

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: P852086

Luminaire Tested: **GLAN-SB1B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4120 lumens  
Efficiency: N/A  
Efficacy: 103.5 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

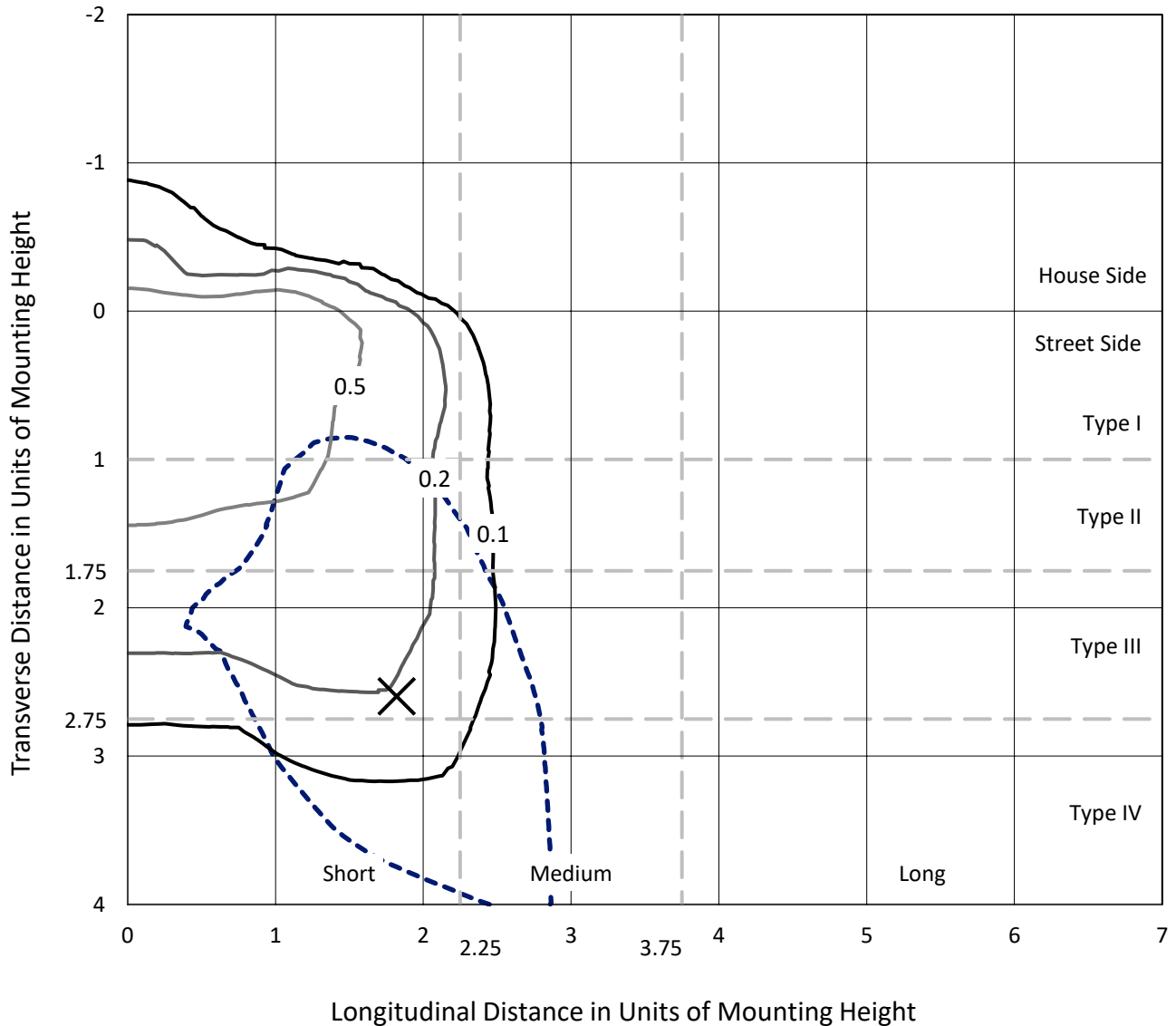
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

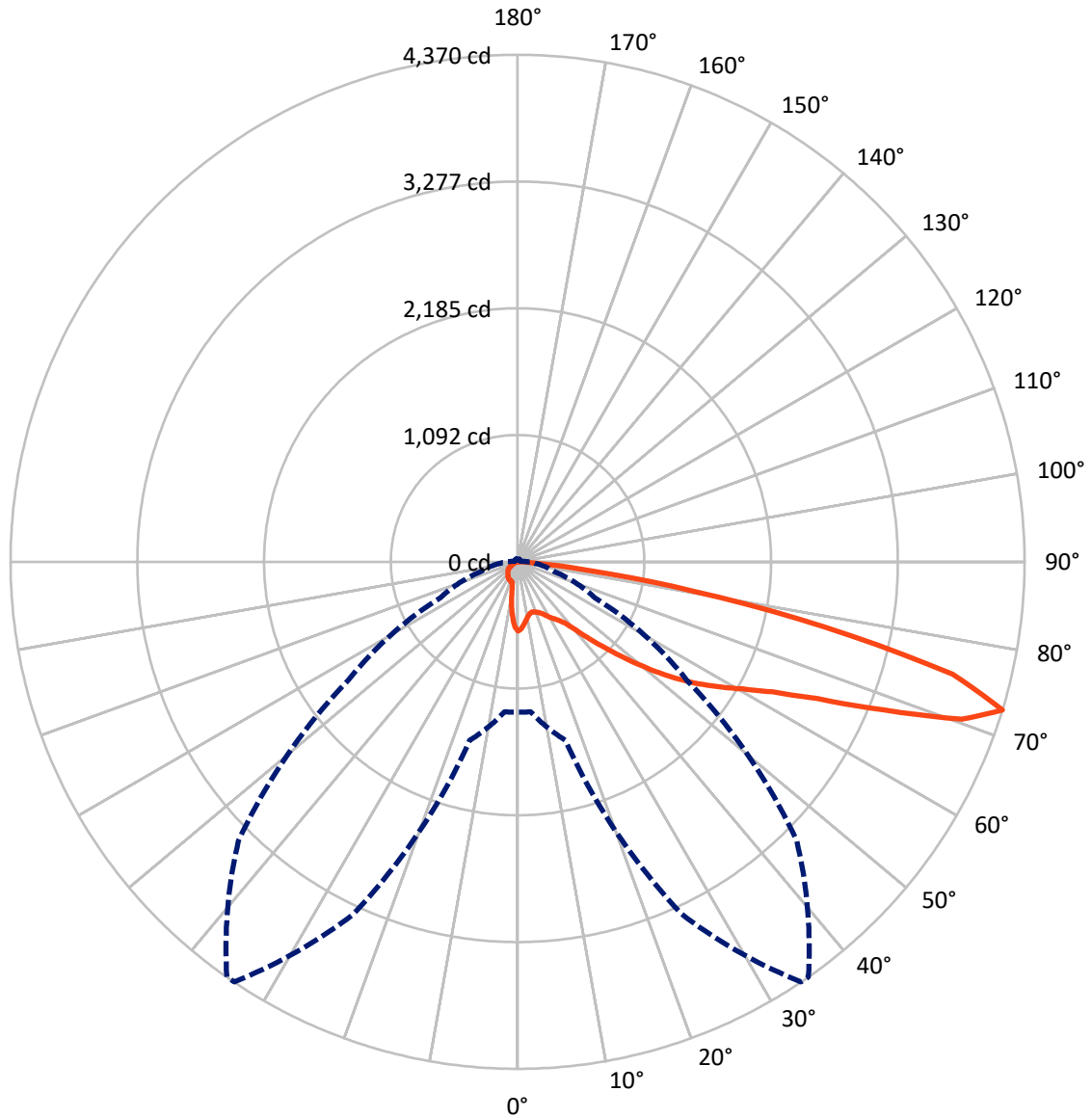
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	463.7	0.0	463.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3656.3	0.0	3656.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4120.0	0.0	4120.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.1	1.2
10°-20°	114.8	2.8
20°-30°	186.5	4.5
30°-40°	311.1	7.6
40°-50°	588.7	14.3
50°-60°	935.4	22.7
60°-70°	1157.1	28.1
70°-80°	719.3	17.5
80°-90°	58.1	1.4
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°	4120.0	100.0
0°-180°	4120.0	100.0

**Coefficient of Utilization**



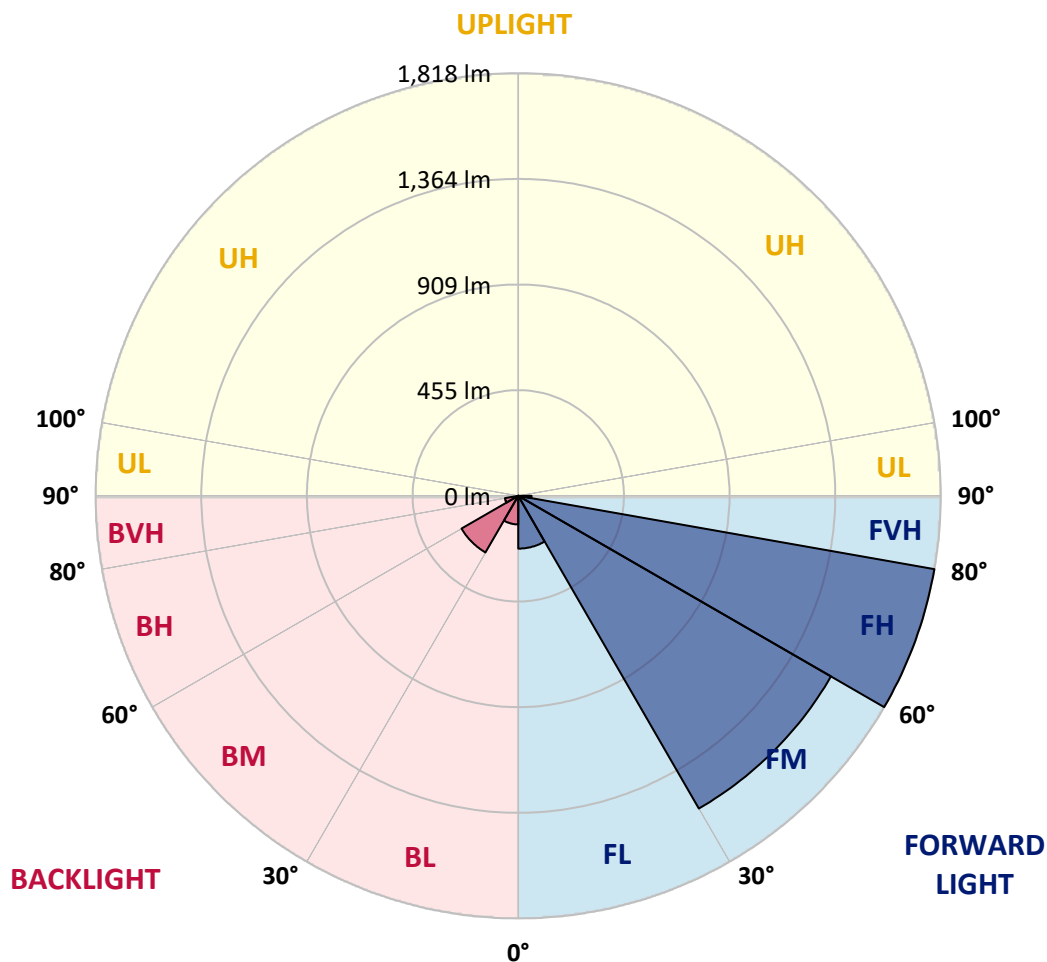
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.1	5.5			
FM (30°-60°)	1553.7	37.7			
FH (60°-80°)	1818.2	44.1			G2/5000
FVH (80°-90°)	57.3	1.4			G1/100
BL (0°-30°)	123.2	3.0	B1/500		
BM (30°-60°)	281.5	6.8	B1/1000		
BH (60°-80°)	58.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	34°	35°	45°	55°	65°	75°
0°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	570.6	575.4	576.3	577.8	577.8	579.6	582.6	586.9	593.8	597.4
5°	525.9	529.5	534.0	537.7	544.6	545.5	557.3	568.7	584.7	596.8
7.5°	480.9	485.1	491.2	499.9	509.0	511.7	529.5	548.8	574.2	596.8
10°	449.2	449.5	454.9	463.7	478.2	481.5	503.2	530.7	562.4	593.2
12.5°	431.4	433.5	435.9	442.6	456.4	458.6	481.8	514.1	550.6	591.1
15°	431.4	432.9	434.4	437.7	448.9	450.7	471.2	503.5	544.6	592.0
17.5°	435.9	438.3	437.1	441.1	452.8	454.0	472.1	500.5	544.3	597.7
20°	446.8	448.6	446.2	448.6	460.4	462.8	481.5	506.3	549.4	607.7
22.5°	464.0	464.9	459.2	461.0	473.1	476.1	497.8	522.6	561.8	623.7
25°	485.7	487.5	478.8	480.9	492.4	496.0	521.1	547.0	581.4	645.7
27.5°	510.8	511.7	504.1	503.8	518.6	523.8	549.1	577.2	607.7	673.5
30°	539.5	542.2	534.9	533.7	552.4	556.7	581.7	614.3	646.3	715.2
32.5°	562.1	564.2	560.0	563.0	582.0	585.4	621.3	666.9	707.0	774.3
35°	594.7	595.9	586.3	591.7	613.4	621.9	675.3	740.5	783.4	848.6
37.5°	712.7	712.7	671.7	644.8	665.7	673.2	749.3	833.2	877.6	948.2
40°	876.1	873.3	813.3	758.3	755.6	770.4	854.6	950.0	999.2	1067.8
42.5°	1050.3	1046.0	964.2	909.9	900.8	906.0	976.3	1094.0	1144.1	1213.6
45°	1204.8	1203.6	1128.7	1055.7	1039.4	1055.7	1128.1	1262.5	1298.4	1371.5
47.5°	1334.3	1334.3	1279.7	1232.0	1223.5	1233.2	1333.7	1449.3	1446.0	1539.6
50°	1483.5	1482.2	1430.3	1409.8	1418.6	1432.1	1570.4	1646.2	1598.8	1704.7
52.5°	1587.9	1595.2	1577.3	1574.0	1618.7	1642.2	1810.7	1838.8	1735.5	1861.4
55°	1670.6	1679.1	1699.6	1722.9	1808.9	1839.7	2043.5	2021.4	1849.9	1997.3
57.5°	1787.8	1775.7	1807.4	1853.3	1992.4	2029.6	2269.0	2193.8	1942.0	2107.5
60°	1929.9	1931.8	1937.2	1995.1	2175.7	2223.4	2491.1	2356.8	2001.2	2175.1
62.5°	2100.8	2103.5	2114.7	2203.8	2421.7	2466.7	2727.8	2490.2	2028.4	2156.1
65°	2089.0	2100.5	2225.2	2529.8	2795.7	2840.1	3004.0	2583.8	1987.3	1982.2
67.5°	1903.1	1921.8	2130.4	2919.2	3359.7	3409.2	3337.9	2602.2	1810.1	1541.4
70°	1659.2	1665.8	1916.7	3269.4	4012.6	4062.8	3636.8	2399.7	1373.6	859.8
72.5°	1295.7	1297.2	1591.5	3350.6	4367.1	4369.8	3402.2	1781.4	738.7	330.3
75°	925.6	916.5	1066.0	2717.3	3842.1	3872.9	2550.6	835.6	282.3	156.1
77.5°	496.3	506.3	603.2	1611.5	2654.2	2706.7	1391.7	240.9	143.7	106.3
80°	153.4	161.8	247.2	737.8	1503.4	1535.1	515.9	107.2	100.2	75.8
82.5°	48.3	50.1	115.3	310.0	624.0	638.5	149.4	60.7	68.5	50.1
85°	13.9	14.2	51.3	115.6	154.3	157.3	42.0	23.5	39.2	31.1
87.5°	1.5	4.8	19.3	19.3	13.6	13.3	4.5	5.1	11.2	3.9
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°
597.1	0°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
599.8	2.5°	598.3	598.6	594.7	588.1	580.8	574.8	567.2	561.2	557.0	555.8
605.3	5°	602.6	600.4	589.3	569.1	544.9	524.1	500.8	482.4	470.3	465.2
611.0	7.5°	608.9	602.9	578.4	538.6	492.4	451.3	409.7	377.4	356.8	346.6
616.4	10°	614.3	602.3	560.3	494.5	423.8	361.7	305.5	266.6	244.8	234.6
622.8	12.5°	619.5	602.0	536.7	442.3	346.6	270.5	218.3	198.9	192.9	190.8
633.1	15°	629.1	602.9	507.2	382.5	269.6	204.4	185.4	185.1	186.3	185.7
648.7	17.5°	642.4	603.8	473.7	319.1	208.0	180.2	179.3	182.0	183.8	182.9
668.4	20°	659.6	607.4	438.0	256.3	178.7	174.2	176.3	178.7	180.2	178.7
694.6	22.5°	683.8	613.7	399.1	205.9	169.4	170.6	172.4	175.1	176.6	174.5
728.1	25°	713.4	623.7	360.8	179.0	164.8	166.3	169.1	172.1	173.9	171.8
770.4	27.5°	751.7	639.7	325.4	173.0	160.3	161.2	165.1	169.7	172.1	169.4
830.5	30°	807.2	666.0	294.9	175.7	157.6	155.5	160.9	167.2	170.0	167.5
912.3	32.5°	880.9	703.1	276.2	179.9	156.4	148.8	154.0	162.1	166.6	165.1
1019.2	35°	977.5	759.5	269.0	184.8	155.5	141.9	145.5	154.3	162.1	163.6
1153.8	37.5°	1094.6	838.0	271.1	186.9	152.8	136.1	138.0	145.5	155.8	160.6
1305.3	40°	1227.8	929.5	283.2	184.8	149.7	131.3	131.6	137.4	146.4	153.7
1468.4	42.5°	1365.1	1036.4	305.5	176.9	147.0	127.1	126.2	130.1	136.1	141.3
1631.1	45°	1495.8	1146.3	327.5	166.0	143.7	122.9	120.8	122.3	123.5	125.6
1789.6	47.5°	1609.9	1223.5	321.2	156.1	139.2	118.0	114.4	113.8	110.2	109.9
1931.2	50°	1688.7	1240.4	285.3	146.1	132.5	112.6	106.9	103.2	96.9	93.9
2037.1	52.5°	1713.8	1173.7	233.1	136.1	121.7	105.4	97.2	91.5	83.6	80.9
2098.1	55°	1680.6	1043.0	186.3	124.1	106.6	95.7	86.6	79.1	72.8	69.4
2104.7	57.5°	1599.4	876.7	147.3	109.9	90.6	84.8	75.8	68.2	62.8	59.5
2031.1	60°	1464.7	696.1	116.5	93.0	77.3	73.1	63.7	58.9	54.0	50.1
1840.9	62.5°	1260.4	496.9	91.5	73.7	64.6	59.8	54.3	50.7	45.0	39.5
1498.9	65°	983.5	304.0	70.6	54.0	51.9	49.5	46.2	42.9	35.9	30.5
977.8	67.5°	620.4	144.0	50.4	40.8	41.1	39.8	38.3	35.6	30.5	25.7
438.0	70°	273.2	69.7	33.2	31.1	30.5	30.5	31.7	30.8	26.0	21.4
152.1	72.5°	93.0	37.4	24.8	23.5	22.0	21.7	26.6	25.7	20.8	16.6
75.8	75°	48.6	25.1	18.1	16.9	13.3	16.0	21.1	19.9	14.8	10.9
50.1	77.5°	31.7	17.8	12.4	10.9	7.5	10.6	15.7	13.9	8.8	5.4
32.9	80°	19.9	11.8	7.2	5.1	3.6	5.7	8.5	6.0	3.3	1.2
19.3	82.5°	10.6	6.0	2.7	1.8	1.5	1.8	2.1	1.5	0.6	0.0
10.0	85°	4.2	2.1	0.9	0.6	0.3	0.0	0.6	0.3	0.0	0.0
1.8	87.5°	1.5	0.3	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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180°
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