

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: P269979

Luminaire Tested: **GPC-AF-01-LED-E1-T2-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-T2-7027-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4378.4 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

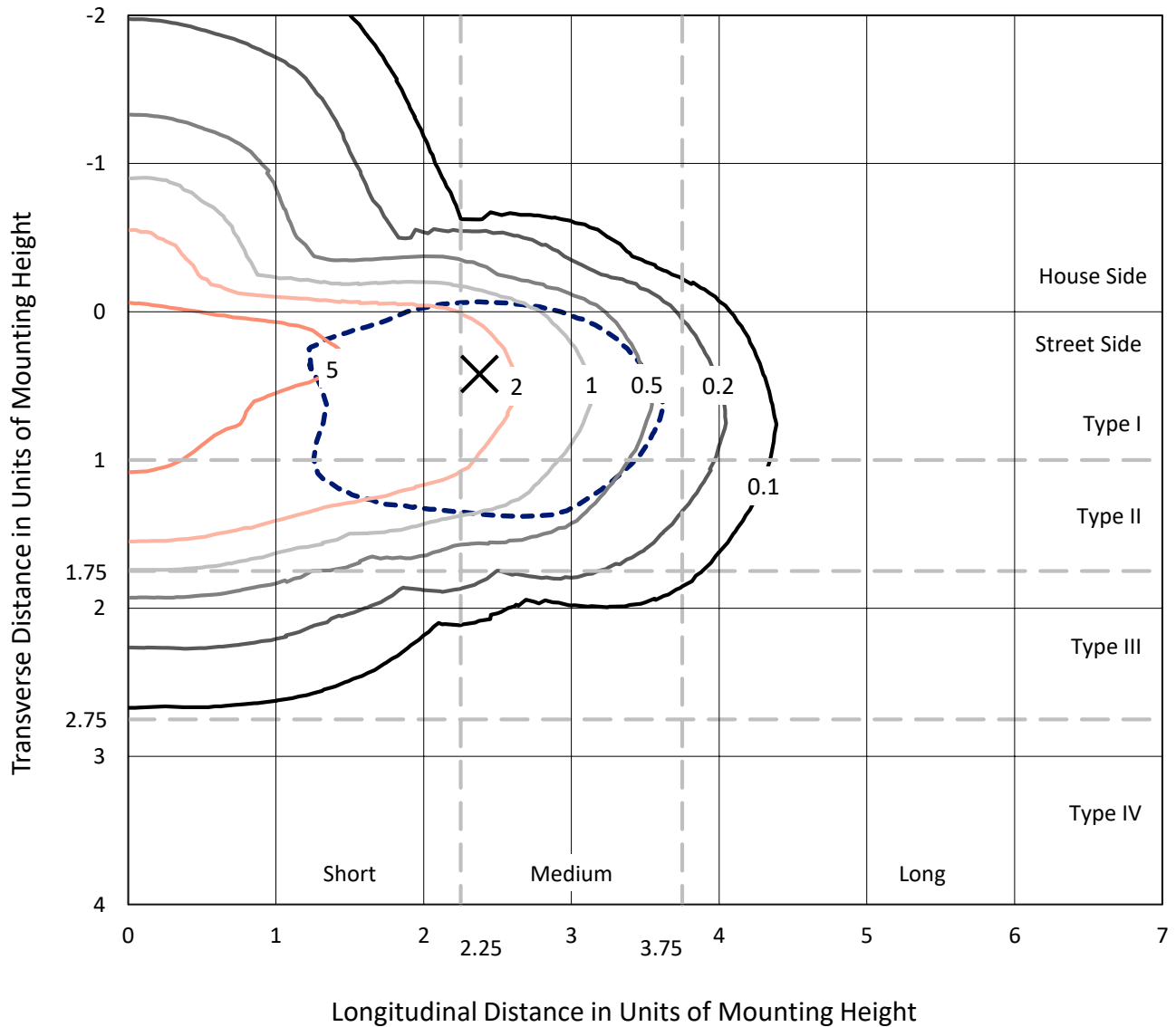
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P269979
 CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

Iso-Footcandle Lines of Horizontal Illumination

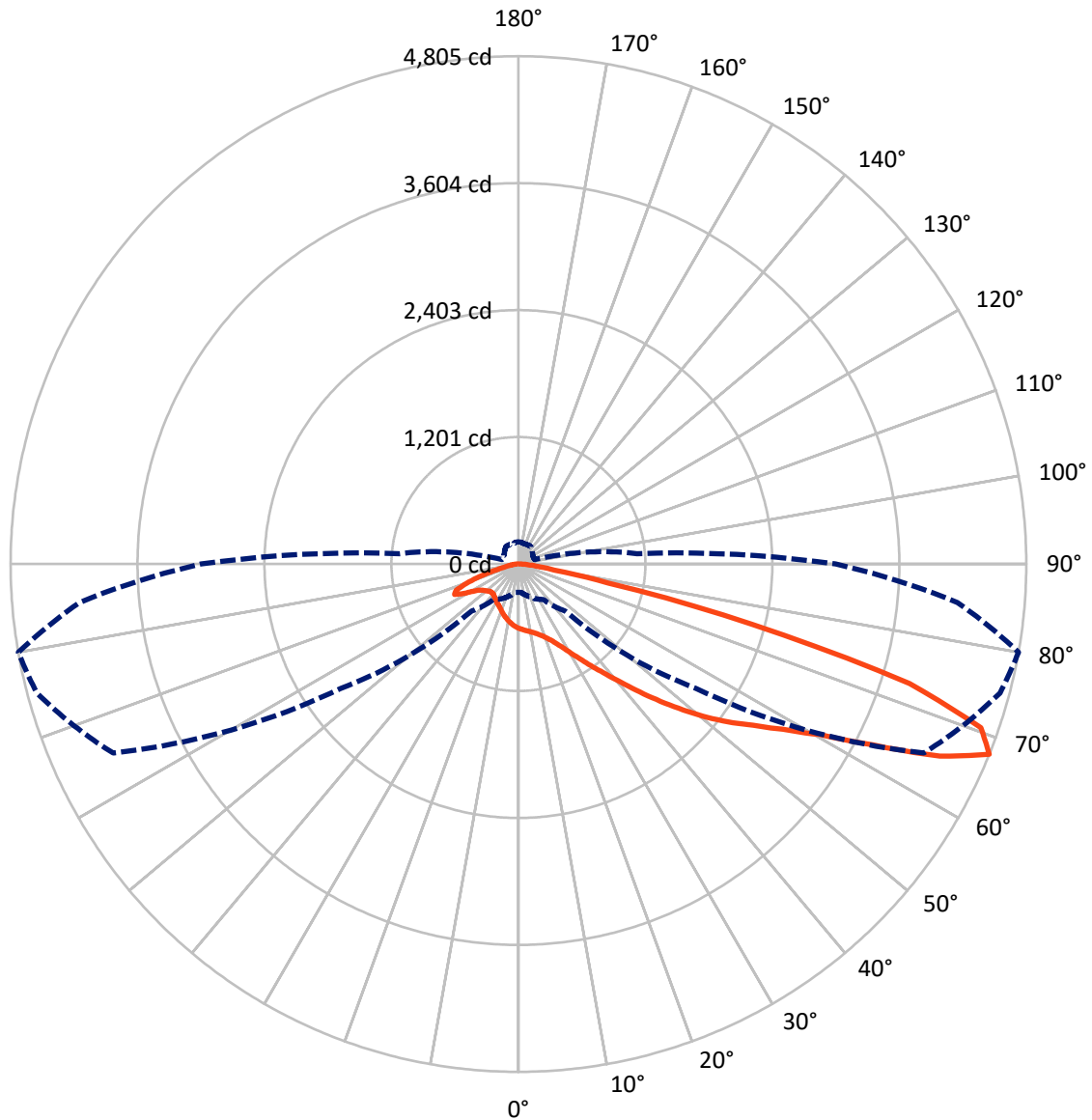
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P269979
CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P269979

CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

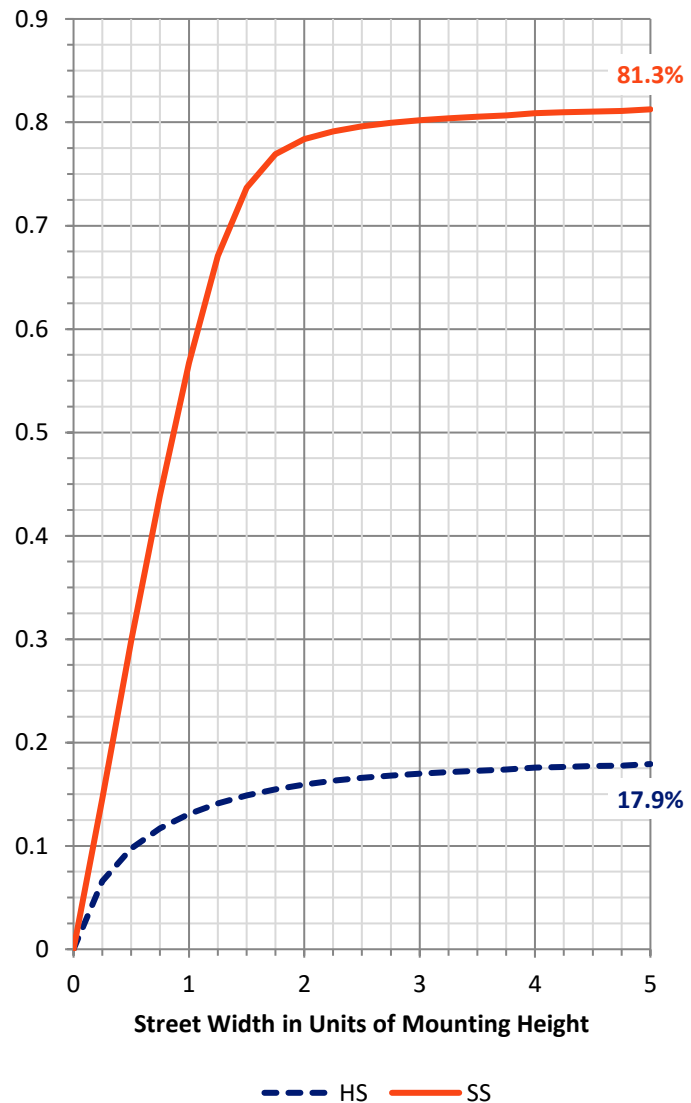
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.3	0.0	806.3
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	3572.1	0.0	3572.1
	% Fixture	81.6	0.0	81.6
Total	Lumens	4378.4	0.0	4378.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	1.3
10°-20°	161.6	3.7
20°-30°	267.5	6.1
30°-40°	437.6	10.0
40°-50°	706.6	16.1
50°-60°	1020.2	23.3
60°-70°	1125.8	25.7
70°-80°	518.9	11.9
80°-90°	83.9	1.9
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°	4378.4	100.0
0°-180°	4378.4	100.0



REPORT NUMBER: P269979

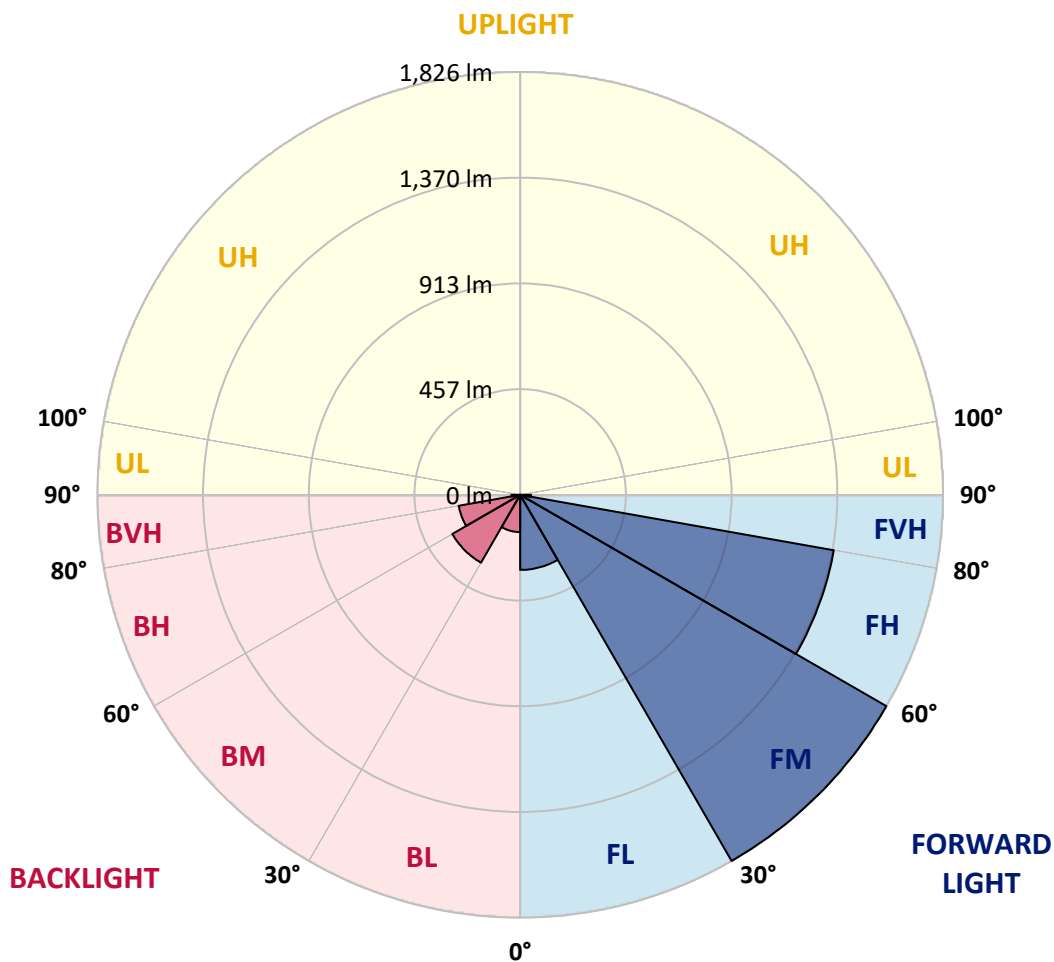
CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.4	7.4			
FM (30°-60°)	1826.1	41.7			
FH (60°-80°)	1375.4	31.4			G1/1800
FVH (80°-90°)	46.1	1.1			G1/100
BL (0°-30°)	160.9	3.7	B1/500		
BM (30°-60°)	338.3	7.7	B1/1000		
BH (60°-80°)	269.4	6.2	B1/500		G1/500
BVH (80°-90°)	37.8	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





REPORT NUMBER: P269979

CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3
2.5°	665.5	661.5	662.2	661.2	657.9	652.3	646.2	635.2	623.9	617.8	613.1
5°	721.0	719.9	718.5	715.1	706.7	695.2	680.7	661.3	640.4	629.4	618.8
7.5°	762.7	762.0	760.1	757.9	749.9	735.9	714.2	686.6	656.1	641.0	624.7
10°	766.1	767.2	768.7	774.5	775.5	768.1	745.9	712.4	672.6	653.1	632.1
12.5°	736.8	739.1	745.0	759.8	775.5	784.8	773.4	739.6	691.8	668.2	641.7
15°	698.0	699.2	706.3	726.9	755.0	783.7	794.6	769.5	716.5	687.7	655.9
17.5°	681.4	682.1	686.9	700.6	726.9	767.8	806.4	802.0	746.9	711.7	673.4
20°	672.9	674.4	681.5	694.8	711.5	747.3	808.0	837.2	783.1	741.9	695.4
22.5°	696.8	696.2	698.8	705.4	719.5	741.0	806.8	873.4	829.2	780.7	724.0
25°	752.7	755.0	750.5	743.0	747.5	762.7	813.8	912.7	886.9	830.6	761.6
27.5°	832.2	829.9	823.1	805.5	796.3	802.7	836.5	954.9	958.9	896.1	811.1
30°	911.6	909.7	903.2	881.5	862.6	857.3	881.0	1003.3	1044.4	974.8	872.0
32.5°	994.0	991.8	985.7	964.2	941.3	928.8	944.1	1059.5	1145.2	1068.8	943.5
35°	1095.5	1091.4	1078.7	1048.6	1026.3	1016.5	1023.7	1129.9	1261.6	1180.0	1030.4
37.5°	1191.0	1197.3	1184.2	1142.9	1113.8	1110.3	1118.3	1215.9	1387.1	1304.2	1130.2
40°	1286.8	1287.9	1276.3	1242.4	1212.5	1206.9	1226.9	1320.2	1535.2	1453.0	1251.5
42.5°	1385.9	1388.2	1368.6	1337.2	1315.3	1316.3	1339.3	1442.5	1705.1	1628.3	1391.1
45°	1503.5	1506.6	1485.2	1444.1	1424.2	1464.4	1455.0	1579.6	1891.2	1827.4	1551.6
47.5°	1626.3	1631.3	1615.0	1576.5	1551.6	1607.0	1570.7	1731.6	2091.8	2041.0	1727.6
50°	1693.3	1700.5	1716.4	1713.6	1708.2	1699.0	1699.9	1894.4	2298.5	2263.5	1908.7
52.5°	1657.4	1657.2	1715.4	1786.1	1861.5	1867.0	1857.2	2066.3	2491.5	2480.9	2079.1
55°	1492.8	1503.9	1592.1	1729.0	1934.9	2063.6	2093.1	2263.1	2681.3	2693.5	2252.3
57.5°	1218.6	1227.8	1346.7	1537.4	1835.9	2180.5	2428.4	2549.1	2893.4	2950.8	2482.7
60°	826.4	837.6	963.7	1192.9	1569.0	2115.4	2747.6	3059.5	3147.2	3277.6	2806.0
62.5°	485.7	495.8	598.6	752.5	1104.6	1813.0	2887.7	3785.7	3550.6	3771.1	3299.2
65°	334.3	341.3	391.2	468.3	634.8	1221.1	2714.0	4287.2	4171.1	4382.4	3871.1
67.5°	269.0	268.1	307.8	360.4	408.6	629.6	2052.3	4230.4	4716.9	4805.0	4167.9
70°	221.6	220.8	247.7	291.2	326.5	354.7	1117.9	3570.0	4605.7	4641.5	3894.6
72.5°	185.4	186.3	203.5	235.9	268.0	267.1	491.3	2511.4	3623.3	3870.6	3104.6
75°	156.5	156.9	168.3	191.2	217.5	215.1	266.3	1360.6	2106.2	2278.5	1721.0
77.5°	133.2	133.7	140.9	153.7	172.5	171.5	194.5	587.9	878.6	867.9	588.7
80°	118.8	118.8	122.2	124.5	134.9	131.1	144.2	282.3	371.4	343.0	234.9
82.5°	93.2	93.6	114.7	113.8	106.3	101.2	101.2	166.4	196.8	181.9	137.5
85°	52.5	52.1	73.9	89.2	93.6	71.3	70.6	93.2	107.2	94.4	66.7
87.5°	22.4	22.8	34.2	39.6	53.0	44.3	43.7	48.1	54.5	47.3	30.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P269979

CATALOG NUMBER: GPC-AF-01-LED-E1-T2-7027-800

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3
2.5°	608.5	602.9	590.6	575.4	561.5	552.5	544.3	532.4	533.1	524.9	518.9
5°	608.1	596.5	568.0	534.1	501.7	478.1	460.4	444.5	440.6	433.1	428.5
7.5°	608.5	589.6	541.7	487.6	447.3	417.5	402.4	394.0	392.1	389.5	389.8
10°	609.9	583.3	512.8	444.0	401.8	382.1	378.5	381.2	384.1	385.0	385.3
12.5°	613.5	577.7	481.1	405.2	373.3	367.2	373.5	382.4	388.2	391.0	390.9
15°	621.2	573.4	450.7	374.9	357.5	360.8	372.4	385.0	393.4	397.3	397.5
17.5°	629.6	567.1	419.5	351.5	345.9	354.1	368.6	383.2	393.5	397.9	398.8
20°	640.6	559.4	386.7	334.1	335.0	344.2	357.9	372.4	383.8	387.6	389.2
22.5°	655.0	550.9	358.1	319.8	322.4	329.6	340.2	352.9	362.7	364.5	366.0
25°	674.4	541.9	335.2	307.0	307.9	312.2	319.3	326.8	333.7	331.7	333.2
27.5°	700.6	534.1	318.2	295.2	293.1	294.0	297.7	300.0	303.6	298.3	299.0
30°	731.1	525.7	305.1	284.8	279.4	277.8	278.7	280.0	282.7	275.5	274.4
32.5°	766.8	515.5	292.7	275.7	268.1	265.1	265.5	269.0	279.8	275.3	272.8
35°	808.0	504.2	279.8	265.8	260.6	256.2	255.8	266.6	298.7	295.9	293.7
37.5°	856.7	492.7	266.8	254.6	254.9	250.3	248.7	261.0	302.4	291.4	290.0
40°	918.2	486.7	255.8	242.7	248.1	247.5	244.3	250.6	278.3	258.3	255.7
42.5°	994.6	487.6	247.7	230.0	239.8	246.9	242.1	242.4	252.2	237.2	234.7
45°	1088.7	497.8	241.9	219.8	230.7	246.1	241.3	237.7	238.6	230.7	229.3
47.5°	1198.7	518.6	237.7	211.5	221.8	243.8	240.9	236.4	234.5	230.2	229.2
50°	1320.9	549.0	234.7	203.5	213.8	239.8	241.3	235.1	233.0	231.4	230.7
52.5°	1440.9	583.7	230.2	196.5	207.6	235.1	241.9	233.9	231.6	230.2	229.5
55°	1574.8	627.0	223.3	190.8	202.4	229.2	241.9	231.9	229.3	229.5	229.3
57.5°	1755.6	697.1	215.1	185.8	196.2	221.8	237.7	229.7	226.6	226.7	227.0
60°	2038.3	820.6	205.3	180.9	188.4	213.2	232.1	225.0	221.8	222.7	222.9
62.5°	2453.8	1001.9	192.2	173.6	180.2	203.9	224.3	218.9	215.8	217.8	217.8
65°	2885.7	1161.8	176.2	164.2	171.5	193.8	214.7	211.5	208.2	213.2	213.0
67.5°	3002.0	1126.0	160.3	154.1	163.0	182.5	203.0	201.3	199.7	208.2	207.8
70°	2666.8	904.1	145.7	143.8	153.5	170.5	190.5	190.5	189.5	195.9	194.5
72.5°	2031.7	641.0	131.7	132.8	142.7	157.4	177.0	178.5	176.7	180.0	178.8
75°	1087.7	366.9	117.7	120.7	129.4	144.0	161.9	163.4	162.4	162.1	162.8
77.5°	361.5	179.3	103.0	107.7	115.3	130.2	146.2	148.5	146.0	145.4	145.3
80°	161.1	112.7	86.9	93.2	99.8	114.4	129.5	131.5	128.6	132.6	127.6
82.5°	103.5	74.1	69.6	76.5	83.1	98.8	112.9	113.4	110.9	128.6	109.8
85°	50.2	46.0	52.5	58.6	64.1	77.7	93.6	93.8	87.2	79.5	76.7
87.5°	25.1	26.7	34.9	40.6	43.3	53.2	68.1	66.8	64.0	58.2	53.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)