

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: P952676

Luminaire Tested: **GALN-SB6B-950-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-950-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20112 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

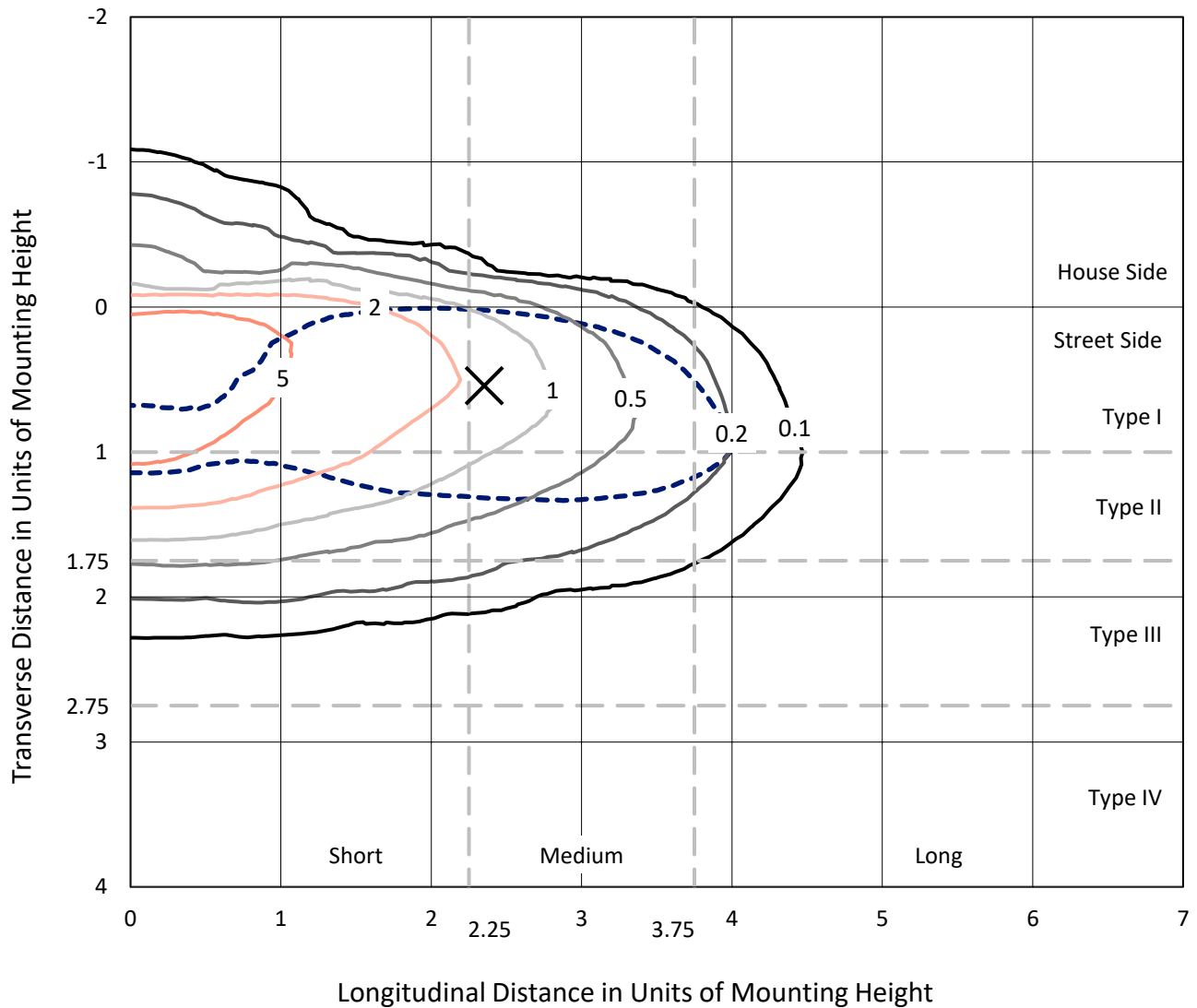
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

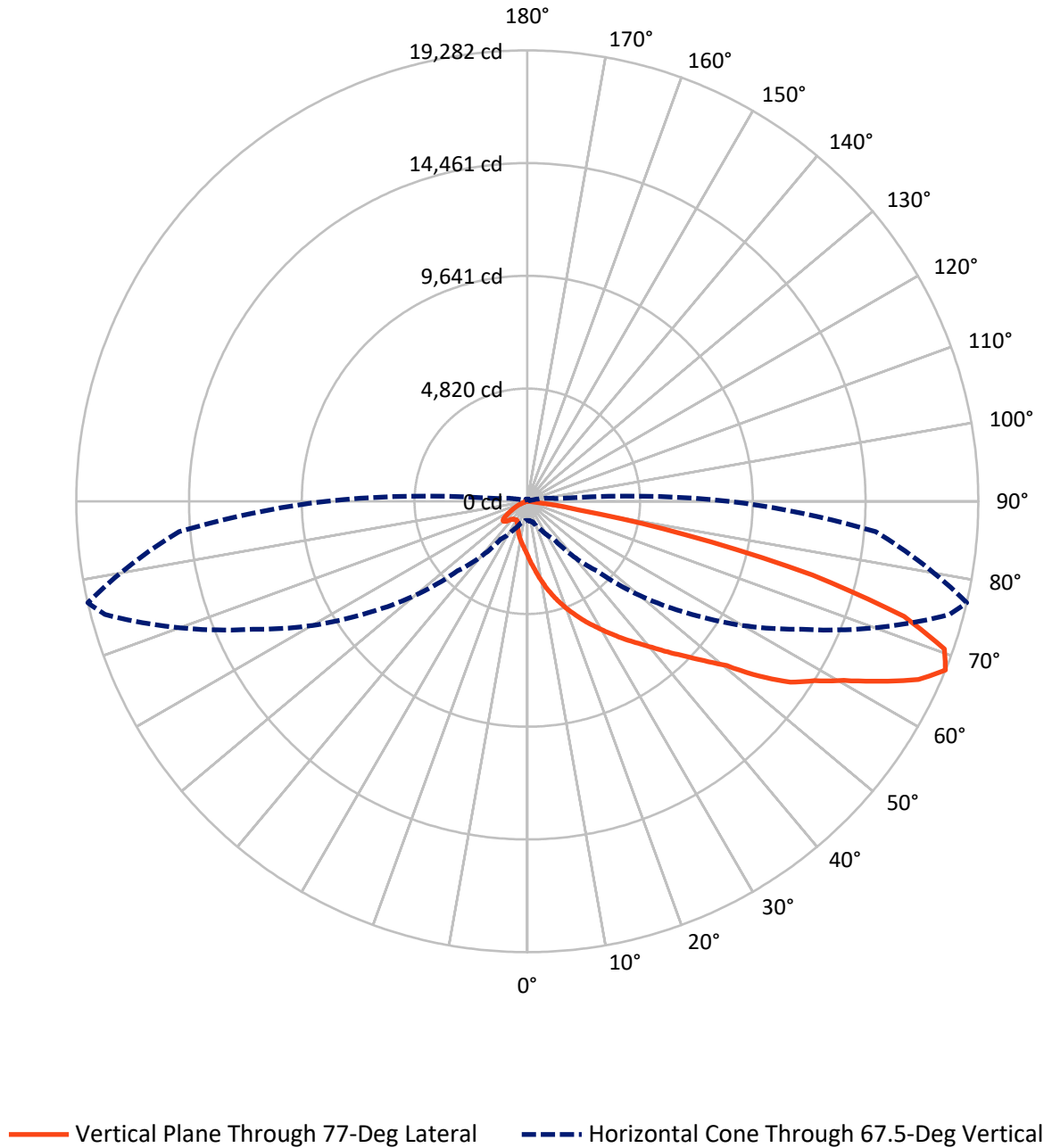
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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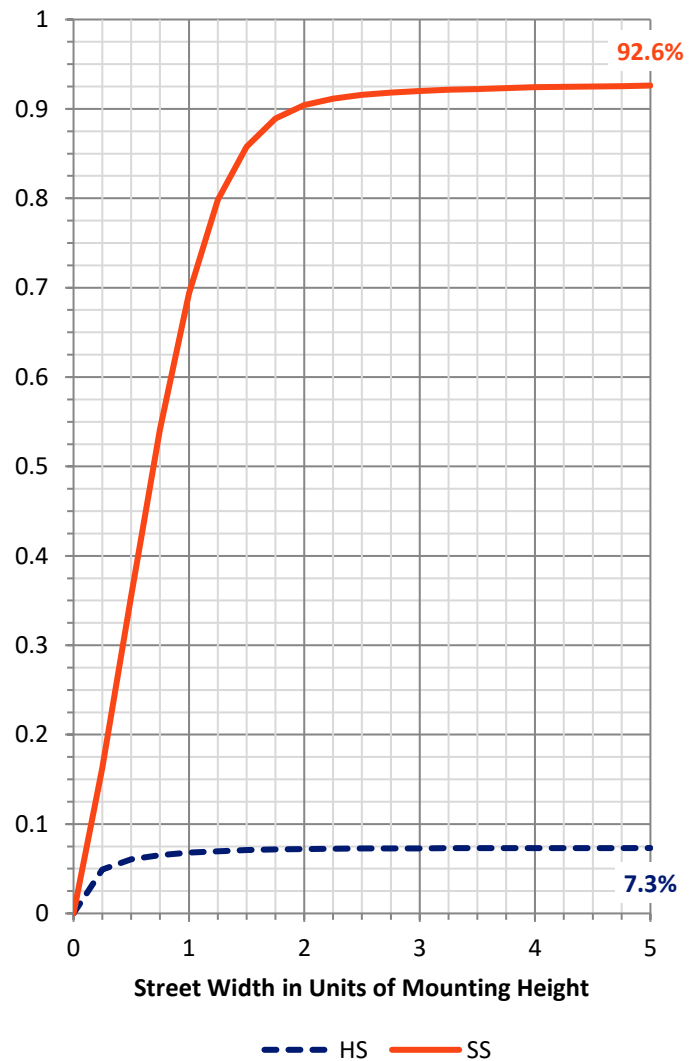
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1479.7	0.0	1479.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	18632.3	0.0	18632.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	20112.0	0.0	20112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.7	1.2
10°-20°	828.9	4.1
20°-30°	1599.6	8.0
30°-40°	2777.0	13.8
40°-50°	4032.1	20.0
50°-60°	4630.4	23.0
60°-70°	4020.0	20.0
70°-80°	1893.5	9.4
80°-90°	93.6	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°	20112.0	100.0
0°-180°	20112.0	100.0

Coefficient of Utilization



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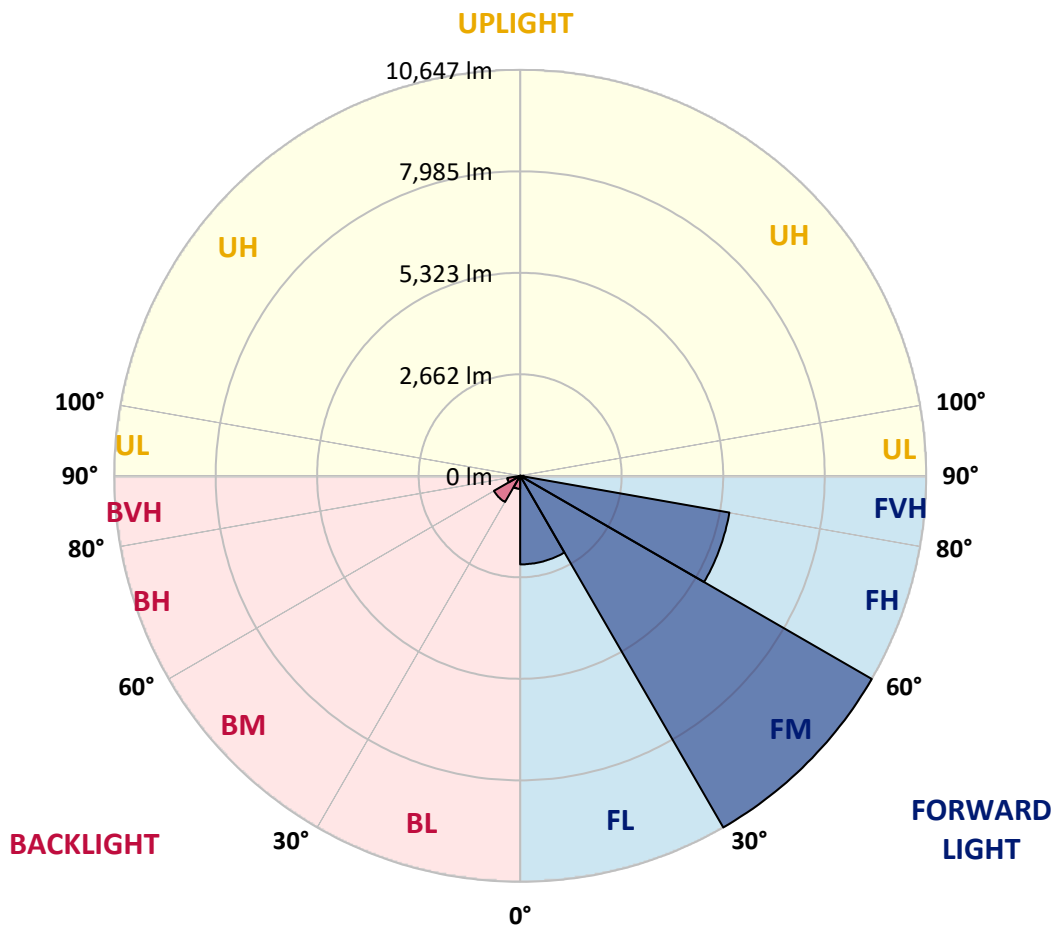
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2322.7	11.5			
FM (30°-60°)	10646.7	52.9			
FH (60°-80°)	5571.0	27.7			G3/7500
FVH (80°-90°)	91.9	0.5			G1/100
BL (0°-30°)	342.6	1.7	B1/500		
BM (30°-60°)	792.8	3.9	B1/1000		
BH (60°-80°)	342.6	1.7	B1/500		G1/500
BVH (80°-90°)	1.7	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2
2.5°	3210.9	3230.9	3202.2	3147.2	3064.8	3011.1	2880.0	2756.3	2618.9	2575.2
5°	3914.1	3931.5	3899.1	3839.1	3729.2	3624.3	3452.0	3193.4	2924.9	2838.8
7.5°	4434.8	4444.8	4432.3	4377.4	4272.5	4153.8	3961.5	3655.5	3257.1	3162.2
10°	4809.5	4842.0	4838.2	4817.0	4747.1	4650.9	4446.1	4097.6	3629.3	3506.9
12.5°	5058.0	5094.3	5115.5	5163.0	5159.2	5098.0	4918.2	4549.7	4000.2	3856.6
15°	5130.5	5169.2	5250.4	5360.3	5457.7	5488.9	5362.8	4993.1	4408.6	4225.0
17.5°	5089.3	5149.2	5246.6	5420.2	5633.8	5774.9	5761.2	5421.5	4779.5	4569.7
20°	5180.4	5237.9	5314.1	5460.2	5708.7	5964.8	6067.2	5831.1	5148.0	4928.2
22.5°	5685.0	5675.0	5682.5	5706.2	5854.8	6108.4	6319.4	6203.3	5512.6	5287.8
25°	6484.3	6439.3	6363.2	6234.5	6197.0	6319.4	6539.2	6533.0	5897.3	5656.3
27.5°	7401.0	7393.5	7214.9	6905.2	6730.3	6682.9	6787.8	6854.0	6278.2	6021.0
30°	8279.0	8298.9	8057.9	7713.2	7392.2	7206.2	7111.2	7158.7	6665.4	6414.4
32.5°	9043.3	9064.5	8802.3	8398.9	8001.7	7776.9	7577.1	7459.7	7087.5	6814.0
35°	9689.0	9710.2	9409.2	8963.4	8540.0	8336.4	8110.4	7789.4	7512.1	7257.4
37.5°	10266.0	10259.7	9856.3	9406.7	8990.8	8829.7	8711.1	8195.3	7949.3	7703.2
40°	10606.9	10633.1	10288.4	9792.6	9389.2	9271.8	9264.3	8698.6	8453.8	8215.3
42.5°	10706.8	10753.0	10503.3	10096.1	9730.2	9602.8	9798.9	9243.1	9040.8	8808.5
45°	10527.0	10571.9	10458.3	10176.0	9962.5	9880.1	10258.5	9807.6	9667.7	9437.9
47.5°	10002.4	10058.6	10086.1	10026.2	10023.7	10107.4	10670.6	10402.1	10412.1	10177.3
50°	8987.1	9082.0	9334.3	9546.6	9875.1	10287.2	11071.5	11046.5	11251.3	11049.0
52.5°	7141.2	7276.1	8145.3	8726.1	9464.2	10253.5	11512.4	12080.6	12723.8	12427.8
55°	5738.7	5738.7	6445.6	7532.1	8662.4	10031.2	11704.7	12752.5	13726.7	13656.7
57.5°	4678.4	4734.6	5185.4	6145.8	7502.1	9501.6	11823.3	13174.7	14534.7	14483.5
60°	2887.5	3008.6	3860.4	4808.3	6182.1	8558.7	11748.4	13601.8	15515.1	15556.3
62.5°	1626.1	1671.0	2050.7	3459.5	4807.0	7291.1	11175.2	13840.3	16769.0	16943.8
65°	1122.8	1145.2	1291.4	2153.1	3332.1	5804.9	10054.9	13691.7	18025.4	18378.8
67.5°	815.5	826.8	917.9	1315.1	1977.0	4208.8	8298.9	12942.4	18691.1	19281.8
70°	626.9	634.4	700.6	864.2	1167.7	2597.7	6027.2	11452.4	18209.0	18914.6
72.5°	509.6	517.0	568.2	639.4	774.3	1536.1	3653.0	9300.6	16080.8	16842.7
75°	429.6	439.6	485.8	532.0	607.0	986.6	1713.5	6476.8	12093.1	12592.7
77.5°	238.5	219.8	394.7	440.9	512.0	624.5	801.8	3811.6	6772.8	6911.4
80°	148.6	153.6	313.5	354.7	393.4	314.7	367.2	1467.5	2347.9	2230.5
82.5°	8.7	20.0	241.0	256.0	269.8	134.9	138.6	498.3	565.8	519.5
85°	0.0	0.0	109.9	88.7	93.7	38.7	40.0	116.1	76.2	82.4
87.5°	0.0	0.0	0.0	2.5	0.0	3.7	7.5	10.0	3.7	5.0
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°
2319.2	0°	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2	2319.2
2437.9	2.5°	2350.4	2263.0	2085.7	1912.1	1770.9	1639.8	1546.1	1457.5	1412.5	1410.0
2595.2	5°	2421.6	2238.0	1883.3	1569.9	1317.6	1115.3	984.1	890.5	843.0	826.8
2788.8	7.5°	2521.5	2245.5	1706.0	1270.1	972.9	799.3	724.4	694.4	684.4	673.2
3007.4	10°	2647.7	2263.0	1547.4	1022.8	766.8	679.4	649.4	636.9	629.4	622.0
3253.4	12.5°	2788.8	2279.2	1390.0	849.3	674.4	629.4	608.2	593.2	583.2	574.5
3505.7	15°	2926.2	2289.2	1226.4	728.1	626.9	590.7	568.2	552.0	538.3	528.3
3752.9	17.5°	3062.3	2303.0	1072.8	655.7	588.2	552.0	529.5	509.6	498.3	487.1
4012.7	20°	3213.4	2300.5	927.9	604.5	549.5	513.3	489.6	470.8	459.6	447.1
4287.5	22.5°	3353.3	2288.0	800.5	560.8	509.6	474.6	448.4	429.6	418.4	408.4
4568.5	25°	3514.4	2278.0	694.4	520.8	472.1	437.1	408.4	390.9	378.4	369.7
4850.7	27.5°	3669.3	2263.0	617.0	484.6	435.9	402.1	374.7	354.7	343.4	337.2
5141.7	30°	3821.6	2259.3	588.2	449.6	403.4	369.7	342.2	323.5	314.7	312.2
5461.4	32.5°	4005.2	2269.3	600.7	437.1	373.4	339.7	313.5	299.7	291.0	291.0
5817.4	35°	4201.3	2266.8	619.5	448.4	353.4	309.7	289.7	281.0	272.3	272.3
6212.0	37.5°	4447.3	2270.5	634.4	467.1	345.9	284.7	273.5	262.3	257.3	257.3
6644.2	40°	4814.5	2394.1	626.9	483.3	343.4	267.3	244.8	241.0	237.3	237.3
7132.5	42.5°	5264.1	2662.7	636.9	484.6	342.2	254.8	224.8	232.3	223.6	222.3
7683.2	45°	5756.2	2956.1	700.6	458.3	340.9	248.5	214.8	223.6	209.8	209.8
8321.4	47.5°	6244.5	3247.1	765.6	420.9	337.2	247.3	206.1	201.1	197.3	198.6
9153.2	50°	6917.7	3484.4	790.6	369.7	328.5	244.8	189.8	191.1	188.6	191.1
10325.9	52.5°	7650.8	3534.4	760.6	312.2	303.5	237.3	178.6	183.6	182.3	184.8
11151.4	55°	8107.9	3480.7	628.2	259.8	264.8	207.3	167.4	177.3	177.3	177.3
11958.2	57.5°	8580.0	3252.1	445.9	211.1	219.8	169.9	157.4	171.1	169.9	168.6
12929.9	60°	8919.7	2882.5	293.5	173.6	174.8	139.9	146.1	161.1	159.9	153.6
13931.5	62.5°	9173.2	2474.1	188.6	147.4	133.6	126.1	133.6	146.1	141.1	127.4
14780.7	65°	9144.5	1908.3	144.9	126.1	109.9	109.9	116.1	127.4	112.4	89.9
14943.1	67.5°	8611.2	1291.4	119.9	106.2	92.4	91.2	96.2	106.2	96.2	76.2
14111.3	70°	7658.3	844.3	96.2	82.4	73.7	67.4	77.4	91.2	81.2	61.2
12013.2	72.5°	6215.8	514.5	72.4	59.9	53.7	43.7	61.2	74.9	64.9	45.0
8353.9	75°	4021.5	262.3	50.0	38.7	28.7	26.2	45.0	56.2	45.0	27.5
3706.7	77.5°	1538.6	109.9	27.5	17.5	15.0	12.5	25.0	33.7	18.7	6.2
718.1	80°	296.0	46.2	13.7	8.7	7.5	5.0	3.7	2.5	0.0	0.0
127.4	82.5°	51.2	15.0	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
25.0	85°	17.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	87.5°	6.2	0.0	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

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180°
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2319.2
1407.5
824.3
670.7
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445.9
407.1
368.4
337.2
311.0
291.0
272.3
257.3
237.3
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209.8
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