

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: P953035

Luminaire Tested: **GALN-SB6C-950-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-950-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24144 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

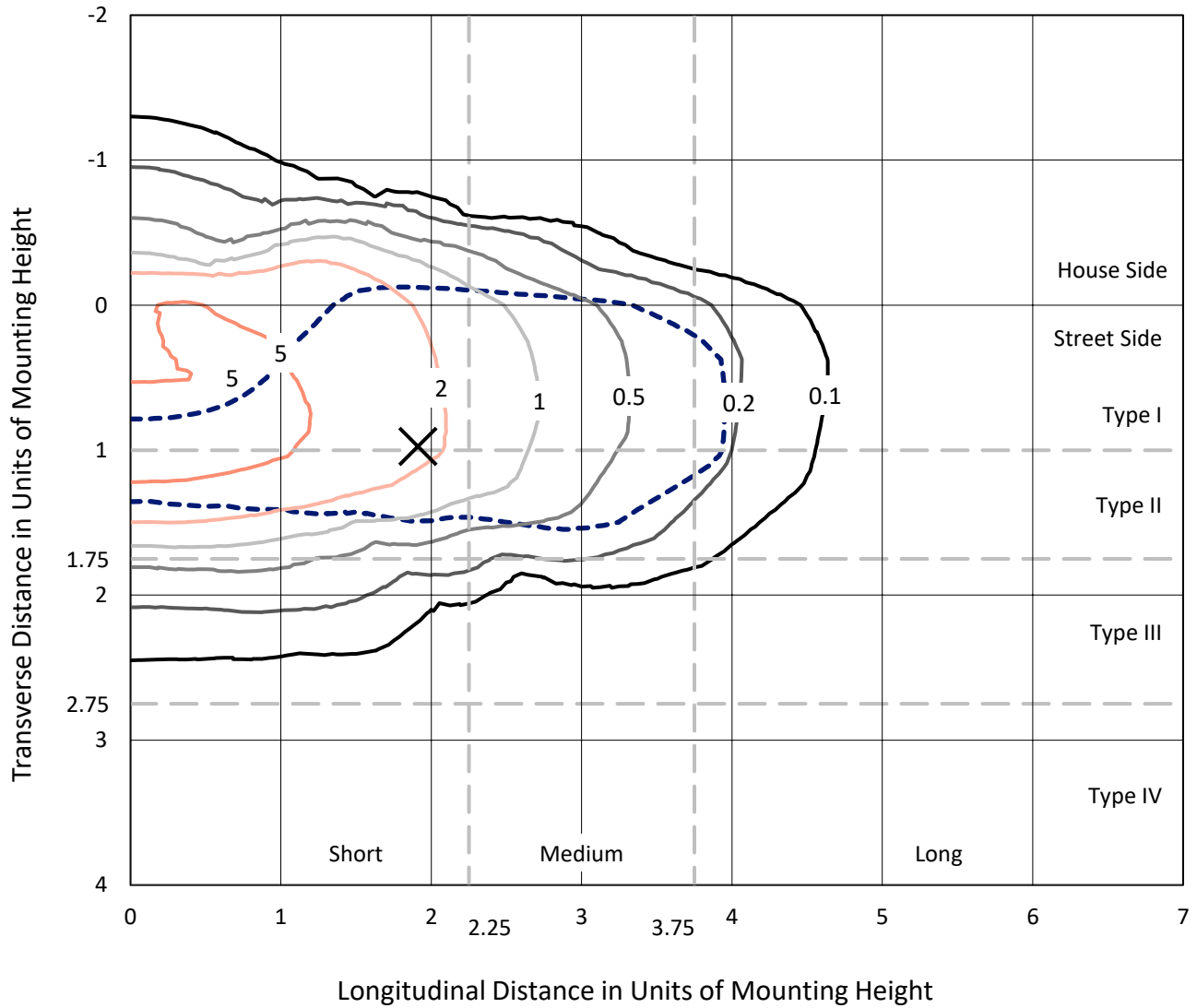
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

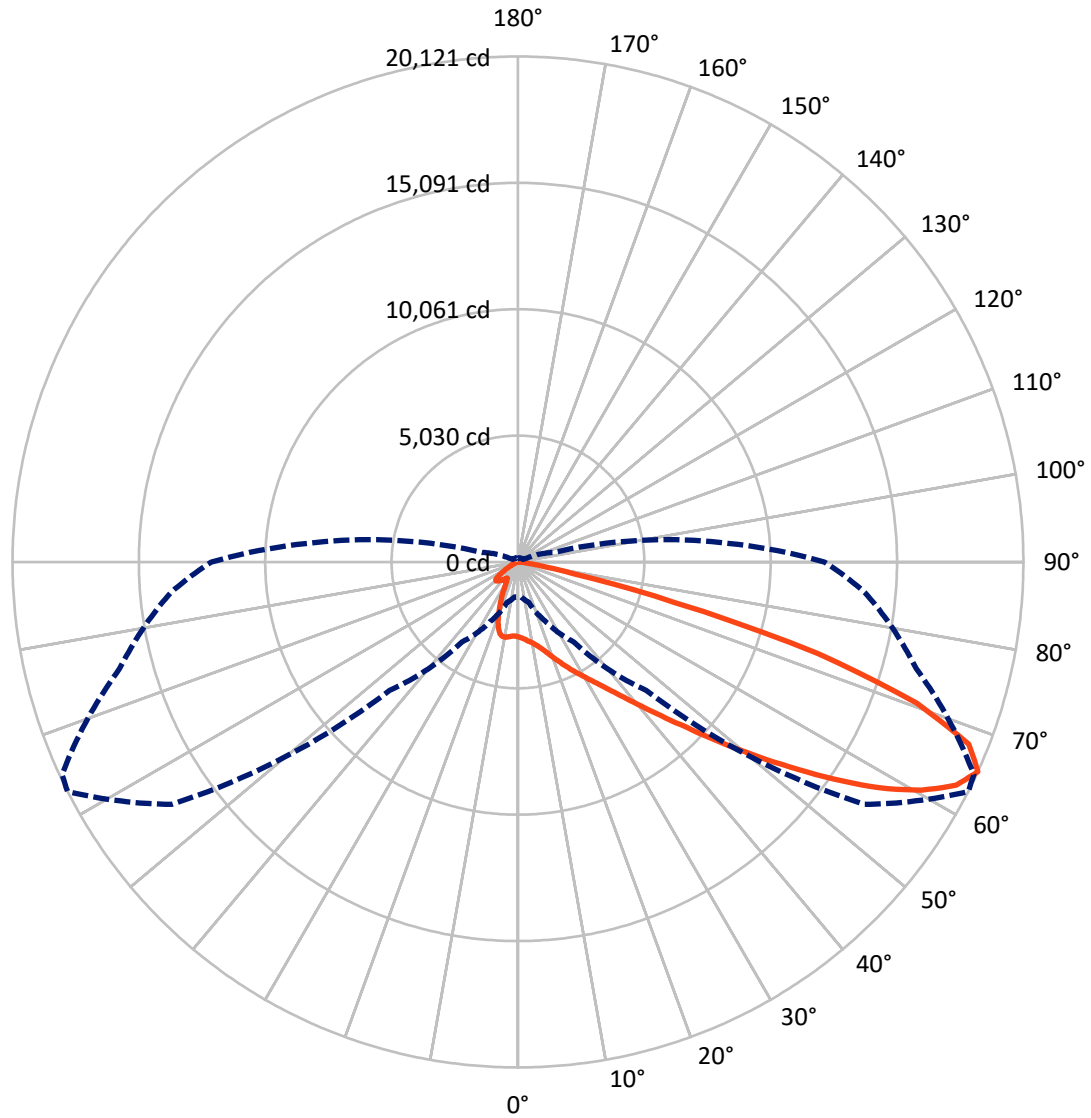
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3549.0	0.0	3549.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	20595.0	0.0	20595.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	24144.0	0.0	24144.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	1.2
10°-20°	779.0	3.2
20°-30°	1356.4	5.6
30°-40°	2444.8	10.1
40°-50°	4848.9	20.1
50°-60°	6604.9	27.4
60°-70°	5272.0	21.8
70°-80°	2385.7	9.9
80°-90°	171.5	0.7
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°	24144.0	100.0
0°-180°	24144.0	100.0



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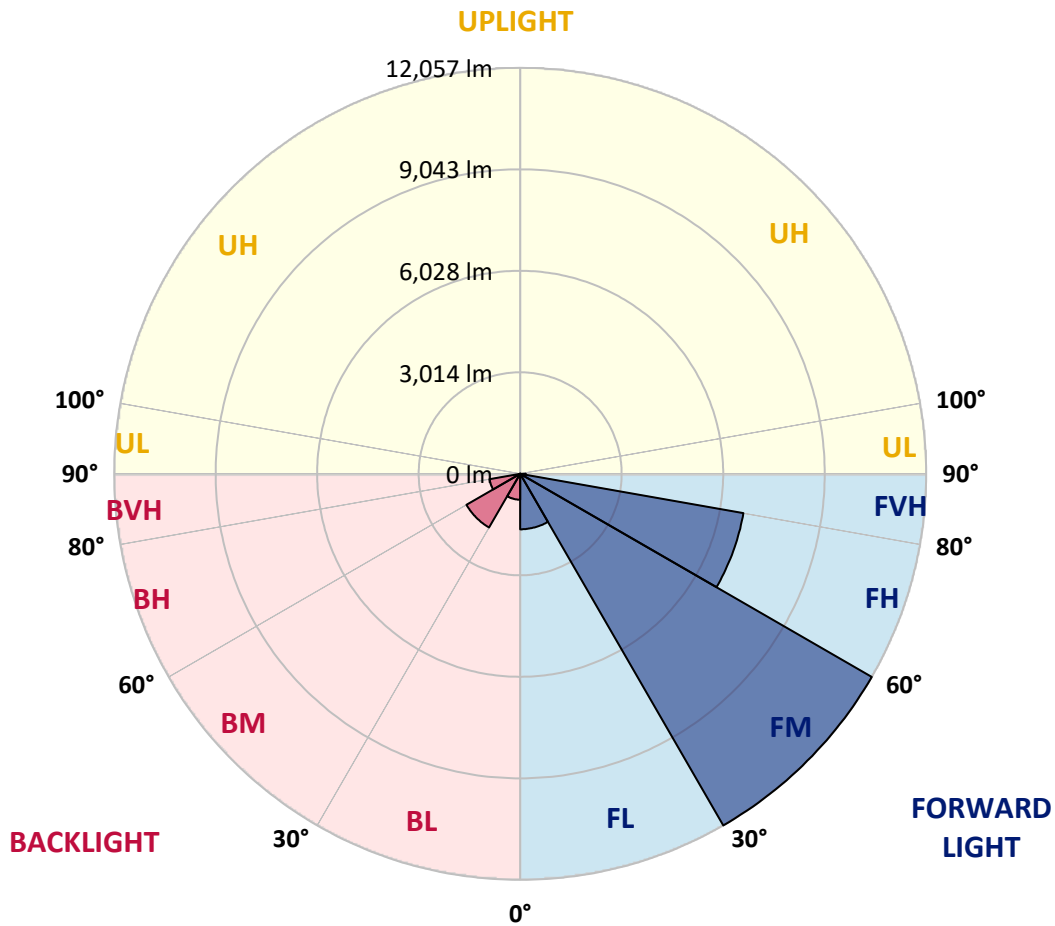
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1648.1	6.8			
FM (30°-60°)	12056.9	49.9			
FH (60°-80°)	6731.2	27.9			G3/7500
FVH (80°-90°)	158.8	0.7			G2/225
BL (0°-30°)	768.1	3.2	B2/1000		
BM (30°-60°)	1841.7	7.6	B2/2500		
BH (60°-80°)	926.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	12.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8
2.5°	3049.6	3041.3	3052.9	3047.9	3044.6	3038.0	3034.6	3031.3	3024.7	3019.7
5°	3057.9	3052.9	3064.5	3074.5	3084.5	3094.4	3099.4	3106.1	3099.4	3086.1
7.5°	2988.1	2984.8	3009.7	3039.6	3084.5	3122.7	3164.2	3187.5	3189.1	3184.1
10°	2983.1	2974.8	2999.8	3036.3	3094.4	3162.5	3235.6	3285.4	3292.1	3313.7
12.5°	3061.2	3052.9	3087.8	3127.7	3187.5	3258.9	3348.6	3418.3	3428.3	3458.2
15°	3192.4	3180.8	3220.7	3272.2	3348.6	3430.0	3524.6	3587.8	3596.1	3632.6
17.5°	3345.2	3333.6	3380.1	3434.9	3518.0	3629.3	3738.9	3808.7	3818.6	3841.9
20°	3541.2	3526.3	3562.8	3612.7	3700.7	3833.6	3964.8	4064.5	4062.8	4062.8
22.5°	3768.8	3745.5	3777.1	3817.0	3900.0	4061.1	4235.5	4353.5	4353.5	4307.0
25°	4013.0	3989.7	4024.6	4061.1	4134.2	4316.9	4521.2	4667.4	4674.0	4594.3
27.5°	4318.6	4288.7	4315.3	4358.5	4401.6	4587.7	4830.2	4999.6	5002.9	4880.0
30°	4906.6	4821.9	4738.8	4692.3	4712.2	4896.6	5155.7	5343.4	5360.0	5190.6
32.5°	5982.9	5966.3	5674.0	5291.9	5092.6	5228.8	5519.5	5745.4	5755.3	5537.8
35°	7655.5	7635.6	7165.5	6438.0	5788.6	5674.0	5961.3	6228.7	6222.1	5976.3
37.5°	9652.0	9633.8	9014.2	8040.9	6989.5	6346.7	6531.0	6811.7	6853.3	6531.0
40°	11357.9	11289.8	10897.8	9959.3	8584.0	7462.9	7341.6	7527.6	7570.8	7188.8
42.5°	12650.1	12592.0	12392.7	11806.4	10514.1	9113.9	8296.7	8368.1	8416.3	7957.8
45°	13319.5	13306.2	13386.0	13331.1	12480.7	11140.3	9662.0	9364.7	9383.0	8809.9
47.5°	13414.2	13407.6	13771.3	14286.2	14171.6	13425.8	11414.4	10607.1	10542.3	9771.6
50°	12856.1	12842.8	13540.4	14505.5	15301.1	15345.9	13404.2	12007.3	11864.5	10766.6
52.5°	11073.9	11070.5	12216.6	13822.8	15698.1	17026.9	15370.9	13545.4	13306.2	11819.6
55°	8520.9	8582.4	9896.2	11794.7	14973.9	17835.8	17136.5	15252.9	14885.8	12879.4
57.5°	6036.1	6125.8	7424.6	9115.5	12728.2	17357.4	18330.7	16963.7	16568.4	13935.8
60°	3242.3	3322.0	4622.6	6640.7	9469.3	15573.5	18960.3	18448.7	18075.0	14939.0
62.5°	1931.7	1958.3	2496.5	4287.0	6404.8	11897.7	18692.8	19579.8	19272.5	15781.1
65°	1386.9	1391.9	1662.7	2617.7	3888.4	7228.7	16817.6	20121.3	20026.6	16415.6
67.5°	1167.7	1164.4	1277.3	1739.1	2649.3	3621.0	12889.3	19355.6	19757.5	16817.6
70°	1001.6	1006.6	1139.4	1274.0	1991.5	2049.7	6408.1	16852.5	17709.5	16923.9
72.5°	745.8	762.4	885.3	1161.0	1503.2	1410.2	2212.4	12495.7	14045.4	15945.6
75°	526.5	534.8	622.9	976.7	1121.2	1026.5	1129.5	6459.6	8446.2	12224.9
77.5°	405.3	420.2	471.7	682.7	1104.6	720.9	691.0	2235.7	3434.9	7384.8
80°	219.3	245.8	340.5	493.3	775.7	509.9	342.2	890.3	1164.4	3453.2
82.5°	112.9	126.2	237.5	355.5	441.8	445.1	169.4	370.4	480.0	1066.4
85°	44.8	54.8	159.5	196.0	227.6	219.3	76.4	149.5	172.7	295.7
87.5°	10.0	16.6	58.1	44.8	43.2	46.5	18.3	34.9	33.2	34.9
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°
2979.8	0°	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8	2979.8
2999.8	2.5°	2998.1	2991.5	2973.2	2953.2	2930.0	2916.7	2908.4	2906.7	2895.1	2886.8
3066.2	5°	3047.9	3041.3	3006.4	2964.9	2920.0	2885.1	2851.9	2822.0	2778.8	2770.5
3162.5	7.5°	3147.6	3129.3	3072.8	3016.4	2931.7	2830.3	2707.4	2566.2	2440.0	2401.8
3290.4	10°	3270.5	3245.6	3174.2	3074.5	2886.8	2611.1	2313.8	2038.0	1818.8	1757.3
3441.6	12.5°	3410.0	3388.4	3293.8	3109.4	2699.1	2199.2	1744.0	1401.9	1189.3	1136.1
3602.7	15°	3576.1	3544.6	3413.3	3056.2	2363.6	1671.0	1197.6	994.9	918.5	908.6
3787.1	17.5°	3752.2	3700.7	3519.6	2865.2	1911.8	1187.6	925.2	867.0	833.8	823.9
3973.1	20°	3913.3	3846.9	3582.8	2576.2	1428.5	925.2	828.8	790.6	760.7	749.1
4159.1	22.5°	4074.4	3979.7	3582.8	2182.5	1071.3	820.5	760.7	725.9	691.0	676.0
4358.5	25°	4242.2	4115.9	3519.6	1744.0	862.1	752.4	696.0	657.8	627.9	609.6
4547.8	27.5°	4405.0	4230.6	3375.1	1328.8	767.4	692.6	636.2	599.6	571.4	558.1
4753.8	30°	4559.4	4343.5	3172.5	1008.2	705.9	634.5	581.3	549.8	521.6	508.3
5021.2	32.5°	4768.7	4486.3	2956.6	827.2	652.8	579.7	531.5	501.6	476.7	466.7
5368.3	35°	5059.4	4697.3	2770.5	812.2	607.9	534.8	486.7	458.4	433.5	425.2
5816.8	37.5°	5471.3	5037.8	2672.5	911.9	571.4	495.0	450.1	420.2	397.0	390.3
6386.5	40°	5979.6	5499.6	2725.7	1011.5	546.5	460.1	416.9	387.0	367.1	358.8
7041.0	42.5°	6582.5	6069.3	3019.7	1088.0	529.9	430.2	385.4	352.1	338.8	335.5
7783.4	45°	7275.2	6695.5	3469.8	1169.3	503.3	402.0	353.8	328.9	318.9	317.3
8590.7	47.5°	8062.5	7383.1	3991.4	1270.7	476.7	375.4	328.9	312.3	304.0	300.6
9432.8	50°	8843.1	8075.8	4527.9	1327.1	455.1	350.5	308.9	295.7	289.0	287.4
10323.1	52.5°	9660.3	8788.3	4961.4	1274.0	436.8	330.5	292.3	282.4	275.7	274.1
11143.6	55°	10439.4	9364.7	5036.1	1081.3	400.3	310.6	274.1	269.1	260.8	260.8
11975.8	57.5°	11110.4	9653.7	4507.9	794.0	363.8	280.7	255.8	250.8	244.2	242.5
12726.5	60°	11726.6	9570.7	3479.8	534.8	323.9	250.8	232.5	229.2	222.6	214.3
13379.3	62.5°	12073.8	9205.2	2380.2	348.8	284.0	219.3	206.0	204.3	189.4	172.7
13862.7	65°	12205.0	8454.5	1484.9	254.1	237.5	187.7	177.7	174.4	152.8	134.5
14136.7	67.5°	12090.4	7218.7	749.1	201.0	187.7	156.1	146.2	146.2	131.2	114.6
14120.1	70°	11632.0	5411.5	315.6	161.1	144.5	119.6	119.6	126.2	111.3	93.0
13387.6	72.5°	10637.0	3640.9	167.8	122.9	108.0	84.7	98.0	103.0	88.0	69.8
10957.6	75°	8456.1	2220.8	116.3	91.4	68.1	59.8	74.7	78.1	59.8	46.5
7512.7	77.5°	5783.6	1275.6	78.1	58.1	43.2	34.9	51.5	48.2	31.6	21.6
2896.8	80°	2539.7	531.5	44.8	26.6	16.6	13.3	18.3	13.3	10.0	6.6
397.0	82.5°	297.3	124.6	16.6	10.0	6.6	3.3	1.7	0.0	0.0	0.0
121.3	85°	61.5	14.9	8.3	3.3	1.7	0.0	0.0	0.0	0.0	0.0
21.6	87.5°	11.6	3.3	1.7	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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<u>180°</u>
2979.8
2895.1
2767.2
2383.5
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602.9
558.1
509.9
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388.7
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