

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: P846232

Luminaire Tested: **GLAN-SB1D-735-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846232
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-735-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 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: 6973 lumens
Efficiency: N/A
Efficacy: 87.6 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

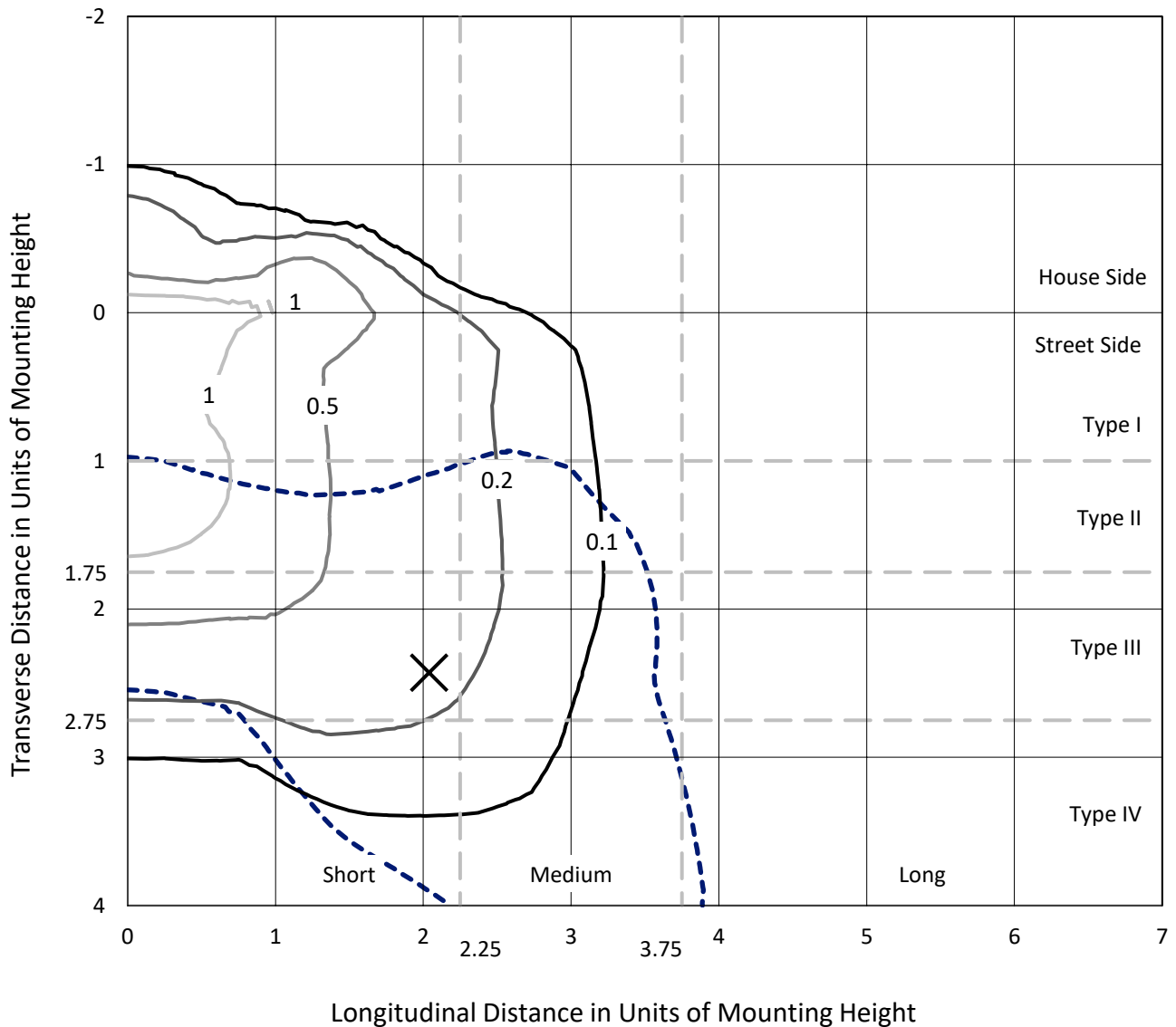
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

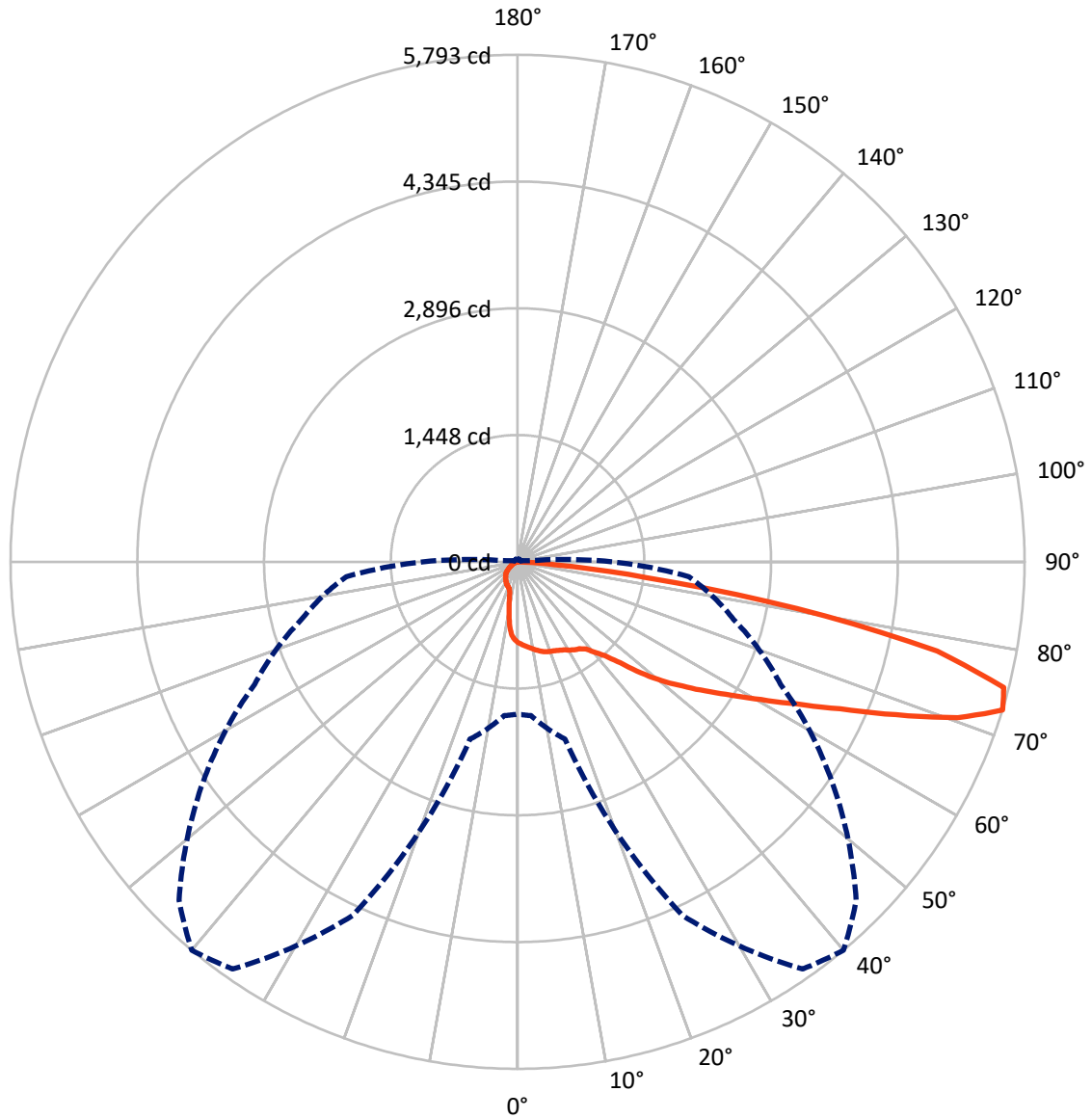
✕ Max cd
 - - - 1/2 Max cd



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	900.5	0.0	900.5
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	6072.5	0.0	6072.5
	% Fixture	87.1	0.0	87.1
Total	Lumens	6973.0	0.0	6973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.2
10°-20°	229.0	3.3
20°-30°	370.5	5.3
30°-40°	547.0	7.8
40°-50°	920.6	13.2
50°-60°	1429.5	20.5
60°-70°	1788.7	25.7
70°-80°	1464.4	21.0
80°-90°	138.9	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°	6973.0	100.0
0°-180°	6973.0	100.0

Coefficient of Utilization

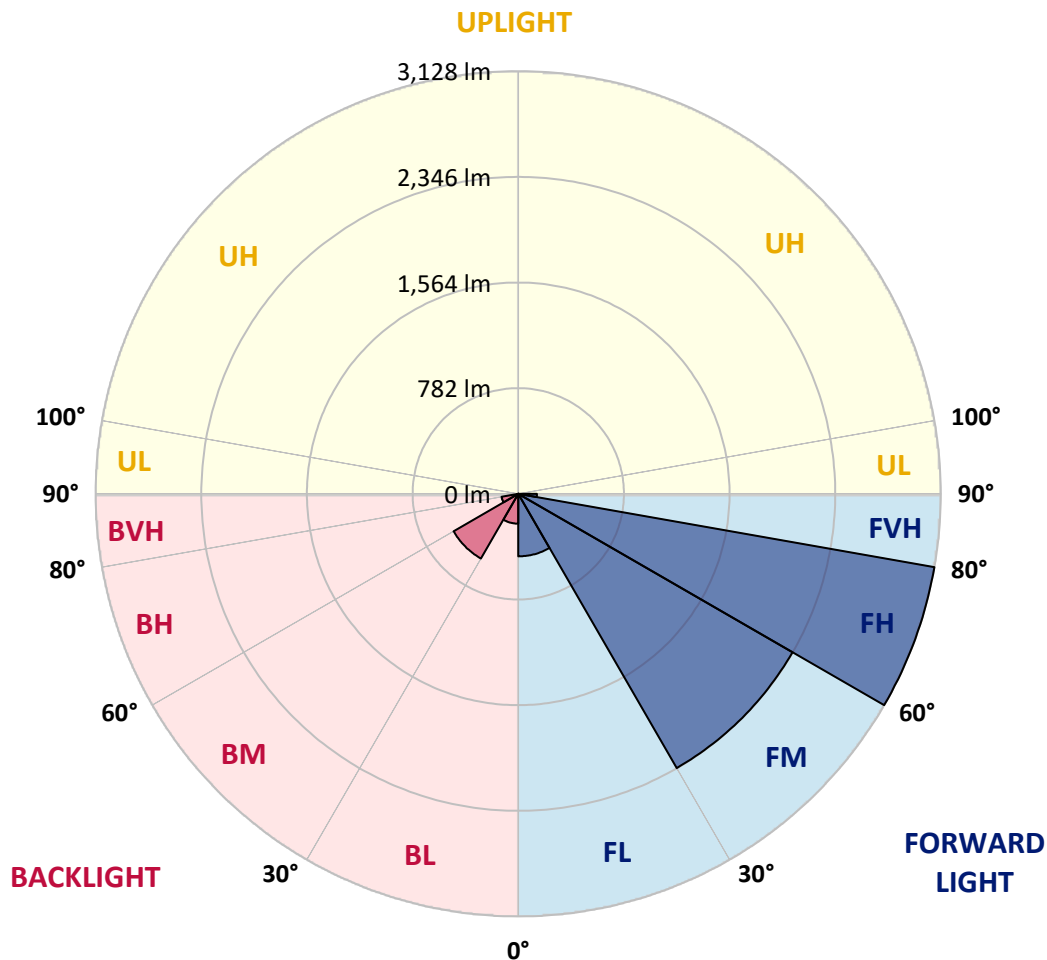


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.8	6.6			
FM (30°-60°)	2344.2	33.6			
FH (60°-80°)	3127.7	44.9			G2/5000
FVH (80°-90°)	137.8	2.0			G2/225
BL (0°-30°)	221.0	3.2	B1/500		
BM (30°-60°)	553.0	7.9	B1/1000		
BH (60°-80°)	125.5	1.8	B1/500		G1/500
BVH (80°-90°)	1.1	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°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	951.1	954.8	952.7	948.5	947.4	945.3	942.7	941.7	938.0	934.8
5°	977.9	981.6	979.0	973.2	970.5	967.9	964.2	961.1	953.7	946.9
7.5°	1007.3	1010.5	1007.3	998.9	994.7	991.6	986.3	981.6	973.2	963.2
10°	1039.9	1042.5	1037.8	1026.7	1019.9	1015.2	1010.5	1005.2	997.3	986.3
12.5°	1070.3	1073.5	1066.1	1053.0	1045.1	1040.4	1035.1	1030.9	1023.1	1012.6
15°	1098.2	1102.9	1090.3	1076.1	1067.2	1063.5	1058.3	1055.6	1050.4	1043.0
17.5°	1119.2	1122.3	1109.2	1092.4	1082.4	1079.8	1076.1	1077.7	1076.6	1073.0
20°	1137.0	1139.1	1121.8	1101.3	1090.3	1090.8	1089.8	1095.0	1097.1	1097.1
22.5°	1159.1	1159.6	1137.6	1111.8	1098.7	1102.4	1103.9	1109.7	1113.9	1118.1
25°	1188.0	1186.9	1160.7	1125.5	1113.9	1119.2	1122.9	1125.0	1129.7	1136.5
27.5°	1231.0	1227.9	1194.3	1147.5	1133.9	1138.6	1145.4	1144.4	1142.3	1147.5
30°	1285.7	1281.5	1236.8	1178.5	1165.9	1170.1	1172.2	1162.8	1147.5	1152.3
32.5°	1372.3	1365.0	1303.0	1213.2	1193.8	1198.5	1195.9	1176.4	1153.8	1158.6
35°	1523.0	1505.2	1417.5	1285.7	1225.3	1220.0	1213.7	1194.8	1167.0	1162.2
37.5°	1843.4	1811.9	1662.2	1426.9	1296.7	1262.6	1243.1	1224.2	1181.1	1162.2
40°	2204.7	2172.7	1999.9	1663.3	1415.4	1357.6	1311.4	1258.9	1195.9	1169.1
42.5°	2581.8	2546.6	2369.1	1956.3	1585.0	1466.3	1380.2	1286.7	1220.0	1190.1
45°	3003.0	2958.9	2726.8	2262.0	1831.3	1647.0	1491.0	1344.0	1262.0	1227.4
47.5°	3447.3	3390.1	3083.4	2558.7	2096.6	1897.0	1693.7	1446.4	1324.0	1283.0
50°	3841.2	3784.5	3451.5	2869.1	2344.4	2134.9	1924.8	1588.2	1417.0	1361.8
52.5°	4124.3	4081.2	3786.6	3189.5	2602.3	2358.1	2134.4	1753.1	1534.6	1462.7
55°	4313.9	4274.5	4024.0	3493.0	2902.2	2603.9	2340.8	1932.2	1676.4	1583.4
57.5°	4428.9	4406.3	4195.7	3764.0	3199.4	2872.8	2577.1	2129.1	1843.4	1725.8
60°	4469.9	4451.5	4302.3	4022.4	3558.7	3195.8	2854.9	2351.3	2046.1	1887.5
62.5°	4360.6	4364.3	4379.0	4328.6	3937.3	3573.9	3187.9	2618.1	2270.9	2070.8
65°	3846.5	3876.9	4156.3	4667.9	4438.9	4047.6	3611.7	2943.7	2528.3	2279.3
67.5°	3184.7	3228.9	3576.5	4866.4	4973.5	4662.6	4202.0	3358.6	2835.0	2491.5
70°	2437.9	2485.2	2906.4	4824.9	5474.0	5334.9	4932.0	3886.4	3152.7	2638.5
72.5°	1740.0	1764.1	2096.0	4455.7	5679.4	5792.8	5469.8	4386.4	3315.0	2557.1
75°	1222.6	1218.4	1438.5	3588.1	5359.6	5737.2	5281.3	4115.9	2999.9	2031.4
77.5°	532.5	533.6	718.5	2179.0	4277.7	4900.0	4390.1	2578.2	2091.3	1076.6
80°	138.1	142.3	263.6	867.6	2575.5	3234.1	2677.4	1133.4	966.3	262.6
82.5°	48.8	52.0	121.3	272.6	950.1	1483.1	1192.2	362.4	252.1	75.1
85°	14.2	16.8	65.1	83.5	196.4	419.1	289.4	70.4	62.0	38.9
87.5°	0.0	2.1	13.1	11.6	11.6	7.9	14.7	7.9	10.0	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°
923.3	0°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
931.2	2.5°	928.0	924.3	916.5	908.1	900.2	892.8	890.7	882.8	879.2	879.7
938.5	5°	932.7	925.9	910.7	892.3	873.4	851.9	834.0	808.8	787.3	784.6
952.7	7.5°	945.3	934.3	909.6	873.9	826.6	767.3	712.2	657.5	626.6	609.7
973.7	10°	964.8	950.1	912.3	844.0	743.7	637.6	554.1	485.3	450.1	433.8
999.4	12.5°	987.9	971.6	916.5	793.0	636.5	497.4	407.0	365.0	357.7	356.6
1030.9	15°	1020.4	1002.6	921.2	724.2	520.5	378.7	337.2	337.7	343.5	346.6
1065.1	17.5°	1056.7	1038.8	914.4	640.2	406.0	323.5	322.5	327.2	335.6	338.7
1096.6	20°	1093.4	1076.6	890.2	541.5	328.2	308.3	312.5	317.7	326.1	330.3
1127.6	22.5°	1131.3	1116.6	851.9	436.4	296.2	297.3	302.5	307.8	317.2	321.9
1158.0	25°	1171.7	1159.1	800.9	349.8	282.6	285.7	292.5	298.8	308.8	314.6
1183.8	27.5°	1212.7	1203.2	743.1	292.0	269.9	273.6	281.5	289.9	299.9	306.7
1206.4	30°	1257.3	1252.0	696.9	270.5	257.9	261.0	269.9	279.4	290.4	298.8
1228.9	32.5°	1303.0	1301.9	674.3	286.2	246.8	248.9	256.8	266.3	279.9	290.4
1247.8	35°	1348.2	1350.3	661.2	330.9	243.2	237.4	242.6	251.0	267.3	280.5
1269.4	37.5°	1405.9	1411.2	660.7	379.2	252.1	225.8	229.5	235.3	249.5	264.7
1303.0	40°	1492.1	1519.9	694.3	420.7	267.8	215.3	216.4	217.4	224.8	237.4
1347.6	42.5°	1606.6	1688.0	815.6	449.0	274.1	205.9	202.2	196.4	195.4	202.2
1408.6	45°	1748.9	1891.2	1028.8	464.8	267.8	195.4	185.4	170.2	164.4	169.1
1491.0	47.5°	1916.4	2113.9	1281.5	468.5	257.3	182.2	164.4	144.4	139.7	141.3
1601.8	50°	2079.7	2280.9	1503.6	438.0	240.0	165.4	141.3	124.5	121.3	121.8
1732.6	52.5°	2224.2	2338.1	1566.6	366.1	216.9	145.0	121.3	109.8	107.7	107.7
1877.0	55°	2319.8	2276.2	1397.0	279.9	188.0	123.9	104.0	98.2	97.2	96.6
2038.3	57.5°	2339.7	2074.5	1055.1	202.2	147.1	104.5	92.4	89.3	87.2	85.1
2203.7	60°	2268.3	1738.4	671.7	141.3	110.3	89.3	81.9	79.8	75.6	71.4
2359.1	62.5°	2113.9	1313.0	371.8	98.2	88.8	76.2	72.5	69.9	62.0	55.1
2482.6	65°	1906.4	872.9	164.4	76.7	72.5	64.1	62.0	58.3	48.8	41.0
2529.3	67.5°	1697.9	502.6	74.1	61.4	58.3	52.5	50.9	48.3	41.5	34.1
2410.1	70°	1460.0	254.7	50.9	48.8	45.2	39.9	41.5	41.0	34.1	27.8
1965.8	72.5°	1087.1	126.6	38.3	36.8	32.6	28.4	34.1	33.6	26.8	21.0
1212.1	75°	615.5	62.5	27.8	25.7	19.4	21.0	27.3	25.7	18.4	13.7
511.5	77.5°	244.2	32.0	18.4	15.8	11.6	14.2	20.0	17.3	9.5	5.8
97.7	80°	56.2	15.8	9.5	6.8	5.3	8.4	10.5	6.3	2.6	0.5
26.3	82.5°	15.8	6.8	3.2	2.6	2.6	3.2	2.6	1.1	0.0	0.0
6.8	85°	5.3	3.2	1.1	0.5	0.5	0.5	0.5	0.0	0.0	0.0
2.1	87.5°	2.1	1.1	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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