

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P588595

Luminaire Tested: **GAT-CA6-LED-120-750-U-33-5-6-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-372-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GAT-CA6-LED-120-750-U-33-5-6-X-GHSS
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD
Light Source: (3) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5246 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 0.92')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 59.8
Input Voltage (V): 120
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

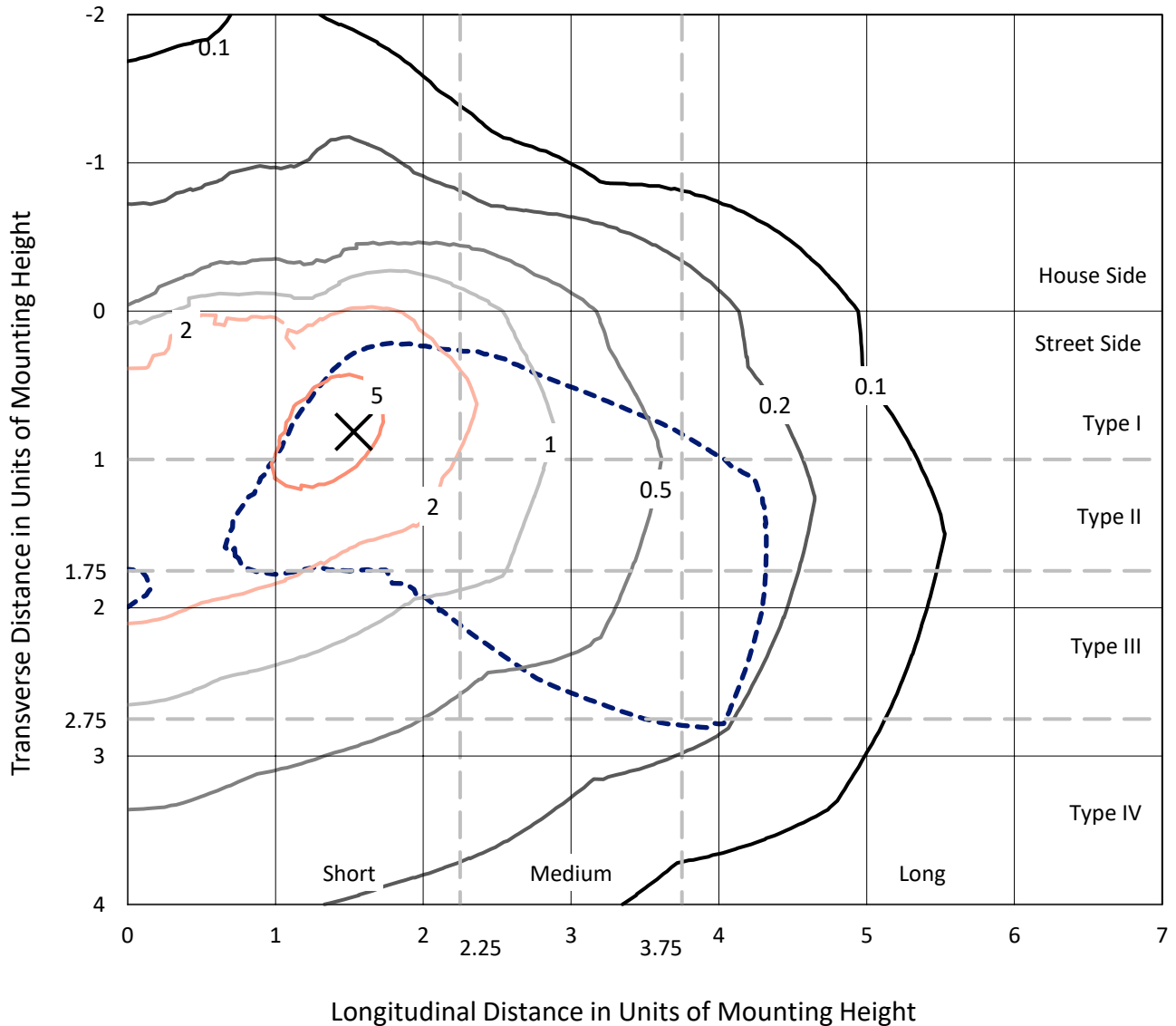


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Iso-Footcandle Lines of Horizontal Illumination

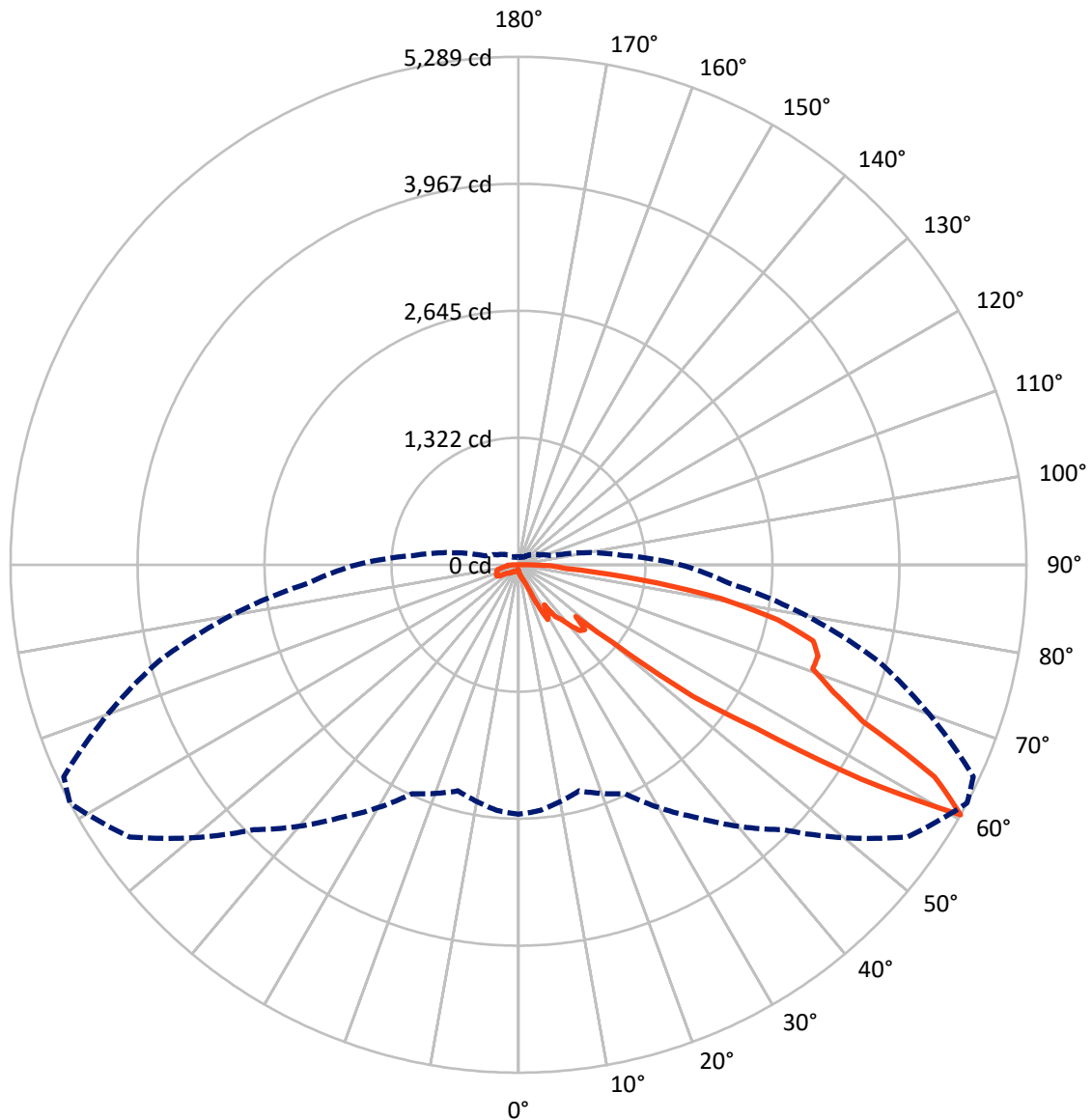
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 62-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



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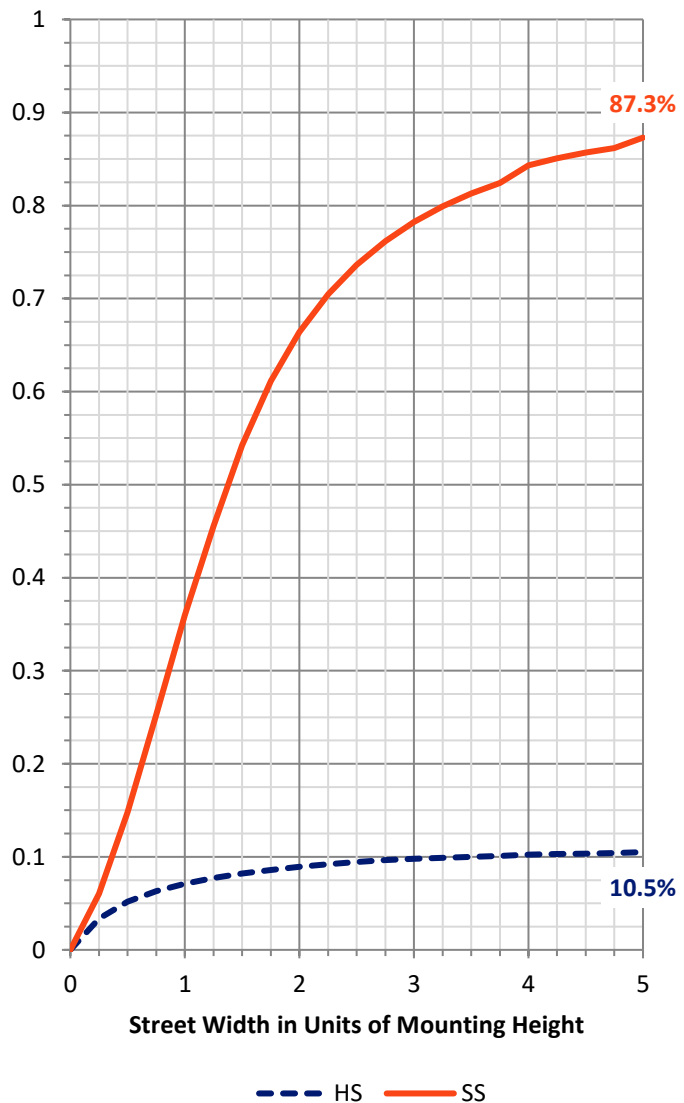
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	572.7	0.0	572.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4673.3	0.0	4673.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	5246.0	0.0	5246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	29.8	0.6
20°-30°	111.3	2.1
30°-40°	219.8	4.2
40°-50°	380.4	7.3
50°-60°	1126.4	21.5
60°-70°	1664.1	31.7
70°-80°	1334.7	25.4
80°-90°	372.4	7.1
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°	5246.0	100.0
0°-180°	5246.0	100.0

Coefficient of Utilization



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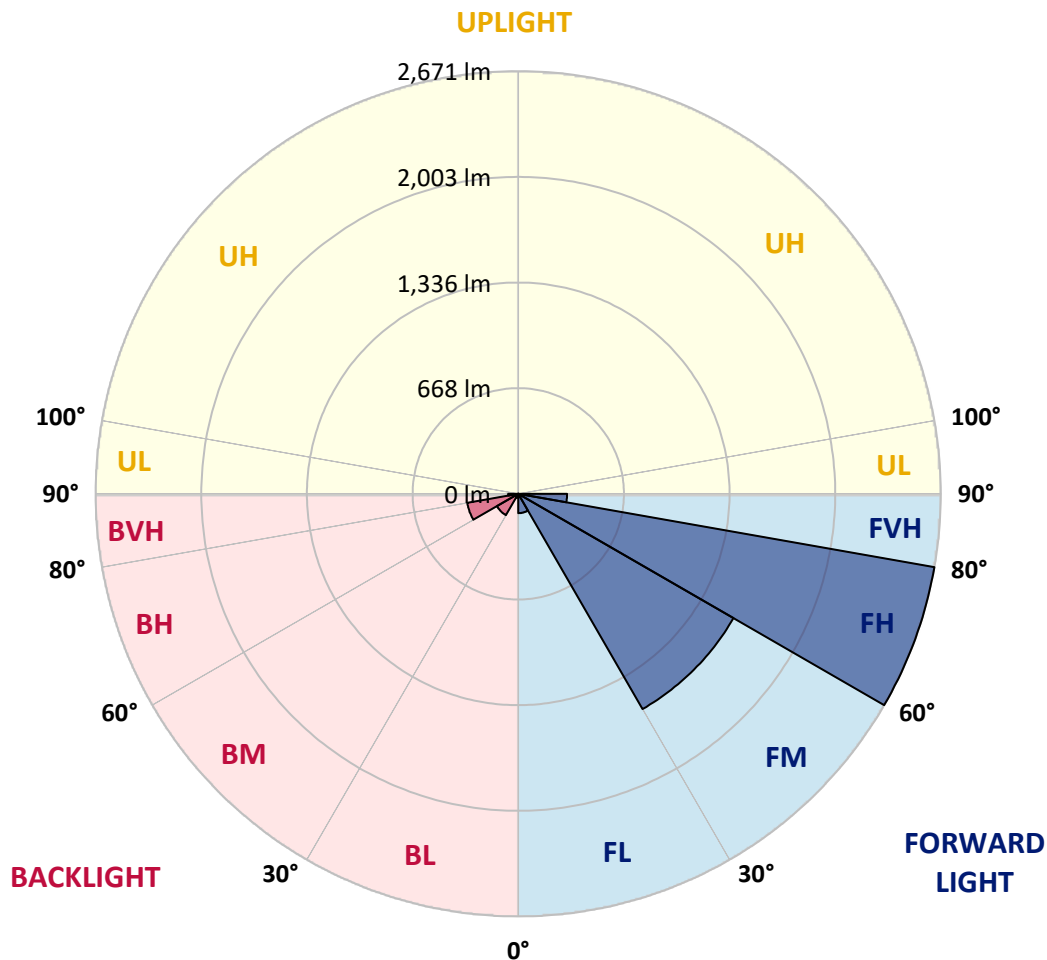
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.5	2.3			
FM	(30°-60°)	1571.0	29.9			
FH	(60°-80°)	2671.2	50.9			G2/5000
FVH	(80°-90°)	308.6	5.9			G3/500
BL	(0°-30°)	25.6	0.5	B0/110		
BM	(30°-60°)	155.7	3.0	B0/220		
BH	(60°-80°)	327.6	6.2	B1/500		G1/500
BVH	(80°-90°)	63.9	1.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62°	65°	75°	85°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	87.9	86.5	83.6	80.8	79.4	77.9	76.5	75.1	73.7	69.4	66.6
5°	107.7	106.3	103.5	99.2	95.0	92.1	90.7	89.3	86.5	82.2	75.1
7.5°	121.9	121.9	121.9	119.0	114.8	109.1	104.9	102.0	99.2	93.5	86.5
10°	138.9	137.5	137.5	133.2	129.0	124.7	121.9	119.0	116.2	107.7	96.4
12.5°	151.6	150.2	148.8	144.6	143.1	138.9	137.5	131.8	129.0	119.0	104.9
15°	165.8	164.4	161.6	160.1	155.9	153.1	154.5	153.1	150.2	137.5	116.2
17.5°	181.4	180.0	178.6	178.6	178.6	175.7	174.3	171.5	168.7	148.8	123.3
20°	212.6	208.3	204.1	201.2	206.9	208.3	208.3	205.5	205.5	171.5	141.7
22.5°	270.7	266.4	263.6	242.3	250.9	290.5	303.3	289.1	292.0	225.3	155.9
25°	425.2	411.0	403.9	406.7	430.8	474.8	481.9	464.9	473.4	350.1	249.4
27.5°	497.5	500.3	555.6	612.3	619.3	642.0	680.3	644.8	626.4	447.8	311.8
30°	507.4	513.0	615.1	660.4	643.4	632.1	717.1	613.7	582.5	423.8	343.0
32.5°	467.7	493.2	602.3	620.8	581.1	518.7	581.1	494.6	484.7	368.5	326.0
35°	542.8	555.6	605.2	534.3	521.5	598.1	758.2	664.7	642.0	454.9	313.2
37.5°	657.6	653.4	748.3	803.6	783.7	705.8	789.4	718.5	700.1	572.6	447.8
40°	803.6	793.7	908.5	934.0	915.5	911.3	1021.8	831.9	796.5	639.2	531.5
42.5°	844.7	847.5	921.2	983.6	969.4	968.0	1133.8	938.2	884.4	646.3	583.9
45°	863.1	878.7	1020.4	982.2	996.3	970.8	1118.2	966.6	921.2	718.5	687.4
47.5°	749.7	758.2	953.8	955.2	775.2	780.9	912.7	805.0	772.4	562.6	592.4
50°	968.0	966.6	1037.4	980.7	898.5	1040.3	1306.7	1265.6	1241.5	844.7	657.6
52.5°	1400.2	1384.7	1492.4	1581.6	1564.6	1892.0	2288.9	2271.8	2185.4	1656.8	1038.8
55°	1842.4	1835.3	1954.4	2269.0	2420.7	2728.2	3113.7	3006.0	2973.4	2440.5	1632.7
57.5°	2206.7	2208.1	2246.3	2517.0	2826.0	3421.2	4088.8	4214.9	4148.3	3150.5	1984.1
60°	2599.2	2568.1	2437.7	2630.4	3208.6	3900.3	4941.9	5289.2	5225.4	3876.2	2196.7
62.5°	2626.2	2595.0	2372.5	2568.1	3010.2	3646.6	4582.0	4864.0	4937.7	4073.2	2260.5
65°	2507.1	2468.8	2193.9	2339.9	2519.9	2905.4	4051.9	3939.9	4046.2	4012.2	2259.1
67.5°	2375.3	2344.1	2086.2	2208.1	2347.0	2604.9	3813.8	3534.6	3643.7	3774.1	2365.4
70°	2242.1	2198.1	1989.8	2121.6	2293.1	2467.4	3511.9	3249.7	3221.4	3197.3	2259.1
72.5°	2219.4	2185.4	1964.3	2056.4	2250.6	2379.6	3462.3	3261.1	3232.7	3083.9	2066.3
75°	2046.5	2043.7	1831.1	1917.5	2151.4	2232.2	3324.9	3170.4	3110.9	2919.5	1818.3
77.5°	1652.5	1631.3	1476.8	1567.5	1778.6	1890.6	2861.4	2760.8	2726.8	2548.2	1503.7
80°	1111.1	1092.7	1026.1	1078.5	1275.5	1373.3	2147.1	2138.6	2113.1	1995.5	1111.1
82.5°	632.1	663.3	600.9	625.0	693.0	813.5	1335.0	1276.9	1258.5	1174.9	630.7
85°	355.7	348.6	324.5	321.7	375.6	369.9	576.8	494.6	514.5	445.0	300.5
87.5°	256.5	262.2	236.7	236.7	262.2	259.4	362.8	341.6	338.7	317.5	215.4
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°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	65.2	63.8	59.5	55.3	48.2	41.1	36.8	39.7	41.1	42.5	42.5
5°	70.9	68.0	59.5	51.0	42.5	35.4	29.8	26.9	26.9	28.3	28.3
7.5°	83.6	79.4	68.0	58.1	46.8	39.7	32.6	28.3	25.5	25.5	25.5
10°	90.7	86.5	73.7	62.4	51.0	42.5	35.4	29.8	26.9	25.5	25.5
12.5°	97.8	92.1	79.4	66.6	53.9	43.9	36.8	31.2	29.8	29.8	29.8
15°	106.3	97.8	82.2	68.0	55.3	45.4	36.8	32.6	31.2	31.2	31.2
17.5°	114.8	106.3	87.9	69.4	56.7	45.4	38.3	32.6	31.2	32.6	32.6
20°	129.0	113.4	87.9	70.9	56.7	45.4	38.3	32.6	32.6	32.6	32.6
22.5°	136.1	123.3	93.5	72.3	58.1	46.8	38.3	32.6	32.6	32.6	32.6
25°	209.8	155.9	97.8	75.1	59.5	48.2	38.3	34.0	32.6	34.0	34.0
27.5°	263.6	219.7	112.0	79.4	60.9	49.6	39.7	34.0	34.0	35.4	35.4
30°	293.4	250.9	121.9	86.5	65.2	51.0	41.1	35.4	35.4	35.4	35.4
32.5°	279.2	226.8	123.3	95.0	72.3	53.9	42.5	36.8	36.8	36.8	36.8
35°	242.3	187.1	120.5	96.4	76.5	59.5	45.4	38.3	38.3	36.8	36.8
37.5°	338.7	235.3	124.7	96.4	79.4	63.8	49.6	41.1	39.7	38.3	38.3
40°	401.1	262.2	137.5	103.5	79.4	65.2	52.4	45.4	42.5	41.1	39.7
42.5°	445.0	287.7	147.4	113.4	87.9	68.0	53.9	49.6	45.4	42.5	42.5
45°	508.8	304.7	160.1	124.7	96.4	75.1	58.1	51.0	49.6	46.8	45.4
47.5°	464.9	310.4	172.9	137.5	106.3	82.2	63.8	55.3	53.9	51.0	49.6
50°	477.6	301.9	177.2	146.0	116.2	87.9	69.4	60.9	58.1	55.3	55.3
52.5°	651.9	399.7	194.2	150.2	120.5	96.4	75.1	66.6	63.8	60.9	60.9
55°	1064.4	612.3	239.5	165.8	124.7	99.2	80.8	73.7	69.4	66.6	65.2
57.5°	1390.3	864.5	303.3	202.7	148.8	104.9	83.6	80.8	77.9	72.3	70.9
60°	1686.5	1095.5	357.1	243.8	187.1	136.1	96.4	89.3	87.9	79.4	76.5
62.5°	1927.5	1286.9	401.1	266.4	214.0	175.7	131.8	110.5	99.2	89.3	86.5
65°	2015.3	1350.6	418.1	270.7	221.1	195.6	165.8	150.2	117.6	102.0	99.2
67.5°	2049.3	1336.5	426.6	262.2	215.4	195.6	174.3	175.7	143.1	113.4	109.1
70°	1982.7	1281.2	422.3	253.7	206.9	189.9	170.1	164.4	148.8	121.9	116.2
72.5°	1832.5	1230.2	420.9	252.3	204.1	182.8	157.3	140.3	127.6	120.5	117.6
75°	1682.3	1196.2	415.3	250.9	199.8	172.9	143.1	121.9	104.9	106.3	109.1
77.5°	1428.6	1055.8	384.1	232.4	180.0	150.2	123.3	107.7	95.0	93.5	93.5
80°	1079.9	783.7	314.6	194.2	147.4	121.9	102.0	96.4	89.3	86.5	85.0
82.5°	598.1	412.4	202.7	144.6	116.2	95.0	86.5	86.5	82.2	77.9	77.9
85°	273.5	231.0	150.2	120.5	99.2	82.2	75.1	75.1	70.9	66.6	65.2
87.5°	212.6	182.8	127.6	112.0	96.4	80.8	72.3	72.3	68.0	65.2	65.2
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)