

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: P953379

Luminaire Tested: **GALN-SB6D-950-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-950-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36601 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

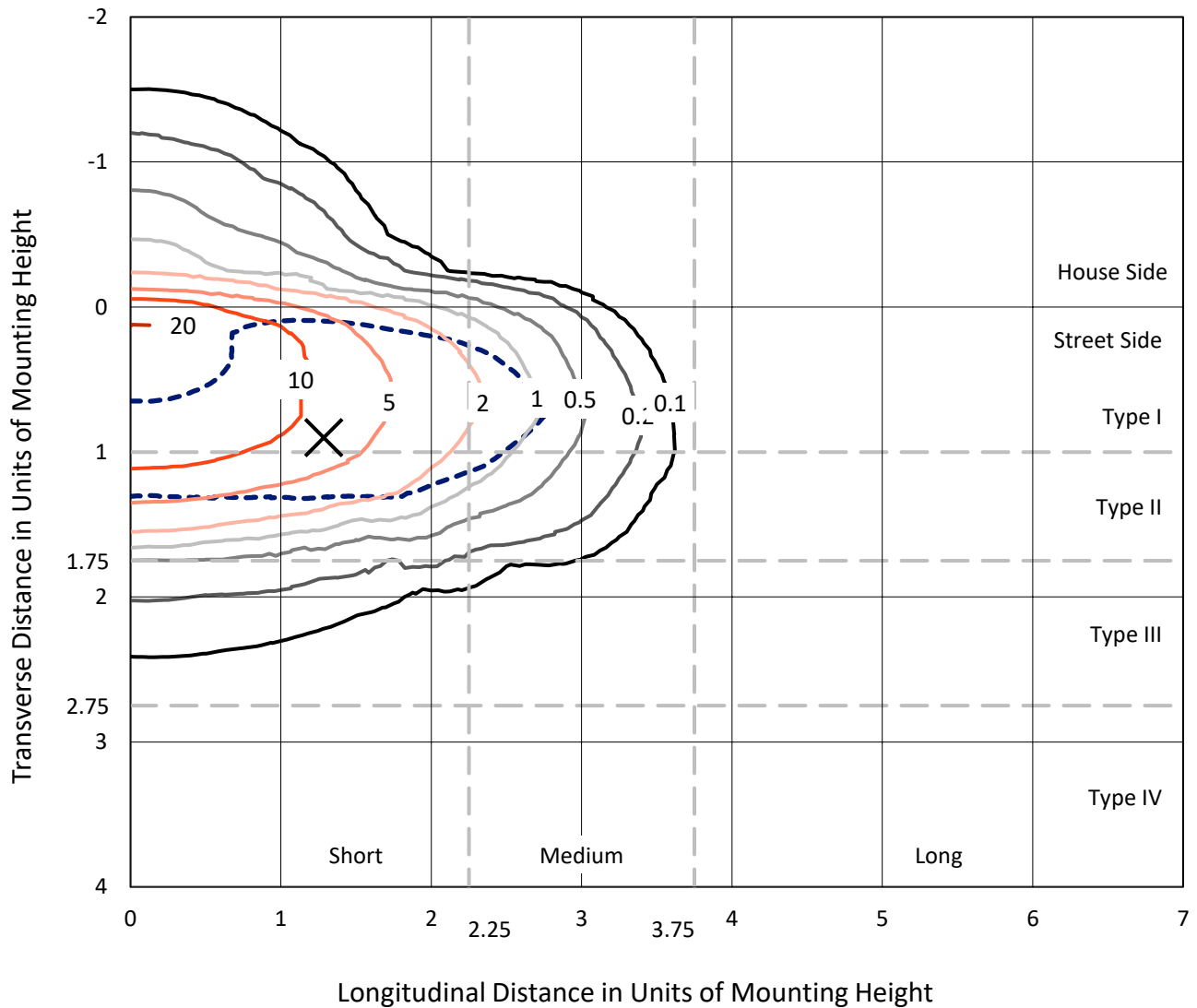
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

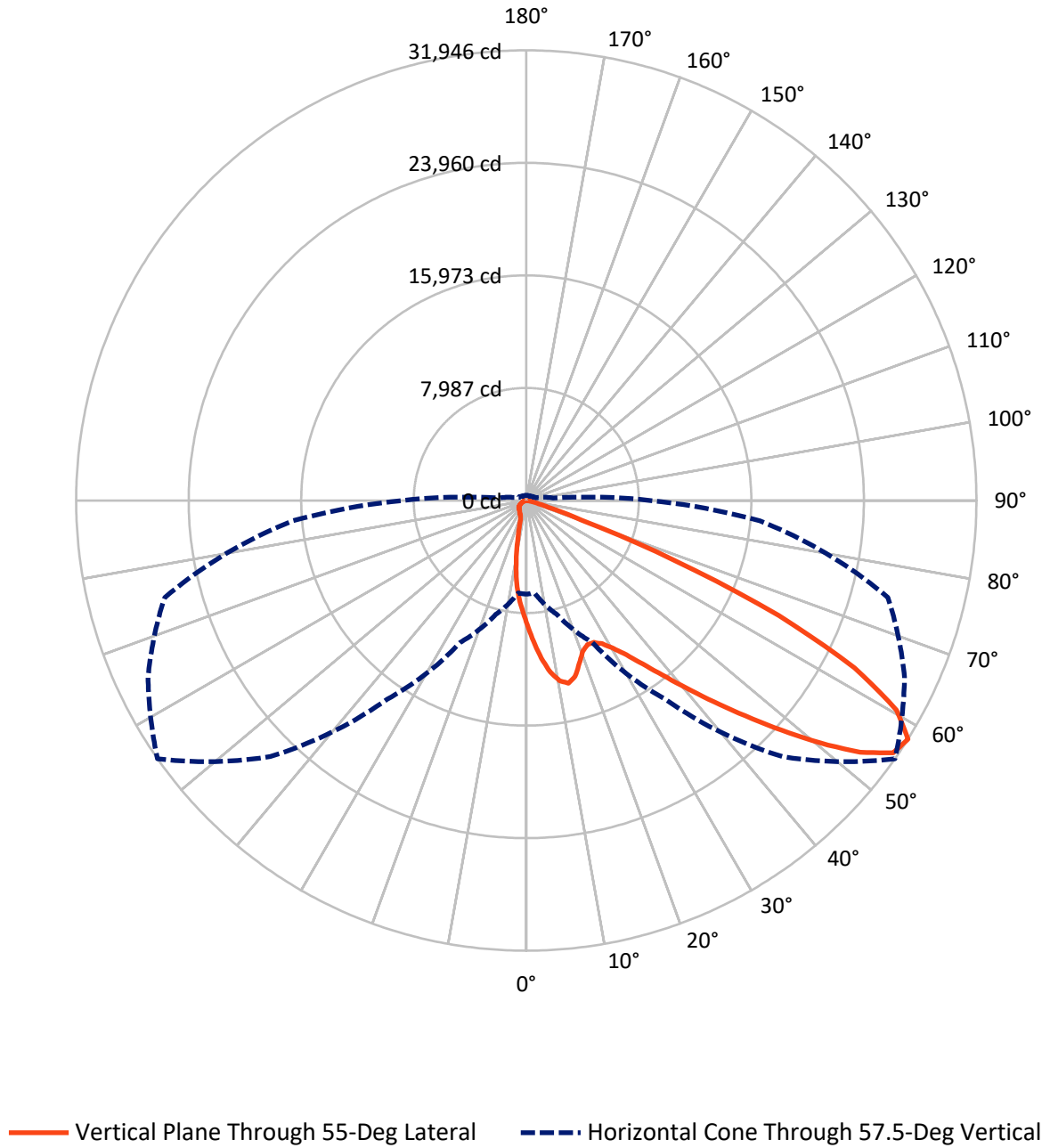
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2858.4	0.0	2858.4
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	33742.6	0.0	33742.6
	% Fixture	92.2	0.0	92.2
Total	Lumens	36601.0	0.0	36601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.6	2.2
10°-20°	1982.3	5.4
20°-30°	3171.6	8.7
30°-40°	5368.2	14.7
40°-50°	8813.4	24.1
50°-60°	9686.5	26.5
60°-70°	5556.2	15.2
70°-80°	1135.3	3.1
80°-90°	67.0	0.2
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°	36601.0	100.0
0°-180°	36601.0	100.0

Coefficient of Utilization



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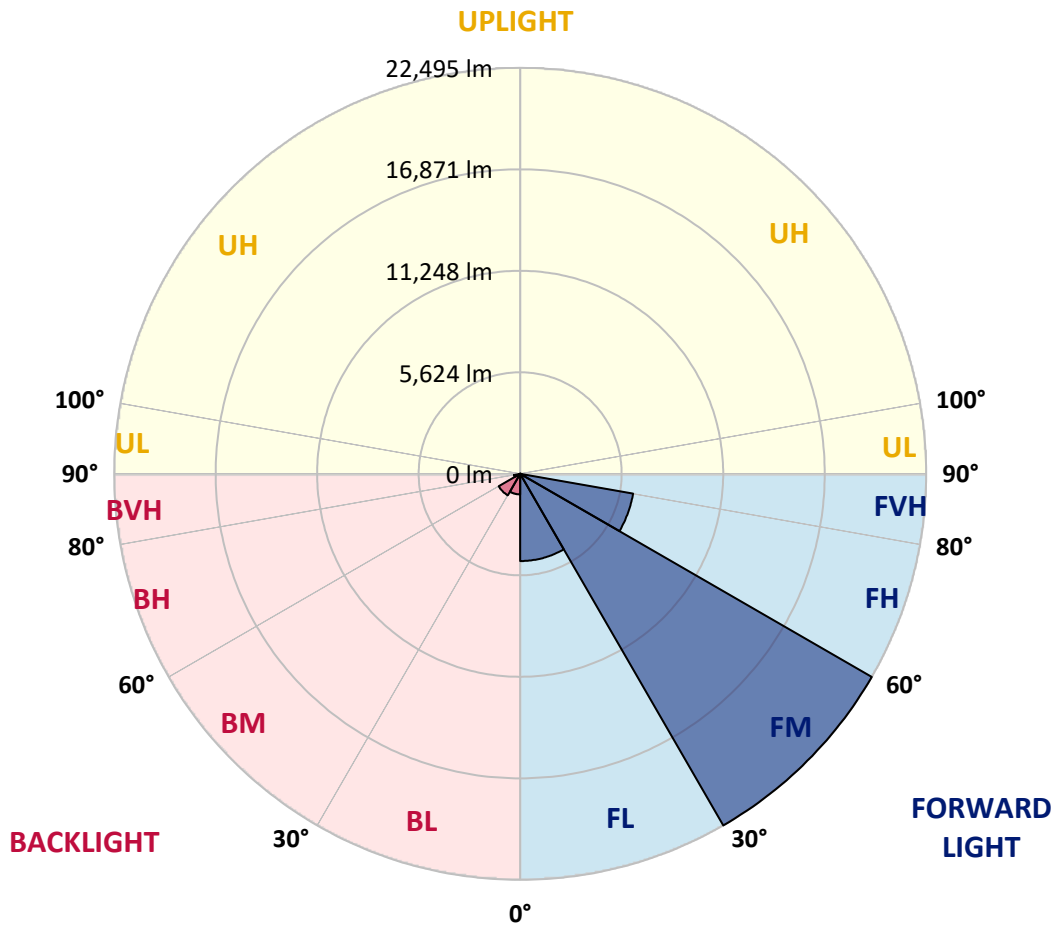
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4833.4	13.2			
FM (30°-60°)	22495.2	61.5			
FH (60°-80°)	6351.5	17.4			G3/7500
FVH (80°-90°)	62.5	0.2			G1/100
BL (0°-30°)	1141.1	3.1	B3/2500		
BM (30°-60°)	1372.8	3.8	B2/2500		
BH (60°-80°)	339.9	0.9	B1/500		G1/500
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9
2.5°	10943.7	10806.0	10785.7	10758.6	10496.8	10300.5	10016.1	9704.6	9354.8	8998.2
5°	12643.1	12534.8	12514.5	12388.1	12090.2	11756.2	11250.6	10611.9	9959.7	9192.3
7.5°	12972.6	12952.3	13044.8	13040.3	12999.7	12735.6	12309.1	11548.5	10569.0	9431.6
10°	11503.4	11555.3	11830.6	12072.1	12724.4	13103.5	13011.0	12383.6	11196.4	9704.6
12.5°	10165.0	10104.1	10300.5	10573.5	11331.9	12460.3	13302.1	13081.0	11914.1	10013.8
15°	9325.5	9300.7	9411.2	9537.6	10115.4	11252.9	12963.6	13647.4	12604.7	10379.5
17.5°	9056.9	9036.6	9070.5	9102.1	9476.7	10356.9	12157.9	13995.0	13266.0	10797.0
20°	9275.8	9248.7	9244.2	9219.4	9375.1	9975.5	11428.9	14019.8	13859.6	11176.1
22.5°	9914.5	9882.9	9772.3	9673.0	9686.6	10027.4	11103.9	13771.6	14306.4	11530.5
25°	11072.3	11020.4	10790.2	10456.2	10244.0	10388.5	11153.6	13444.3	14733.0	11808.1
27.5°	12521.2	12453.5	12157.9	11661.4	11176.1	11000.1	11512.4	13218.6	15087.3	12020.2
30°	13940.8	13852.8	13561.7	13175.7	12467.1	11911.9	12160.1	13317.9	15509.4	12241.4
32.5°	15473.3	15389.8	15003.8	14525.4	13938.6	13191.5	13047.1	13803.2	16026.2	12550.6
35°	17411.9	17281.0	16732.6	16080.4	15457.5	14701.4	14247.8	14640.5	16714.6	13022.3
37.5°	19619.2	19443.1	18851.8	17951.3	17138.8	16292.5	15710.2	15791.5	17723.4	13654.2
40°	21700.0	21539.8	20993.6	20145.0	19124.9	18098.0	17477.4	17296.8	19115.9	14423.8
42.5°	22948.1	22803.6	22573.4	22214.6	21354.7	20307.5	19524.4	19133.9	20763.4	15344.6
45°	23018.1	22891.7	23200.9	23618.4	23449.1	22751.7	21797.1	21081.6	22417.7	16209.0
47.5°	21898.6	21812.9	22751.7	24209.7	24936.4	25229.8	24349.6	22866.8	23783.1	16829.7
50°	18847.3	18815.7	20747.6	23424.3	25502.9	27400.9	27042.1	24527.9	24841.6	17150.1
52.5°	16342.2	16227.1	17353.3	20910.1	24679.1	28542.9	29673.6	26157.4	25581.9	17211.1
55°	12394.9	12293.3	13706.1	16703.3	22022.8	28136.7	31598.8	27838.8	26112.3	17055.3
57.5°	6648.8	6585.6	8370.8	11117.5	17215.6	25699.2	31946.3	29617.2	26559.1	16642.3
60°	2588.7	2577.4	3245.4	5394.0	10463.0	20907.9	30192.7	30684.7	26839.0	16134.5
62.5°	1566.3	1600.1	1708.5	2421.6	4622.1	12988.4	26150.6	29470.5	27026.3	15669.6
65°	1295.5	1297.7	1311.3	1663.3	2214.0	5434.6	19686.9	25475.8	26563.6	14841.3
67.5°	1110.4	1130.7	1182.6	1320.3	1561.8	2383.3	11334.1	19734.3	23749.3	12913.9
70°	875.7	902.8	968.2	1085.6	1205.2	1491.8	4188.8	13130.6	18143.2	9734.0
72.5°	738.0	735.7	769.6	882.4	956.9	1049.5	1611.4	7357.5	10544.2	4646.9
75°	571.0	593.6	636.4	738.0	783.1	760.6	873.4	2688.0	3778.0	1408.3
77.5°	446.9	464.9	503.3	602.6	647.7	539.4	503.3	961.4	1214.2	505.5
80°	200.9	216.7	343.0	444.6	528.1	372.4	273.1	492.0	539.4	230.2
82.5°	36.1	60.9	200.9	234.7	270.8	241.5	142.2	255.0	264.1	92.5
85°	2.3	4.5	70.0	85.8	108.3	79.0	42.9	101.6	88.0	31.6
87.5°	0.0	0.0	0.0	2.3	2.3	11.3	13.5	18.1	13.5	11.3
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
8819.9	0°	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9
8840.3	2.5°	8677.8	8357.3	8045.8	7790.8	7641.8	7389.1	7222.1	7195.0	7125.0	7185.9
8862.8	5°	8510.7	7937.5	7357.5	6838.4	6411.8	5861.2	5450.4	5276.6	5125.4	5177.3
8921.5	7.5°	8431.8	7526.7	6624.0	5737.0	4825.2	3945.0	3290.6	3017.5	2809.8	2839.2
8986.9	10°	8325.7	7100.2	5685.1	4331.0	3110.0	2241.1	1789.7	1622.7	1530.2	1532.4
9084.0	12.5°	8244.4	6590.1	4595.0	2936.2	1893.5	1430.9	1290.9	1250.3	1223.2	1225.5
9230.7	15°	8203.8	5989.8	3518.5	1956.7	1354.1	1212.0	1178.1	1160.0	1142.0	1139.7
9393.2	17.5°	8136.1	5321.8	2575.1	1428.6	1184.9	1135.2	1105.9	1085.6	1063.0	1058.5
9533.1	20°	8034.5	4563.4	1882.2	1207.4	1110.4	1072.0	1031.4	1004.3	977.2	972.7
9621.1	22.5°	7847.2	3762.2	1446.7	1117.2	1056.2	1013.3	963.7	932.1	905.0	900.5
9578.3	25°	7499.7	3010.7	1218.7	1060.7	1008.8	956.9	902.8	859.9	835.1	830.5
9485.7	27.5°	7059.6	2365.2	1105.9	1008.8	947.9	900.5	839.6	798.9	776.4	771.9
9363.9	30°	6540.5	1821.3	1040.4	950.2	875.7	835.1	780.9	747.0	733.5	733.5
9278.1	32.5°	5980.8	1455.7	1013.3	891.5	812.5	767.3	724.5	710.9	706.4	704.2
9325.5	35°	5454.9	1263.9	999.8	844.1	756.1	713.2	695.1	697.4	706.4	706.4
9472.2	37.5°	4987.7	1202.9	993.0	810.2	706.4	668.0	679.3	699.6	690.6	690.6
9729.5	40°	4565.7	1209.7	988.5	785.4	665.8	643.2	665.8	650.0	627.4	625.2
10043.2	42.5°	4243.0	1266.1	979.5	765.1	641.0	625.2	616.1	591.3	589.0	593.6
10368.2	45°	4008.2	1315.8	977.2	756.1	613.9	584.5	573.3	548.4	593.6	604.8
10501.3	47.5°	3730.6	1315.8	977.2	724.5	568.7	557.5	539.4	512.3	557.5	568.7
10374.9	50°	3371.8	1232.3	938.9	688.4	532.6	525.9	494.3	460.4	451.4	458.1
10079.3	52.5°	2918.2	1081.1	841.8	638.7	496.5	483.0	444.6	419.8	413.0	413.0
9548.9	55°	2401.3	905.0	710.9	566.5	458.1	433.3	406.2	395.0	388.2	383.7
8806.4	57.5°	1952.2	742.5	571.0	503.3	422.0	390.4	381.4	367.9	356.6	349.8
8185.8	60°	1602.4	584.5	471.7	446.9	385.9	356.6	354.3	336.3	306.9	302.4
7673.4	62.5°	1236.8	428.8	397.2	388.2	349.8	325.0	320.5	284.4	239.2	230.2
6946.7	65°	873.4	334.0	320.5	340.8	311.5	288.9	277.6	223.4	176.0	169.3
5813.8	67.5°	613.9	279.9	252.8	297.9	270.8	241.5	234.7	189.6	146.7	142.2
4396.4	70°	437.8	227.9	207.6	255.0	216.7	212.1	198.6	158.0	119.6	115.1
2175.6	72.5°	309.2	173.8	160.2	221.2	149.0	182.8	162.5	121.9	90.3	85.8
740.3	75°	227.9	124.1	112.8	128.6	108.3	137.7	115.1	81.2	56.4	54.2
334.0	77.5°	167.0	79.0	67.7	63.2	63.2	85.8	63.2	33.9	24.8	22.6
169.3	80°	117.4	36.1	31.6	27.1	24.8	20.3	9.0	4.5	2.3	2.3
58.7	82.5°	70.0	15.8	15.8	11.3	6.8	0.0	0.0	0.0	0.0	0.0
22.6	85°	15.8	6.8	6.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
9.0	87.5°	2.3	2.3	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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