	153.8	114.9	102.7	97.4	94.7	92.0
3844.3	52.5°	3505.4	2808.5	922.5	268.1	136.7	106.9	98.4	93.6	90.4	87.8
4043.8	55°	3575.6	2721.8	753.9	217.1	123.4	100.0	94.2	89.4	85.7	83.0
4200.8	57.5°	3557.6	2539.3	587.9	174.5	110.7	93.1	88.8	85.7	81.4	77.1
4327.9	60°	3468.7	2295.1	443.2	145.2	99.0	85.7	83.0	80.3	74.5	68.1
4376.9	62.5°	3315.0	1988.1	316.0	120.2	86.2	77.1	76.1	73.9	65.4	53.7
4304.5	65°	3079.8	1615.2	212.8	100.0	73.9	67.6	68.1	64.4	53.2	39.9
4039.6	67.5°	2736.1	1181.1	136.2	81.9	61.7	56.4	56.9	54.8	45.2	34.0
3537.3	70°	2298.3	782.1	88.8	62.2	49.5	43.6	46.8	47.3	38.3	27.7
2714.9	72.5°	1684.9	461.8	62.2	46.3	36.2	30.3	38.3	39.4	30.9	20.7
1633.3	75°	960.3	219.2	46.8	33.5	22.3	21.3	29.8	29.8	21.3	13.8
707.0	77.5°	403.3	91.5	33.0	21.8	12.8	12.2	20.2	18.6	10.6	6.4
172.4	80°	116.5	41.0	17.6	10.6	5.3	4.8	8.0	5.9	2.7	1.1
65.4	82.5°	45.8	18.1	6.9	4.3	2.1	2.1	1.1	0.0	0.0	0.0
37.2	85°	27.1	7.4	3.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0
8.0	87.5°	6.9	1.6	1.1	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

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180°
923.0
916.7
877.3
765.0
607.6
474.0
396.9
343.1
309.1
284.6
260.2
235.1
211.7
191.5
164.9
142.6
120.8
109.1
102.1
96.8
92.0
87.2
82.5
76.6
67.0
52.7
38.8
32.5
26.6
19.7
12.8
6.4
1.1
0.0
0.0
0.0
0.0