

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: P386012

Luminaire Tested: **GWC-SA1C-760-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-760-U-T4W-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5475 lumens
Efficiency: N/A
Efficacy: 92.8 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): 59
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

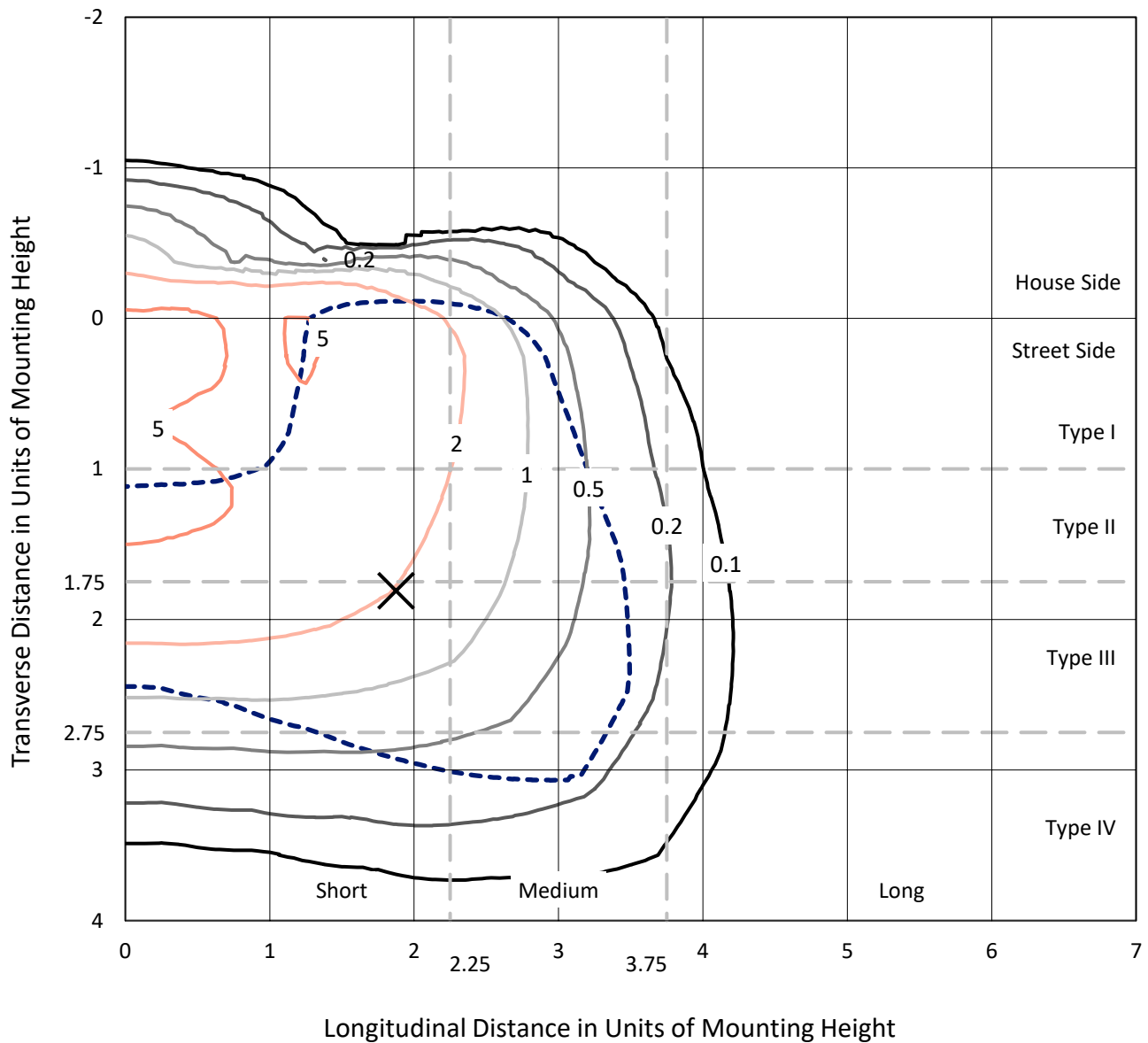


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

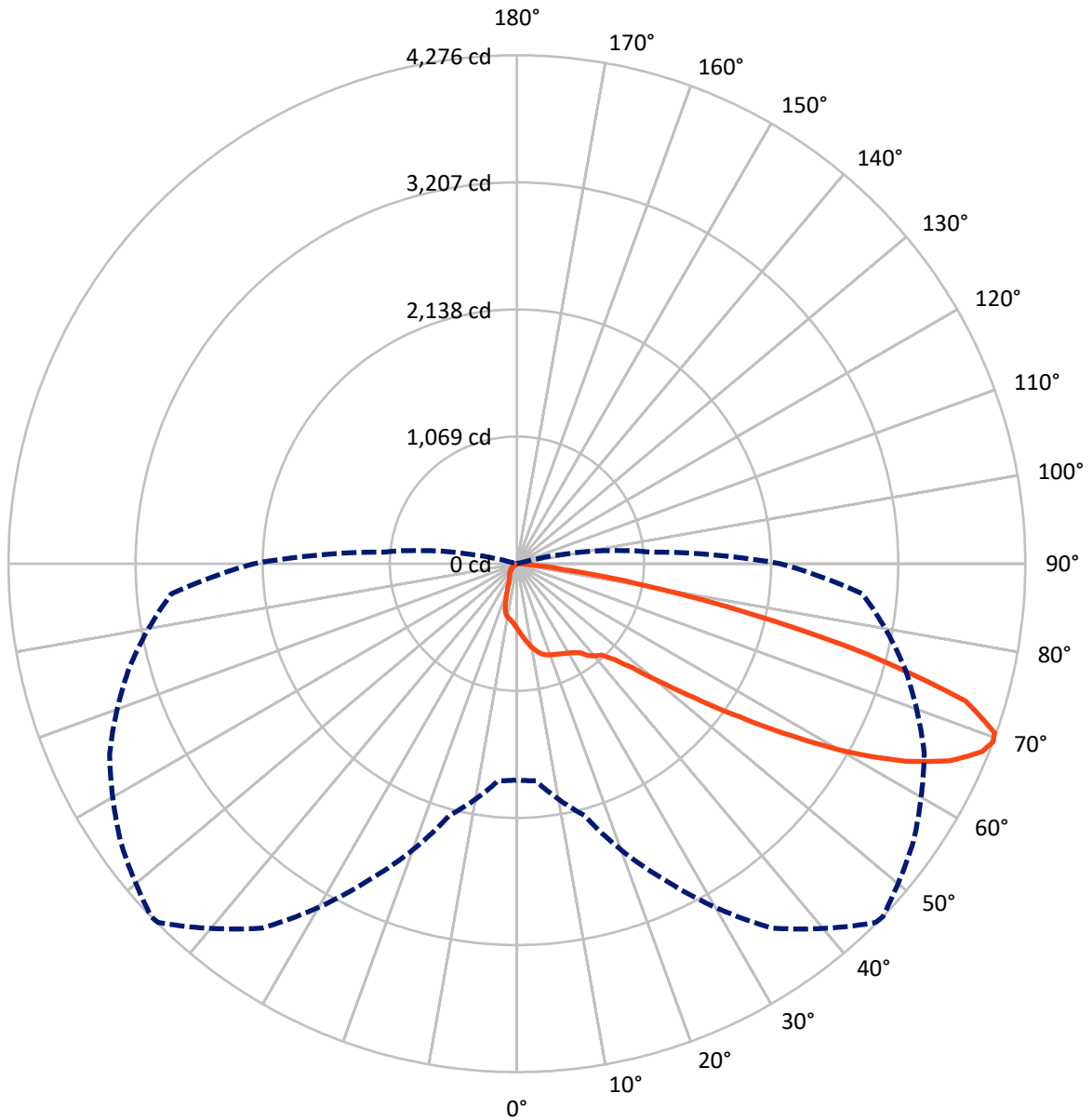


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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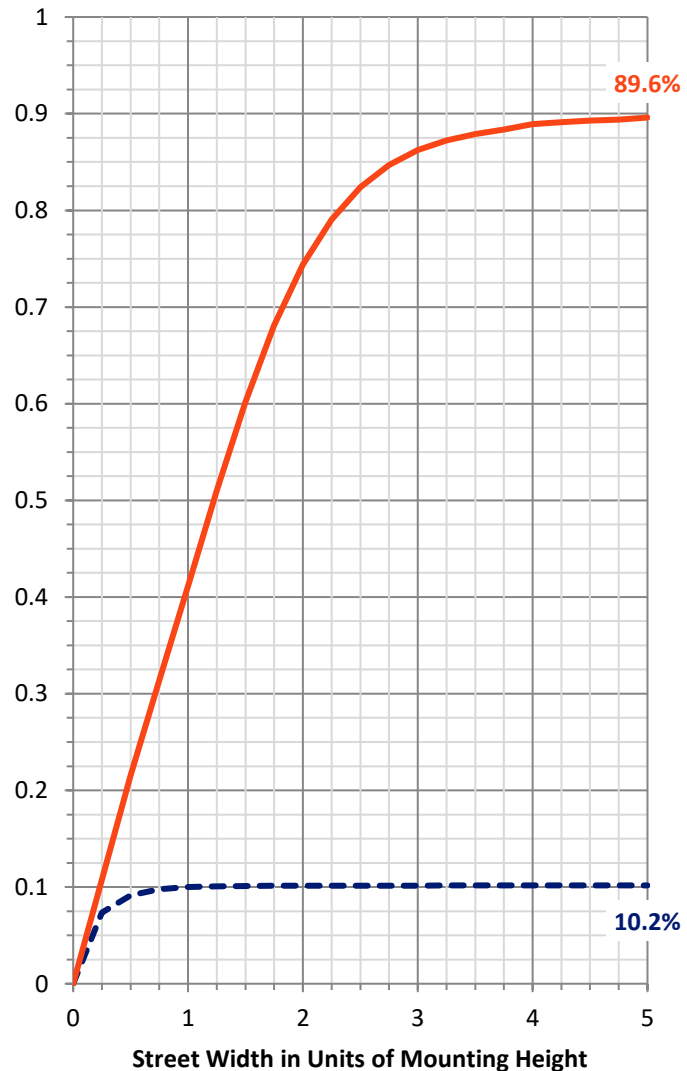
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.9	0.0	561.9
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	4913.1	0.0	4913.1
	% Fixture	89.7	0.0	89.7
Total	Lumens	5475.0	0.0	5475.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	1.0
10°-20°	165.6	3.0
20°-30°	260.5	4.8
30°-40°	373.6	6.8
40°-50°	645.7	11.8
50°-60°	1275.6	23.3
60°-70°	1782.8	32.6
70°-80°	861.3	15.7
80°-90°	55.4	1.0
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°	5475.0	100.0
0°-180°	5475.0	100.0



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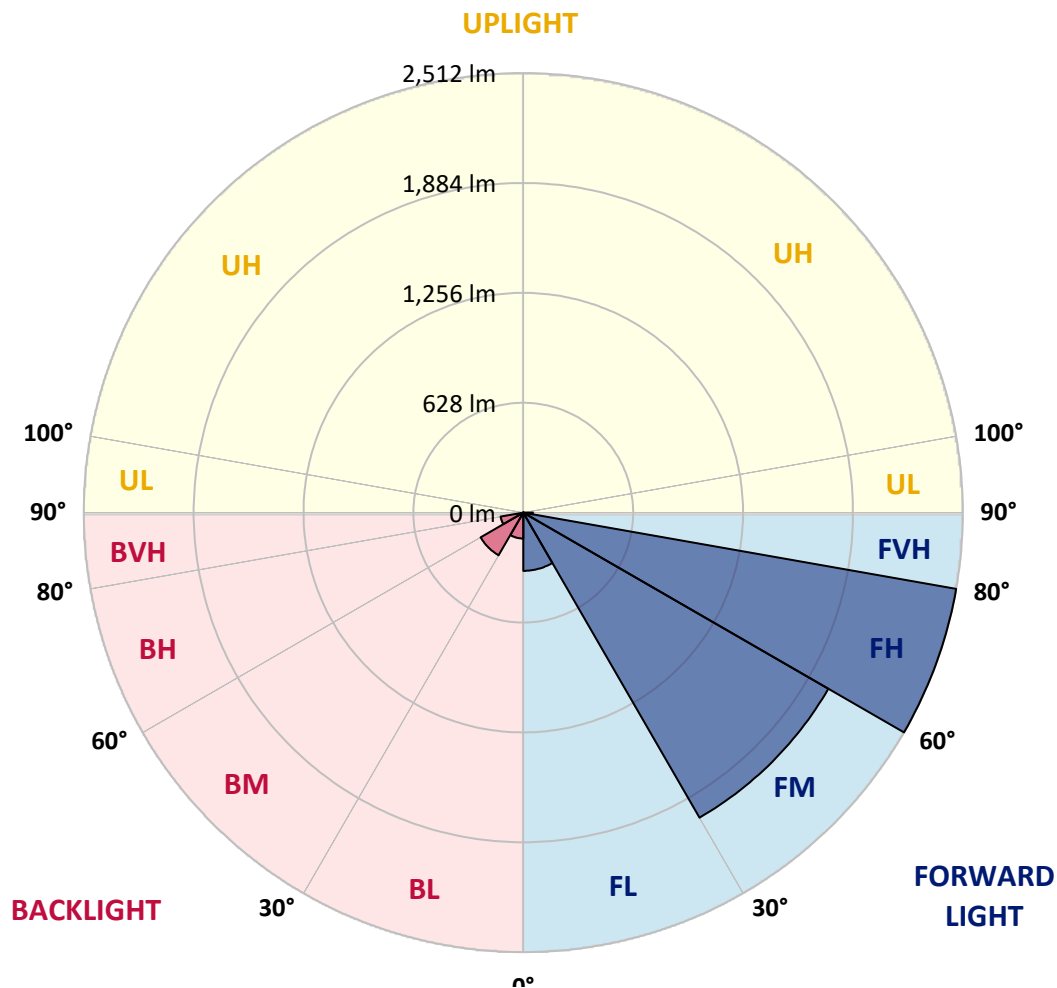
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.7	6.1			
FM	(30°-60°)	2013.3	36.8			
FH	(60°-80°)	2512.3	45.9			G2/5000
FVH	(80°-90°)	54.9	1.0			G1/100
BL	(0°-30°)	148.1	2.7	B1/500		
BM	(30°-60°)	281.6	5.1	B1/1000		
BH	(60°-80°)	131.8	2.4	B1/500		G1/500
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	609.4	608.6	605.0	603.5	594.8	589.6	587.6	581.2	571.9	562.7	552.4
5°	678.7	678.5	671.8	665.4	648.9	633.5	630.7	615.8	595.0	575.5	556.0
7.5°	749.6	746.2	739.6	727.2	703.4	678.7	676.4	655.4	625.8	597.6	569.6
10°	809.6	807.6	798.9	780.1	752.1	724.2	721.3	695.4	662.0	627.4	591.7
12.5°	856.4	854.8	843.3	819.9	790.1	761.1	757.3	734.2	698.5	659.7	617.6
15°	884.9	884.1	870.0	845.1	815.8	790.6	787.3	767.0	733.9	693.4	645.9
17.5°	891.5	891.8	877.2	852.0	827.9	809.9	807.3	791.9	764.2	723.9	674.1
20°	876.6	879.7	866.6	844.8	829.9	820.4	818.4	809.1	785.8	747.8	696.7
22.5°	855.6	857.1	848.1	833.5	827.4	829.2	828.1	823.0	803.2	768.3	719.0
25°	842.8	842.8	837.4	825.0	829.2	840.2	840.4	839.4	823.8	793.5	746.2
27.5°	842.2	840.7	834.5	825.3	836.6	853.5	854.6	861.5	851.7	824.0	780.1
30°	862.8	861.0	847.9	835.8	850.2	868.4	871.0	886.1	881.3	857.1	817.9
32.5°	910.8	904.4	875.4	855.6	866.4	888.2	891.5	915.7	923.4	897.9	854.3
35°	976.5	956.2	914.4	893.1	894.1	916.9	920.0	955.4	978.3	935.4	882.5
37.5°	1067.1	1057.1	989.1	932.1	936.7	971.4	980.3	1018.9	1012.4	956.0	914.6
40°	1265.8	1250.1	1177.8	1041.4	977.5	1015.5	1018.3	1038.9	1039.4	1002.4	981.4
42.5°	1536.4	1530.0	1453.7	1239.9	1057.9	1045.0	1050.2	1084.8	1123.6	1100.5	1099.5
45°	1835.9	1832.6	1751.7	1503.3	1220.4	1141.8	1148.2	1194.7	1268.9	1274.0	1306.6
47.5°	2077.0	2075.4	2029.0	1797.2	1469.1	1305.8	1307.9	1357.2	1487.6	1552.0	1604.1
50°	2296.7	2304.2	2267.5	2115.2	1808.0	1562.8	1557.9	1590.8	1800.3	1905.8	1970.5
52.5°	2602.2	2612.7	2509.8	2412.0	2163.5	1881.6	1877.8	1912.2	2176.1	2255.1	2266.7
55°	2872.0	2854.0	2772.7	2744.4	2597.1	2275.4	2274.4	2304.7	2539.6	2573.2	2594.5
57.5°	2991.1	2984.2	3023.4	3088.1	3051.2	2740.8	2738.5	2715.4	2864.8	2868.4	2933.9
60°	3066.3	3074.8	3195.2	3394.6	3486.8	3241.6	3226.8	3085.8	3175.4	3167.5	3237.5
62.5°	3009.8	3026.5	3243.2	3575.6	3812.8	3678.8	3657.8	3425.2	3440.8	3413.4	3478.6
65°	2710.0	2735.9	3091.0	3541.5	3974.5	4020.5	3999.2	3724.8	3651.6	3606.4	3570.2
67.5°	2200.5	2215.9	2586.5	3244.5	3901.6	4224.3	4219.9	3987.4	3810.8	3573.8	3293.0
69°	1818.5	1833.6	2190.4	2931.8	3741.2	4267.9	4276.4	4071.6	3780.5	3375.6	2917.7
70°	1540.2	1556.4	1888.8	2663.8	3555.1	4247.7	4262.8	4063.6	3693.7	3146.2	2588.3
72.5°	807.8	821.7	1162.9	1835.2	2898.2	3900.3	3946.3	3720.1	3131.0	2284.9	1530.5
75°	253.9	261.8	454.1	959.3	1984.3	3032.7	3043.2	2918.2	2223.3	1256.8	637.4
77.5°	96.8	94.5	151.2	353.5	1003.2	1909.6	1974.0	1823.6	1166.7	444.4	147.1
80°	52.1	52.4	78.6	146.3	429.2	981.4	1035.8	883.8	414.6	138.6	33.9
82.5°	22.6	23.6	44.2	77.5	197.1	362.0	389.2	324.0	158.4	93.2	12.6
85°	4.9	5.4	21.3	42.1	80.3	101.7	106.5	105.0	100.9	72.4	4.9
87.5°	0.0	0.0	9.5	15.1	20.3	23.1	20.3	26.4	55.7	48.8	2.6
90°	0.0	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°
0°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	549.1	544.5	536.5	527.8	521.6	515.2	510.1	507.8	505.2	503.4	505.7
5°	548.1	539.1	523.7	508.8	498.0	489.3	482.1	479.3	476.4	474.4	474.1
7.5°	557.0	544.5	520.9	499.0	482.3	470.5	460.8	456.7	453.3	451.8	450.5
10°	574.2	558.1	526.5	498.0	476.4	456.4	435.4	419.2	408.7	403.8	402.0
12.5°	596.6	576.3	537.3	503.4	472.1	433.6	388.9	350.4	325.5	317.3	312.4
15°	622.8	597.6	551.4	510.3	456.2	385.8	310.1	259.8	236.7	232.1	226.9
17.5°	647.9	620.2	568.3	511.6	421.2	308.3	227.2	193.0	184.1	187.1	187.9
20°	670.0	642.5	585.0	500.3	357.8	231.3	175.8	167.4	170.7	176.6	177.6
22.5°	692.3	664.1	600.4	470.5	276.7	175.6	158.4	160.4	163.8	169.7	170.7
25°	719.5	690.3	614.8	415.9	207.7	149.4	150.4	153.5	156.8	162.2	162.7
27.5°	750.9	723.4	624.3	344.8	154.0	137.3	140.7	145.3	148.6	153.8	154.8
30°	792.4	767.0	627.4	271.1	129.1	126.6	128.1	133.7	138.6	143.2	144.0
32.5°	831.5	810.2	617.1	204.6	119.6	116.5	116.5	119.9	125.5	129.9	130.9
35°	867.4	853.5	584.3	149.7	112.4	107.3	104.7	104.7	108.3	111.9	112.9
37.5°	914.9	914.4	531.1	119.4	105.5	99.6	94.2	90.1	88.8	89.6	90.1
40°	996.3	997.0	461.8	107.0	99.6	91.6	83.4	76.0	69.1	66.7	66.5
42.5°	1123.3	1111.8	389.2	101.1	94.5	83.4	71.1	61.1	50.3	47.0	46.7
45°	1325.1	1256.6	312.2	95.8	89.1	74.2	58.8	45.2	36.5	33.9	33.9
47.5°	1619.0	1446.8	241.8	89.8	81.9	63.7	44.4	32.6	26.7	25.4	25.7
50°	1923.0	1633.1	185.3	82.4	73.2	52.6	32.9	23.6	20.3	20.3	20.5
52.5°	2192.5	1769.7	144.5	74.4	62.4	41.3	24.9	18.5	16.9	16.7	16.9
55°	2444.8	1857.8	110.6	65.2	49.5	30.8	19.0	15.1	14.1	13.6	13.3
57.5°	2688.2	1901.4	82.9	52.6	35.9	22.3	15.1	12.8	11.8	11.0	10.8
60°	2850.2	1866.0	57.0	38.8	24.9	16.2	12.6	11.0	9.8	9.0	8.7
62.5°	2941.6	1769.2	36.7	28.0	17.7	12.1	10.0	9.2	7.4	6.7	6.7
65°	2904.6	1609.5	25.7	20.0	12.8	9.0	7.4	7.4	5.4	4.4	4.1
67.5°	2574.0	1359.8	19.5	14.9	9.2	6.7	5.6	6.4	3.3	2.1	2.1
69°	2214.6	1126.9	16.7	12.3	7.7	5.4	4.9	5.9	2.3	1.5	1.3
70°	1924.8	972.1	15.1	10.8	6.4	4.6	4.4	5.6	2.3	1.3	1.0
72.5°	1151.6	542.2	11.6	7.7	4.1	3.6	3.6	6.4	2.3	1.3	1.0
75°	465.4	191.0	8.5	5.4	3.1	3.1	4.4	8.2	2.1	1.0	0.8
77.5°	105.5	41.8	4.9	3.3	2.1	3.1	5.1	6.4	1.3	0.5	0.0
80°	25.7	10.3	3.1	2.1	1.3	2.3	3.9	3.6	0.3	0.0	0.0
82.5°	8.5	3.6	1.3	1.0	0.3	0.8	1.8	1.0	0.0	0.0	0.0
85°	3.6	2.1	0.5	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	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	0.0



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