

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: P846222

Luminaire Tested: **GLAN-SB1D-730-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6864 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

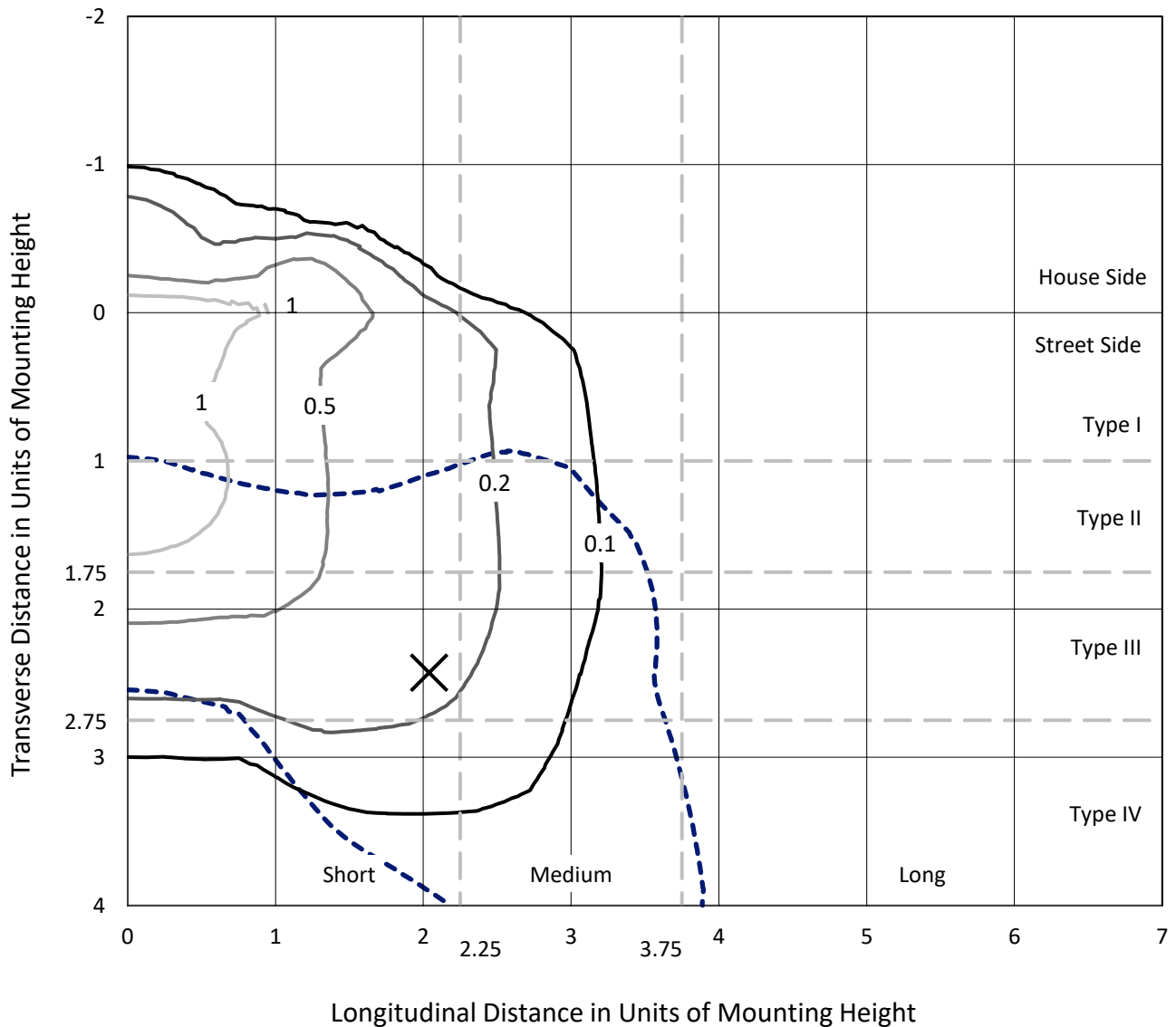
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

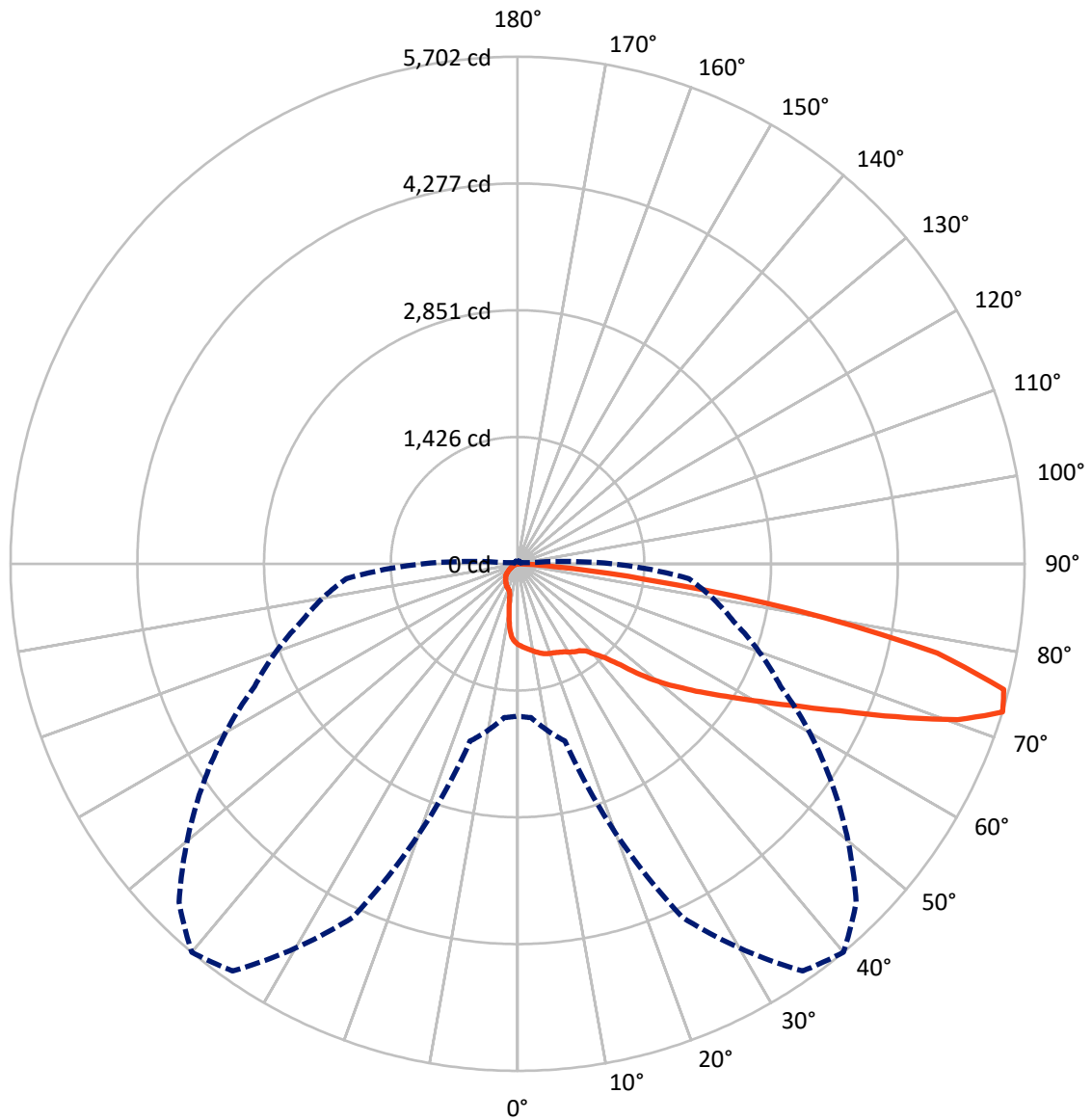
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	886.4	0.0	886.4
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5977.6	0.0	5977.6
	% Fixture	87.1	0.0	87.1
Total	Lumens	6864.0	0.0	6864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.2
10°-20°	225.4	3.3
20°-30°	364.7	5.3
30°-40°	538.5	7.8
40°-50°	906.3	13.2
50°-60°	1407.2	20.5
60°-70°	1760.8	25.7
70°-80°	1441.5	21.0
80°-90°	136.7	2.0
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°	6864.0	100.0
0°-180°	6864.0	100.0

Coefficient of Utilization



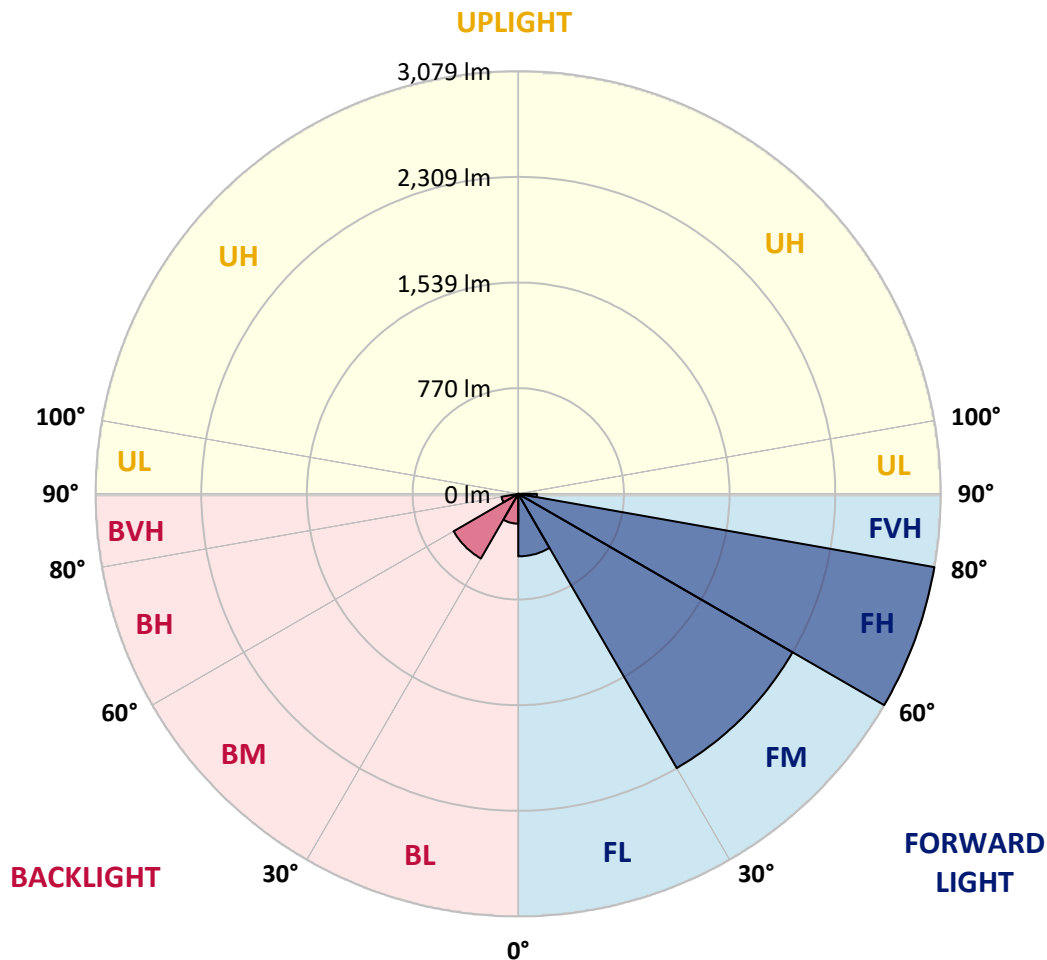
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.6	6.6			
FM (30°-60°)	2307.6	33.6			
FH (60°-80°)	3078.8	44.9			G2/5000
FVH (80°-90°)	135.6	2.0			G2/225
BL (0°-30°)	217.6	3.2	B1/500		
BM (30°-60°)	544.3	7.9	B1/1000		
BH (60°-80°)	123.5	1.8	B1/500		G1/500
BVH (80°-90°)	1.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
2.5°	936.2	939.9	937.8	933.7	932.6	930.6	928.0	926.9	923.3	920.2
5°	962.6	966.2	963.6	958.0	955.4	952.8	949.2	946.1	938.8	932.1
7.5°	991.6	994.7	991.6	983.3	979.2	976.1	970.9	966.2	958.0	948.1
10°	1023.6	1026.2	1021.6	1010.7	1004.0	999.3	994.7	989.5	981.7	970.9
12.5°	1053.6	1056.7	1049.5	1036.5	1028.8	1024.1	1019.0	1014.8	1007.1	996.7
15°	1081.0	1085.7	1073.2	1059.3	1050.5	1046.9	1041.7	1039.1	1034.0	1026.7
17.5°	1101.7	1104.8	1091.9	1075.3	1065.5	1062.9	1059.3	1060.8	1059.8	1056.2
20°	1119.3	1121.3	1104.3	1084.1	1073.2	1073.8	1072.7	1077.9	1080.0	1080.0
22.5°	1141.0	1141.5	1119.8	1094.4	1081.5	1085.1	1086.7	1092.4	1096.5	1100.6
25°	1169.4	1168.4	1142.5	1107.9	1096.5	1101.7	1105.3	1107.4	1112.0	1118.7
27.5°	1211.8	1208.7	1175.6	1129.6	1116.2	1120.8	1127.5	1126.5	1124.4	1129.6
30°	1265.6	1261.4	1217.5	1160.1	1147.7	1151.8	1153.9	1144.6	1129.6	1134.3
32.5°	1350.9	1343.6	1282.6	1194.2	1175.1	1179.7	1177.2	1158.0	1135.8	1140.5
35°	1499.2	1481.7	1395.3	1265.6	1206.1	1200.9	1194.7	1176.1	1148.7	1144.1
37.5°	1814.6	1783.6	1636.2	1404.6	1276.4	1242.8	1223.7	1205.1	1162.7	1144.1
40°	2170.3	2138.7	1968.7	1637.3	1393.3	1336.4	1290.9	1239.2	1177.2	1150.8
42.5°	2541.5	2506.8	2332.1	1925.7	1560.2	1443.4	1358.6	1266.6	1200.9	1171.5
45°	2956.1	2912.7	2684.2	2226.6	1802.7	1621.2	1467.7	1322.9	1242.3	1208.2
47.5°	3393.5	3337.1	3035.2	2518.7	2063.8	1867.3	1667.3	1423.8	1303.3	1263.0
50°	3781.2	3725.4	3397.6	2824.3	2307.8	2101.5	1894.7	1563.3	1394.8	1340.5
52.5°	4059.8	4017.4	3727.4	3139.6	2561.6	2321.2	2101.0	1725.7	1510.6	1439.8
55°	4246.5	4207.7	3961.1	3438.4	2856.8	2563.2	2304.2	1902.0	1650.2	1558.7
57.5°	4359.7	4337.5	4130.1	3705.2	3149.4	2827.9	2536.8	2095.8	1814.6	1698.8
60°	4400.0	4381.9	4235.1	3959.5	3503.1	3145.8	2810.3	2314.5	2014.2	1858.0
62.5°	4292.5	4296.1	4310.6	4260.9	3875.8	3518.0	3138.1	2577.1	2235.4	2038.4
65°	3786.4	3816.3	4091.4	4594.9	4369.5	3984.4	3555.3	2897.7	2488.7	2243.7
67.5°	3135.0	3178.4	3520.6	4790.3	4895.8	4589.7	4136.3	3306.1	2790.7	2452.5
70°	2399.8	2446.3	2861.0	4749.5	5388.5	5251.5	4855.0	3825.6	3103.4	2597.3
72.5°	1712.8	1736.5	2063.3	4386.1	5590.6	5702.3	5384.3	4317.8	3263.2	2517.2
75°	1203.5	1199.4	1416.0	3532.0	5275.8	5647.5	5198.7	4051.6	2953.0	1999.7
77.5°	524.2	525.3	707.2	2144.9	4210.8	4823.4	4321.4	2537.9	2058.6	1059.8
80°	136.0	140.1	259.5	854.0	2535.3	3183.6	2635.6	1115.6	951.2	258.5
82.5°	48.1	51.2	119.4	268.3	935.2	1459.9	1173.5	356.7	248.1	73.9
85°	14.0	16.5	64.1	82.2	193.4	412.5	284.9	69.3	61.0	38.3
87.5°	0.0	2.1	12.9	11.4	11.4	7.8	14.5	7.8	9.8	4.7
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°
908.8	0°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
916.6	2.5°	913.5	909.9	902.1	893.9	886.1	878.9	876.8	869.0	865.4	865.9
923.8	5°	918.2	911.4	896.4	878.3	859.7	838.5	821.0	796.1	775.0	772.4
937.8	7.5°	930.6	919.7	895.4	860.3	813.7	755.3	701.0	647.3	616.8	600.2
958.5	10°	949.7	935.2	898.0	830.8	732.0	627.6	545.4	477.7	443.1	427.0
983.8	12.5°	972.4	956.4	902.1	780.6	626.6	489.6	400.7	359.3	352.1	351.0
1014.8	15°	1004.5	986.9	906.8	712.9	512.3	372.7	331.9	332.4	338.1	341.2
1048.4	17.5°	1040.2	1022.6	900.1	630.2	399.6	318.5	317.4	322.1	330.3	333.5
1079.5	20°	1076.4	1059.8	876.3	533.0	323.1	303.5	307.6	312.8	321.0	325.2
1110.0	22.5°	1113.6	1099.1	838.5	429.6	291.6	292.6	297.8	302.9	312.3	316.9
1139.9	25°	1153.4	1141.0	788.4	344.3	278.1	281.2	288.0	294.2	304.0	309.7
1165.3	27.5°	1193.7	1184.4	731.5	287.4	265.7	269.3	277.1	285.4	295.2	301.9
1187.5	30°	1237.6	1232.5	686.0	266.2	253.8	256.9	265.7	275.0	285.9	294.2
1209.7	32.5°	1282.6	1281.6	663.8	281.8	243.0	245.0	252.8	262.1	275.5	285.9
1228.3	35°	1327.1	1329.2	650.9	325.7	239.4	233.7	238.8	247.1	263.1	276.1
1249.5	37.5°	1384.0	1389.1	650.4	373.3	248.1	222.3	225.9	231.6	245.6	260.6
1282.6	40°	1468.7	1496.1	683.4	414.1	263.7	212.0	213.0	214.0	221.3	233.7
1326.6	42.5°	1581.4	1661.6	802.9	442.0	269.9	202.7	199.0	193.4	192.3	199.0
1386.5	45°	1721.5	1861.6	1012.8	457.5	263.7	192.3	182.5	167.5	161.8	166.5
1467.7	47.5°	1886.5	2080.8	1261.4	461.1	253.3	179.4	161.8	142.2	137.5	139.1
1576.8	50°	2047.2	2245.2	1480.1	431.2	236.3	162.8	139.1	122.5	119.4	119.9
1705.5	52.5°	2189.4	2301.6	1542.1	360.3	213.5	142.7	119.4	108.0	106.0	106.0
1847.7	55°	2283.5	2240.6	1375.2	275.5	185.1	122.0	102.4	96.7	95.6	95.1
2006.4	57.5°	2303.1	2042.1	1038.6	199.0	144.8	102.9	91.0	87.9	85.8	83.8
2169.2	60°	2232.8	1711.2	661.2	139.1	108.6	87.9	80.6	78.6	74.4	70.3
2322.3	62.5°	2080.8	1292.4	366.0	96.7	87.4	75.0	71.3	68.8	61.0	54.3
2443.8	65°	1876.6	859.2	161.8	75.5	71.3	63.1	61.0	57.4	48.1	40.3
2489.8	67.5°	1671.4	494.7	72.9	60.5	57.4	51.7	50.1	47.6	40.8	33.6
2372.4	70°	1437.2	250.7	50.1	48.1	44.5	39.3	40.8	40.3	33.6	27.4
1935.1	72.5°	1070.1	124.6	37.7	36.2	32.1	27.9	33.6	33.1	26.4	20.7
1193.2	75°	605.9	61.5	27.4	25.3	19.1	20.7	26.9	25.3	18.1	13.4
503.5	77.5°	240.4	31.5	18.1	15.5	11.4	14.0	19.6	17.1	9.3	5.7
96.2	80°	55.3	15.5	9.3	6.7	5.2	8.3	10.3	6.2	2.6	0.5
25.8	82.5°	15.5	6.7	3.1	2.6	2.6	3.1	2.6	1.0	0.0	0.0
6.7	85°	5.2	3.1	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
2.1	87.5°	2.1	1.0	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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908.8
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