

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: P200619

Luminaire Tested: **GAP-AF-01-LED-U-SL4-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200619
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: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL4-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE 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: 2774 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
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: 28.75 FT

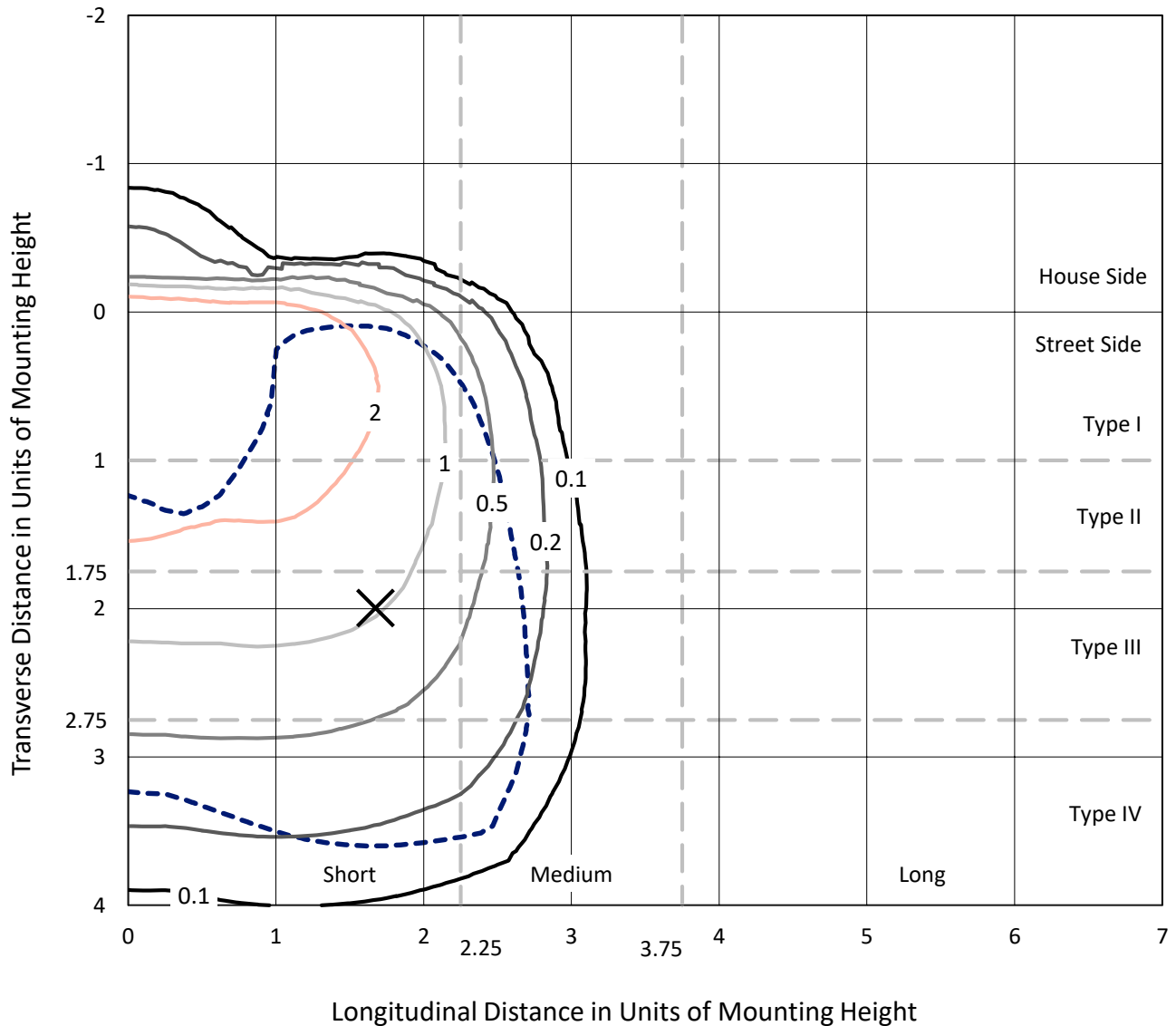


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

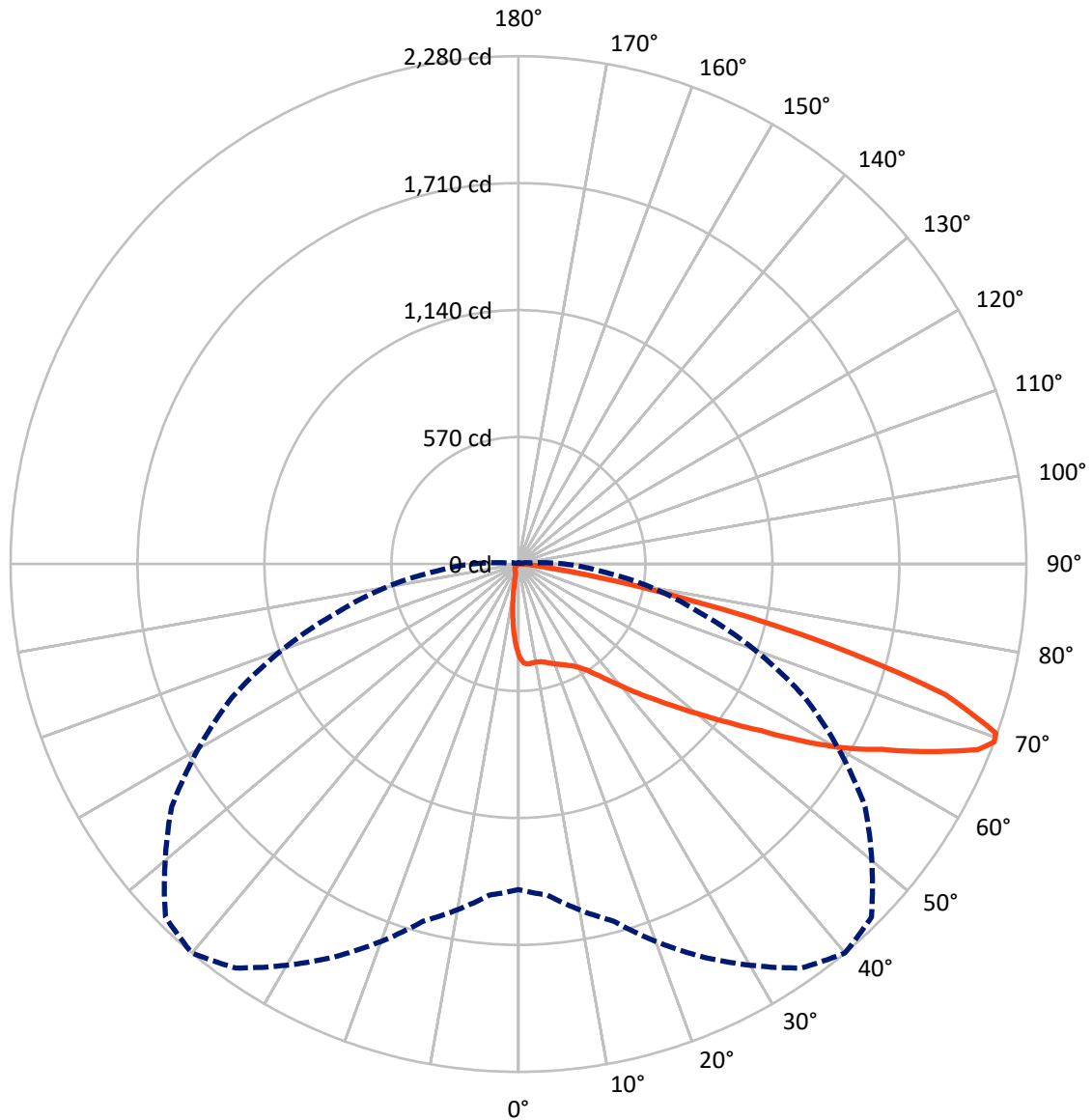


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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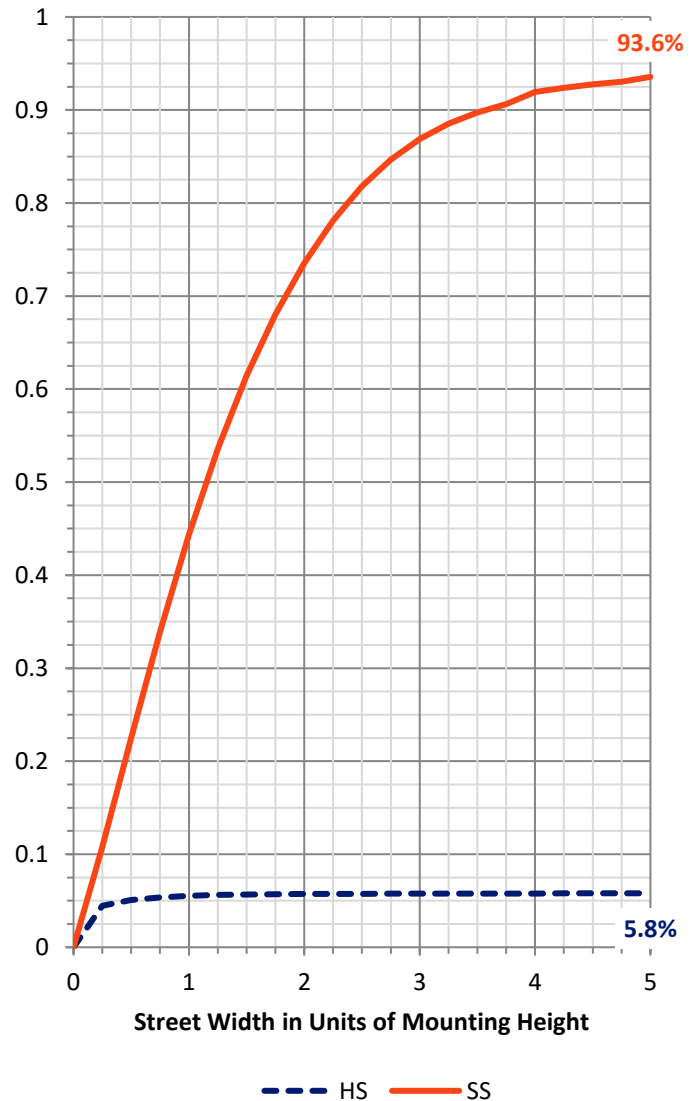
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	162.3	0.0	162.3
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	2611.7	0.0	2611.7
	% Fixture	94.1	0.0	94.1
Total	Lumens	2774.0	0.0	2774.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.2
10°-20°	82.6	3.0
20°-30°	139.2	5.0
30°-40°	227.9	8.2
40°-50°	394.5	14.2
50°-60°	621.4	22.4
60°-70°	811.6	29.3
70°-80°	418.0	15.1
80°-90°	45.2	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°	2774.0	100.0
0°-180°	2774.0	100.0



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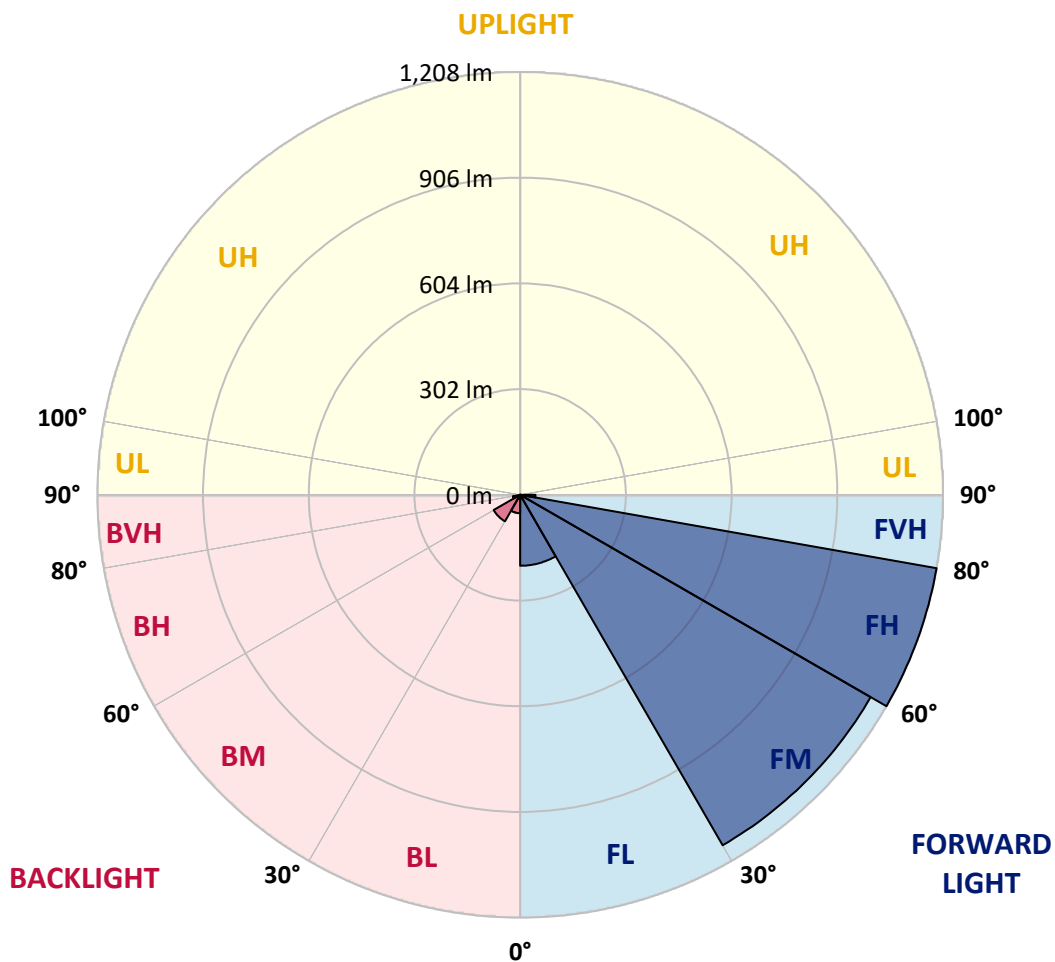
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.9	7.3			
FM	(30°-60°)	1156.6	41.7			
FH	(60°-80°)	1208.5	43.6			G1/1800
FVH	(80°-90°)	43.8	1.6			G1/100
BL	(0°-30°)	52.6	1.9	B0/110		
BM	(30°-60°)	87.2	3.1	B0/220		
BH	(60°-80°)	21.1	0.8	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4
2.5°	455.1	452.6	451.1	449.1	446.6	444.5	443.7	437.6	431.8	423.9	414.8
5°	463.5	462.7	460.0	457.4	454.4	451.1	449.3	442.0	433.8	422.2	406.4
7.5°	464.3	463.3	460.0	456.4	452.3	448.3	445.2	437.9	430.3	418.6	399.3
10°	463.0	461.8	459.4	455.4	450.3	446.5	443.3	436.4	430.0	419.4	397.9
12.5°	461.5	460.4	459.2	457.2	452.8	450.1	447.5	440.9	435.1	426.2	402.7
15°	463.0	462.3	463.7	462.8	460.4	458.0	455.4	449.5	444.2	436.7	411.5
17.5°	469.3	469.3	473.4	473.9	471.6	468.3	464.5	458.5	454.1	447.8	421.9
20°	484.0	483.5	488.8	489.7	484.1	479.0	473.4	466.1	462.7	458.7	432.1
22.5°	509.2	506.9	510.1	509.1	498.0	490.1	483.1	474.2	472.4	470.6	443.5
25°	542.1	540.8	542.9	533.2	513.7	503.0	494.7	484.6	484.6	486.4	456.4
27.5°	589.8	584.9	577.6	560.4	531.2	517.5	508.6	497.8	500.6	507.4	473.4
30°	638.7	633.2	616.6	590.1	552.5	538.1	527.7	516.5	523.1	535.5	496.2
32.5°	686.9	680.8	657.2	623.8	583.0	568.7	558.6	546.2	557.3	578.1	529.5
35°	733.6	728.2	700.9	661.6	623.7	611.8	602.5	591.8	606.0	635.0	576.6
37.5°	786.1	780.2	747.0	704.4	673.0	664.4	657.7	646.9	671.7	714.3	642.1
40°	850.7	840.6	795.9	753.4	730.2	726.0	721.4	719.9	758.4	817.3	729.5
42.5°	924.7	908.2	847.1	805.1	792.9	795.9	794.7	801.3	866.9	945.5	835.8
45°	998.6	977.3	904.0	860.3	861.9	872.3	878.8	905.2	1002.8	1092.4	950.3
47.5°	1061.4	1040.4	958.7	919.9	939.7	960.2	977.7	1027.7	1142.5	1237.1	1039.3
50°	1115.1	1095.2	1016.6	985.4	1030.0	1063.0	1091.4	1165.6	1292.7	1347.2	1101.7
52.5°	1159.0	1145.8	1076.7	1060.6	1133.2	1181.6	1223.2	1312.0	1425.8	1436.7	1150.2
55°	1201.7	1192.3	1141.3	1149.9	1254.4	1320.3	1373.0	1467.4	1540.4	1511.3	1196.8
57.5°	1250.9	1242.4	1214.9	1263.2	1413.8	1496.6	1554.1	1605.1	1641.3	1587.6	1240.7
60°	1301.1	1296.2	1296.8	1389.0	1596.7	1676.3	1708.0	1721.2	1740.4	1659.5	1243.2
62.5°	1349.0	1358.4	1390.5	1529.0	1771.9	1833.0	1849.0	1862.1	1839.6	1670.8	1148.6
65°	1430.1	1445.5	1521.9	1716.4	1964.6	2030.0	2046.5	2001.7	1855.3	1523.6	934.2
67.5°	1469.7	1497.8	1634.2	1891.1	2151.5	2224.2	2218.0	2010.8	1664.9	1161.8	599.5
69°	1461.5	1491.4	1660.1	1944.6	2213.6	2279.5	2240.7	1899.7	1418.4	841.6	368.1
70°	1428.8	1459.0	1646.7	1942.6	2221.5	2273.7	2198.7	1762.5	1199.3	615.4	230.2
72.5°	1193.2	1219.2	1462.0	1755.9	2046.5	2004.1	1839.4	1221.1	584.4	167.6	51.8
75°	734.5	749.0	1049.0	1322.8	1545.7	1436.7	1225.5	607.5	174.2	47.4	28.7
77.5°	388.0	394.6	574.3	779.7	979.8	810.7	628.1	236.9	80.2	29.7	20.8
80°	229.4	234.3	309.3	356.5	424.0	354.2	251.1	145.5	57.5	18.7	18.5
82.5°	131.3	134.4	224.2	198.1	167.1	142.7	125.0	137.9	34.5	12.5	19.2
85°	48.2	48.9	126.2	150.8	99.4	59.1	62.1	114.3	9.2	7.9	15.0
87.5°	22.5	22.0	64.9	92.3	58.1	37.5	48.4	25.1	3.6	5.1	4.1
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°	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4
2.5°	409.5	403.4	392.3	380.9	369.4	360.5	351.7	344.8	342.5	338.2	338.5
5°	396.9	385.7	362.6	339.2	314.7	294.6	275.6	260.2	252.8	245.2	245.2
7.5°	386.0	369.7	333.5	295.4	255.9	222.7	192.9	170.4	158.0	148.1	147.9
10°	381.9	359.8	309.3	254.6	199.6	154.4	118.9	96.1	84.4	76.8	76.5
12.5°	383.7	356.3	290.6	217.0	147.9	99.2	68.9	54.2	49.2	46.9	46.9
15°	389.0	355.3	272.0	180.1	104.5	62.1	45.7	41.8	41.4	41.4	41.4
17.5°	395.5	355.7	252.8	144.3	71.2	44.4	39.5	39.0	39.3	39.3	39.3
20°	402.1	355.8	232.2	111.1	50.2	38.6	37.2	37.0	37.3	37.3	37.5
22.5°	410.2	356.7	211.5	83.1	41.4	36.5	35.3	35.3	35.5	35.5	35.3
25°	419.4	358.3	190.1	61.6	37.8	35.0	34.0	33.8	34.0	33.8	33.7
27.5°	431.0	360.6	166.1	48.2	36.2	33.5	32.7	32.7	32.5	32.4	32.2
30°	445.5	363.3	139.2	40.9	34.5	32.2	31.4	31.2	31.0	30.7	30.7
32.5°	467.6	369.0	112.6	37.2	32.7	30.4	29.7	29.7	29.4	29.1	28.9
35°	501.6	380.4	88.8	34.8	30.7	28.4	27.6	27.6	27.2	27.1	26.9
37.5°	548.7	397.8	69.0	32.7	28.7	26.3	25.4	25.3	24.9	24.6	24.4
40°	611.3	419.2	54.3	30.7	26.7	24.1	23.4	23.1	22.5	22.0	22.0
42.5°	689.9	443.7	44.1	28.6	24.4	22.1	21.6	21.1	20.0	19.5	19.3
45°	772.1	465.6	37.3	26.1	22.1	20.1	19.8	19.0	17.5	17.0	17.0
47.5°	831.4	470.8	32.9	23.8	20.0	18.0	17.8	16.3	15.0	14.7	14.5
50°	868.4	460.7	29.2	21.5	18.0	16.0	15.5	13.7	12.9	12.5	12.4
52.5°	893.3	442.7	26.3	19.5	16.2	14.2	13.0	11.7	11.1	10.7	10.7
55°	913.3	417.3	23.3	17.7	14.7	12.7	11.1	10.1	9.4	9.1	9.1
57.5°	918.9	382.7	20.3	16.2	13.2	11.2	9.4	8.8	7.9	7.8	7.8
60°	878.1	320.5	18.0	14.4	11.9	9.7	8.3	7.4	6.6	6.4	6.3
62.5°	770.6	248.0	15.9	12.7	10.4	8.4	7.1	6.1	5.4	5.4	5.4
65°	587.8	166.3	13.9	11.1	9.1	7.1	6.1	5.0	4.6	4.6	4.8
67.5°	351.9	90.5	11.9	9.4	7.8	5.9	5.1	4.3	4.1	4.3	4.3
69°	206.2	53.2	10.7	8.4	6.8	5.3	4.5	3.8	4.1	4.3	4.3
70°	127.3	35.8	9.9	7.6	6.1	4.8	4.1	3.6	4.0	4.1	4.1
72.5°	35.5	18.5	7.9	5.9	5.0	4.0	3.3	3.3	3.8	4.0	4.0
75°	23.1	13.7	6.1	4.5	3.8	3.1	2.8	3.1	3.6	3.8	3.8
77.5°	19.2	11.2	5.0	3.6	3.1	3.0	2.6	2.8	3.3	3.5	3.5
80°	17.5	7.9	4.0	3.3	2.8	2.6	2.5	2.3	3.0	3.1	3.1
82.5°	16.7	6.3	3.5	3.0	2.6	2.3	2.1	2.3	2.6	2.8	3.0
85°	10.4	4.1	3.1	2.8	2.3	2.1	2.1	2.1	2.5	2.6	2.6
87.5°	3.8	3.3	2.8	2.3	2.0	2.0	2.0	2.0	2.1	2.5	2.5
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)