

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: P200300

Luminaire Tested: **GPC-AF-02-LED-E1-SL4-7050-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-SL4-7050-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6642 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

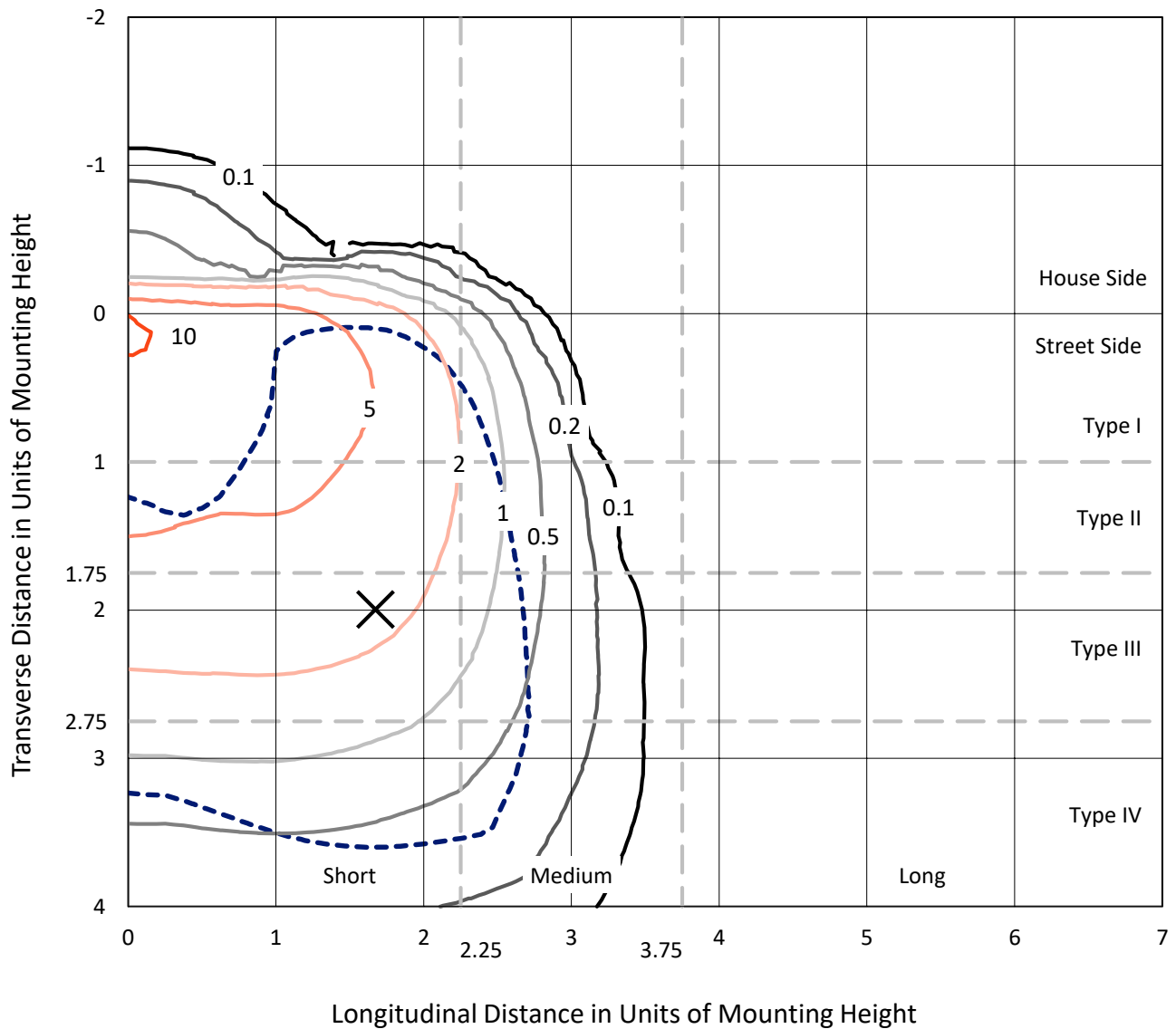


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Iso-Footcandle Lines of Horizontal Illumination

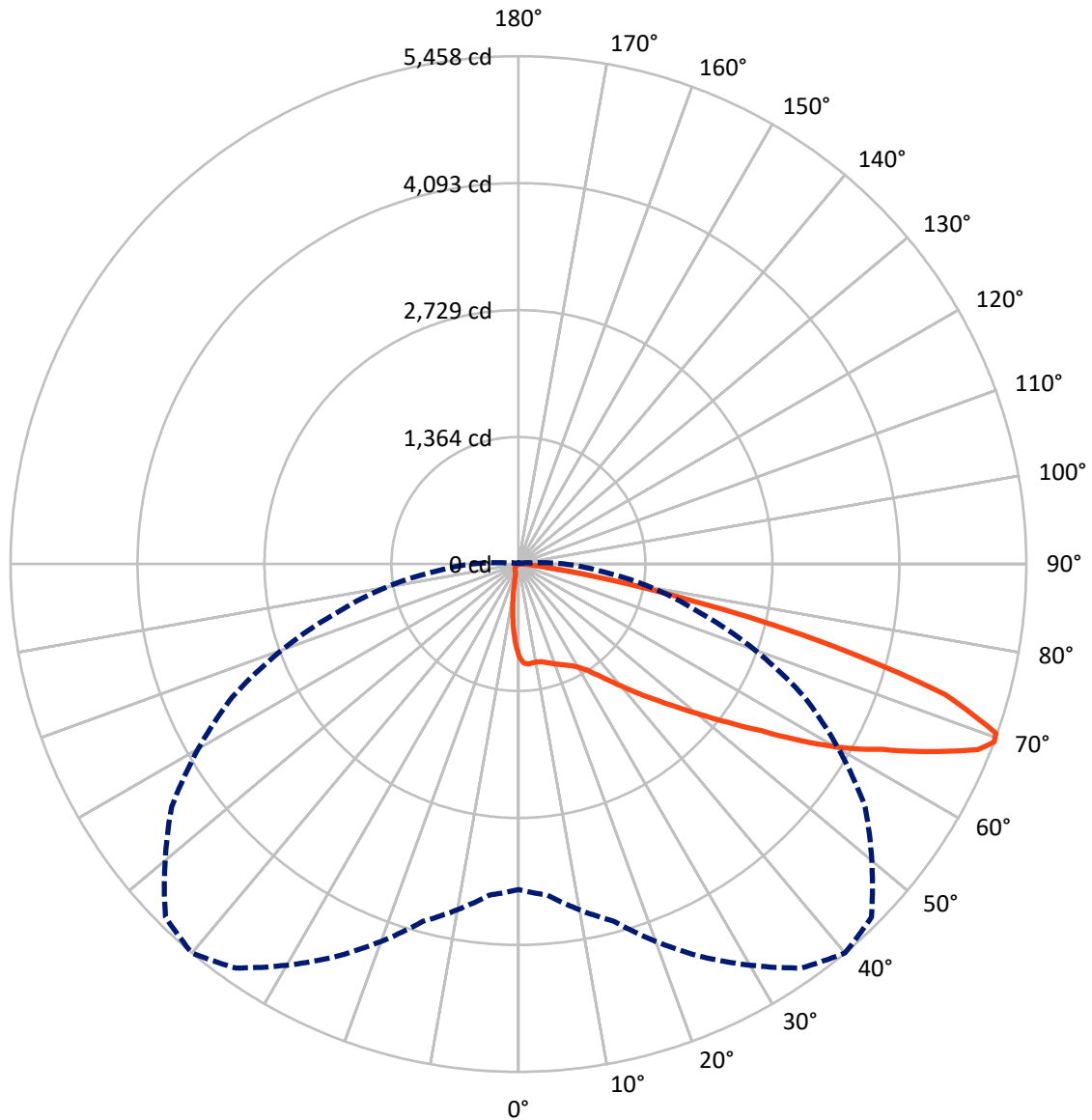
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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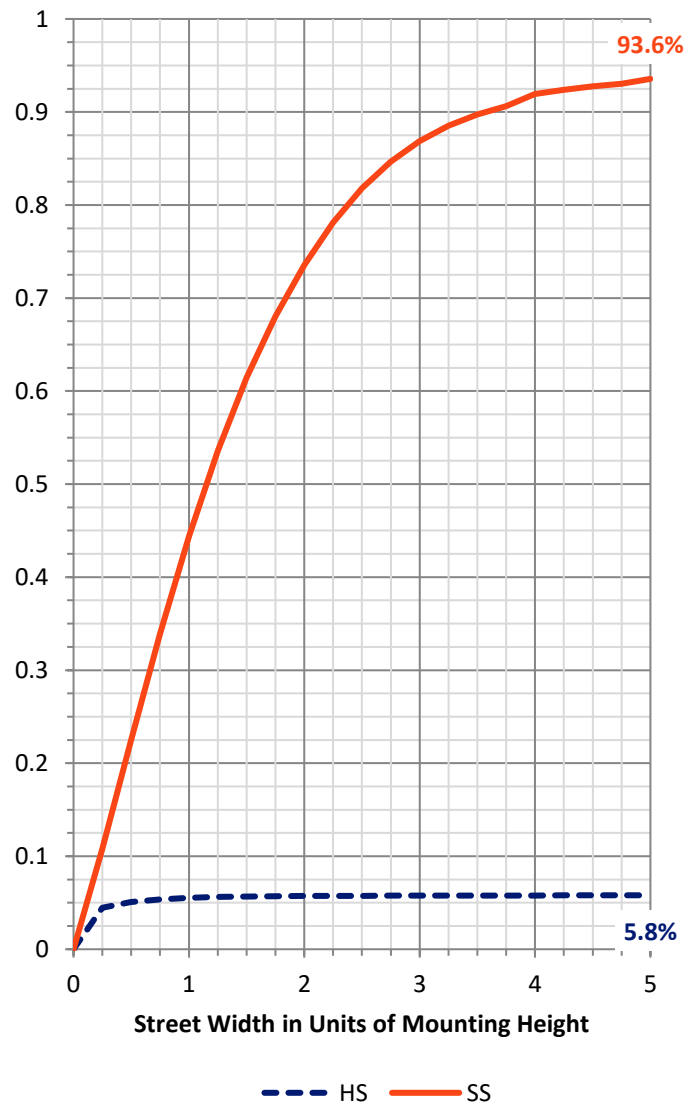
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.6	0.0	388.6
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	6253.4	0.0	6253.4
	% Fixture	94.1	0.0	94.1
Total	Lumens	6642.0	0.0	6642.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	1.2
10°-20°	197.9	3.0
20°-30°	333.3	5.0
30°-40°	545.6	8.2
40°-50°	944.7	14.2
50°-60°	1487.9	22.4
60°-70°	1943.2	29.3
70°-80°	1000.8	15.1
80°-90°	108.2	1.6
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°	6642.0	100.0
0°-180°	6642.0	100.0



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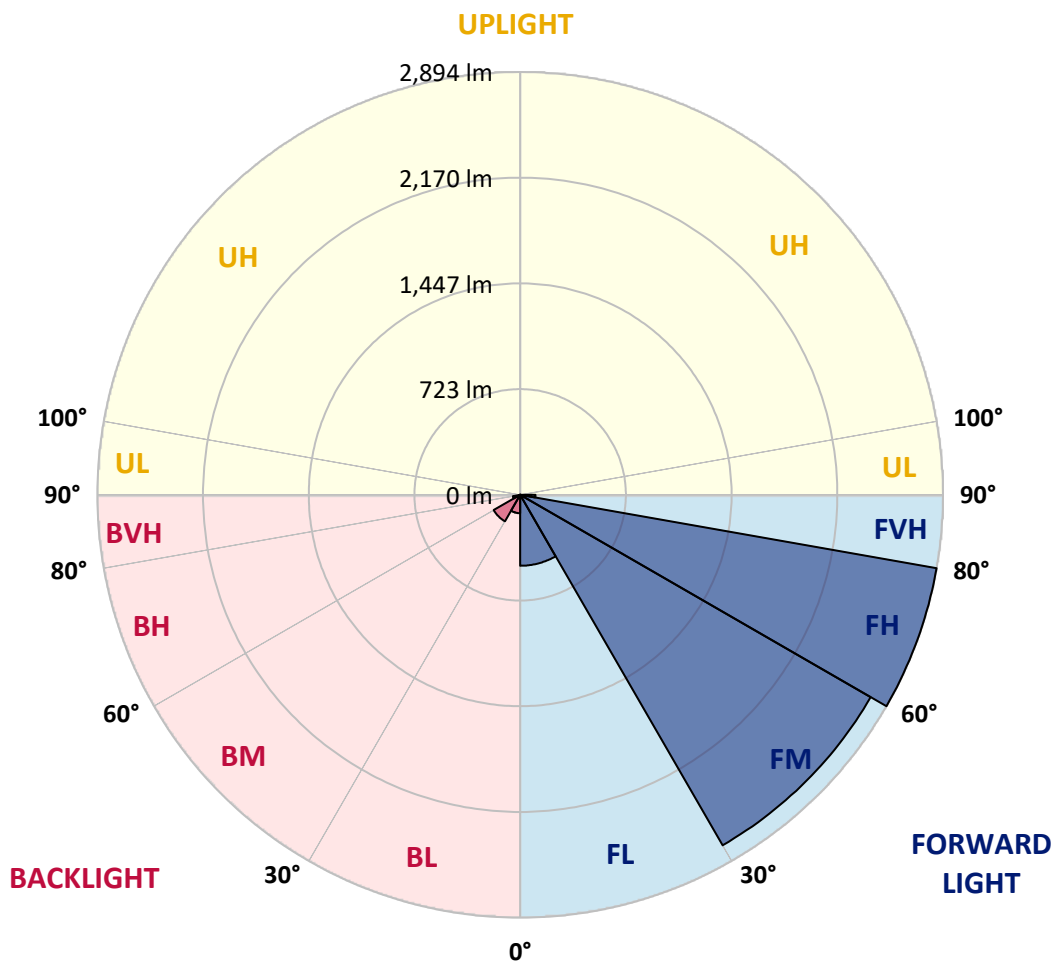
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.7	7.3			
FM	(30°-60°)	2769.3	41.7			
FH	(60°-80°)	2893.5	43.6			G2/5000
FVH	(80°-90°)	104.9	1.6			G2/225
BL	(0°-30°)	125.9	1.9	B1/500		
BM	(30°-60°)	208.9	3.1	B0/220		
BH	(60°-80°)	50.5	0.8	B0/110		G0/110
BVH	(80°-90°)	3.4	0.1			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°	85°
0°	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3
2.5°	1089.6	1083.7	1080.1	1075.4	1069.4	1064.3	1062.3	1047.7	1033.9	1014.9	993.1
5°	1109.8	1107.8	1101.5	1095.1	1088.0	1080.1	1075.8	1058.4	1038.6	1010.9	973.0
7.5°	1111.7	1109.4	1101.5	1092.8	1082.9	1073.4	1065.9	1048.5	1030.3	1002.2	956.0
10°	1108.6	1105.8	1099.9	1090.4	1078.1	1069.0	1061.5	1044.9	1029.5	1004.2	952.8
12.5°	1105.0	1102.3	1099.5	1094.7	1084.1	1077.7	1071.4	1055.6	1041.8	1020.4	964.3
15°	1108.6	1107.0	1110.2	1108.2	1102.3	1096.7	1090.4	1076.2	1063.5	1045.7	985.2
17.5°	1123.6	1123.6	1133.5	1134.7	1129.1	1121.2	1112.1	1097.9	1087.2	1072.2	1010.1
20°	1158.8	1157.6	1170.3	1172.6	1159.2	1146.9	1133.5	1116.1	1107.8	1098.3	1034.7
22.5°	1219.3	1213.7	1221.3	1218.9	1192.4	1173.4	1156.8	1135.5	1131.1	1126.8	1061.9
25°	1298.0	1294.8	1299.9	1276.6	1230.0	1204.3	1184.5	1160.4	1160.4	1164.7	1092.8
27.5°	1412.2	1400.4	1383.0	1341.8	1271.9	1239.1	1217.7	1192.0	1198.7	1214.9	1133.5
30°	1529.2	1516.2	1476.3	1413.0	1322.9	1288.5	1263.6	1236.7	1252.5	1282.1	1188.1
32.5°	1644.7	1630.1	1573.5	1493.7	1396.0	1361.6	1337.5	1307.8	1334.3	1384.1	1267.9
35°	1756.6	1743.5	1678.3	1584.2	1493.3	1464.8	1442.7	1417.0	1451.0	1520.5	1380.6
37.5°	1882.3	1868.1	1788.6	1686.6	1611.5	1590.9	1574.7	1549.0	1608.3	1710.3	1537.5
40°	2036.9	2012.8	1905.6	1804.0	1748.3	1738.4	1727.3	1723.8	1815.9	1957.0	1746.7
42.5°	2214.0	2174.5	2028.2	1927.8	1898.5	1905.6	1902.9	1918.7	2075.6	2263.8	2001.3
45°	2391.1	2340.1	2164.6	2059.8	2063.8	2088.7	2104.1	2167.4	2401.0	2615.7	2275.3
47.5°	2541.4	2491.2	2295.4	2202.5	2250.0	2299.0	2340.9	2460.7	2735.5	2962.0	2488.4
50°	2669.9	2622.4	2434.2	2359.5	2466.2	2545.3	2613.3	2790.8	3095.3	3225.7	2637.8
52.5°	2775.0	2743.4	2578.1	2539.4	2713.3	2829.2	2928.8	3141.5	3413.9	3440.0	2754.1
55°	2877.4	2854.9	2732.7	2753.3	3003.5	3161.3	3287.4	3513.5	3688.3	3618.7	2865.6
57.5°	2995.2	2974.7	2909.0	3024.5	3385.1	3583.5	3721.1	3843.3	3929.9	3801.4	2970.7
60°	3115.4	3103.6	3105.1	3325.8	3823.1	4013.7	4089.6	4121.2	4167.1	3973.3	2976.7
62.5°	3230.1	3252.6	3329.3	3661.0	4242.6	4388.9	4427.2	4458.5	4404.7	4000.6	2750.1
65°	3424.2	3461.0	3644.0	4109.7	4704.0	4860.5	4900.1	4792.9	4442.2	3648.0	2236.9
67.5°	3519.1	3586.3	3912.9	4528.0	5151.5	5325.5	5310.8	4814.7	3986.4	2781.7	1435.5
69°	3499.3	3570.9	3974.9	4656.1	5300.2	5457.9	5365.0	4548.6	3396.1	2015.1	881.3
70°	3421.0	3493.4	3942.9	4651.4	5319.1	5444.1	5264.6	4220.1	2871.5	1473.5	551.1
72.5°	2856.9	2919.3	3500.5	4204.2	4900.1	4798.5	4404.3	2923.7	1399.2	401.3	124.1
75°	1758.6	1793.3	2511.7	3167.2	3700.9	3440.0	2934.3	1454.5	417.1	113.5	68.8
77.5°	929.1	944.9	1375.1	1866.9	2346.1	1941.2	1503.9	567.3	192.1	71.2	49.8
80°	549.2	561.0	740.5	853.6	1015.3	848.0	601.3	348.3	137.6	44.7	44.3
82.5°	314.3	321.8	536.9	474.4	400.1	341.6	299.3	330.1	82.6	30.0	45.9
85°	115.4	117.0	302.1	361.0	238.0	141.5	148.7	273.6	22.1	19.0	36.0
87.5°	53.8	52.6	155.4	221.0	139.2	89.7	115.8	60.1	8.7	12.3	9.9
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°	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3
2.5°	980.5	965.9	939.4	912.1	884.4	863.1	842.1	825.5	820.0	809.7	810.5
5°	950.4	923.6	868.2	812.1	753.6	705.3	659.9	623.1	605.3	587.1	587.1
7.5°	924.3	885.2	798.6	707.3	612.8	533.3	461.8	408.0	378.4	354.6	354.2
10°	914.5	861.5	740.5	609.6	478.0	369.7	284.7	230.1	202.0	183.8	183.1
12.5°	918.8	853.2	695.8	519.5	354.2	237.6	164.9	129.7	117.8	112.3	112.3
15°	931.5	850.8	651.2	431.3	250.3	148.7	109.5	100.0	99.2	99.2	99.2
17.5°	946.9	851.6	605.3	345.5	170.4	106.4	94.5	93.3	94.1	94.1	94.1
20°	962.7	852.0	555.9	266.1	120.2	92.5	89.0	88.6	89.4	89.4	89.7
22.5°	982.1	854.0	506.5	198.9	99.2	87.4	84.6	84.6	85.0	85.0	84.6
25°	1004.2	857.9	455.1	147.5	90.5	83.8	81.4	81.0	81.4	81.0	80.7
27.5°	1031.9	863.5	397.7	115.4	86.6	80.3	78.3	78.3	77.9	77.5	77.1
30°	1066.7	869.8	333.3	98.0	82.6	77.1	75.1	74.7	74.3	73.5	73.5
32.5°	1119.7	883.6	269.6	89.0	78.3	72.7	71.2	71.2	70.4	69.6	69.2
35°	1201.1	910.9	212.7	83.4	73.5	68.0	66.0	66.0	65.2	64.8	64.4
37.5°	1313.8	952.4	165.3	78.3	68.8	62.9	60.9	60.5	59.7	58.9	58.5
40°	1463.6	1003.8	130.1	73.5	64.0	57.7	56.1	55.4	53.8	52.6	52.6
42.5°	1651.8	1062.3	105.6	68.4	58.5	53.0	51.8	50.6	47.8	46.7	46.3
45°	1848.7	1114.9	89.4	62.5	53.0	48.2	47.4	45.5	41.9	40.7	40.7
47.5°	1990.6	1127.2	78.7	56.9	47.8	43.1	42.7	39.1	36.0	35.2	34.8
50°	2079.2	1103.0	70.0	51.4	43.1	38.3	37.2	32.8	30.8	30.0	29.7
52.5°	2138.9	1060.0	62.9	46.7	38.7	34.0	31.2	28.1	26.5	25.7	25.7
55°	2186.7	999.1	55.7	42.3	35.2	30.4	26.5	24.1	22.5	21.7	21.7
57.5°	2200.2	916.4	48.6	38.7	31.6	26.9	22.5	21.0	19.0	18.6	18.6
60°	2102.5	767.4	43.1	34.4	28.5	23.3	19.8	17.8	15.8	15.4	15.0
62.5°	1845.1	593.8	38.0	30.4	24.9	20.2	17.0	14.6	13.0	13.0	13.0
65°	1407.5	398.1	33.2	26.5	21.7	17.0	14.6	11.9	11.1	11.1	11.5
67.5°	842.5	216.7	28.5	22.5	18.6	14.2	12.3	10.3	9.9	10.3	10.3
69°	493.8	127.3	25.7	20.2	16.2	12.7	10.7	9.1	9.9	10.3	10.3
70°	304.8	85.8	23.7	18.2	14.6	11.5	9.9	8.7	9.5	9.9	9.9
72.5°	85.0	44.3	19.0	14.2	11.9	9.5	7.9	7.9	9.1	9.5	9.5
75°	55.4	32.8	14.6	10.7	9.1	7.5	6.7	7.5	8.7	9.1	9.1
77.5°	45.9	26.9	11.9	8.7	7.5	7.1	6.3	6.7	7.9	8.3	8.3
80°	41.9	19.0	9.5	7.9	6.7	6.3	5.9	5.5	7.1	7.5	7.5
82.5°	39.9	15.0	8.3	7.1	6.3	5.5	5.1	5.5	6.3	6.7	7.1
85°	24.9	9.9	7.5	6.7	5.5	5.1	5.1	5.1	5.9	6.3	6.3
87.5°	9.1	7.9	6.7	5.5	4.7	4.7	4.7	4.7	5.1	5.9	5.9
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)