

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: P588593

Luminaire Tested: **GAT-CA6-LED-120-740-U-33-5-6-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588593
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-120-740-U-33-5-6-X-GHSS
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD
Light Source: (3) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5152 lumens
Efficiency: N/A
Efficacy: 86.2 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

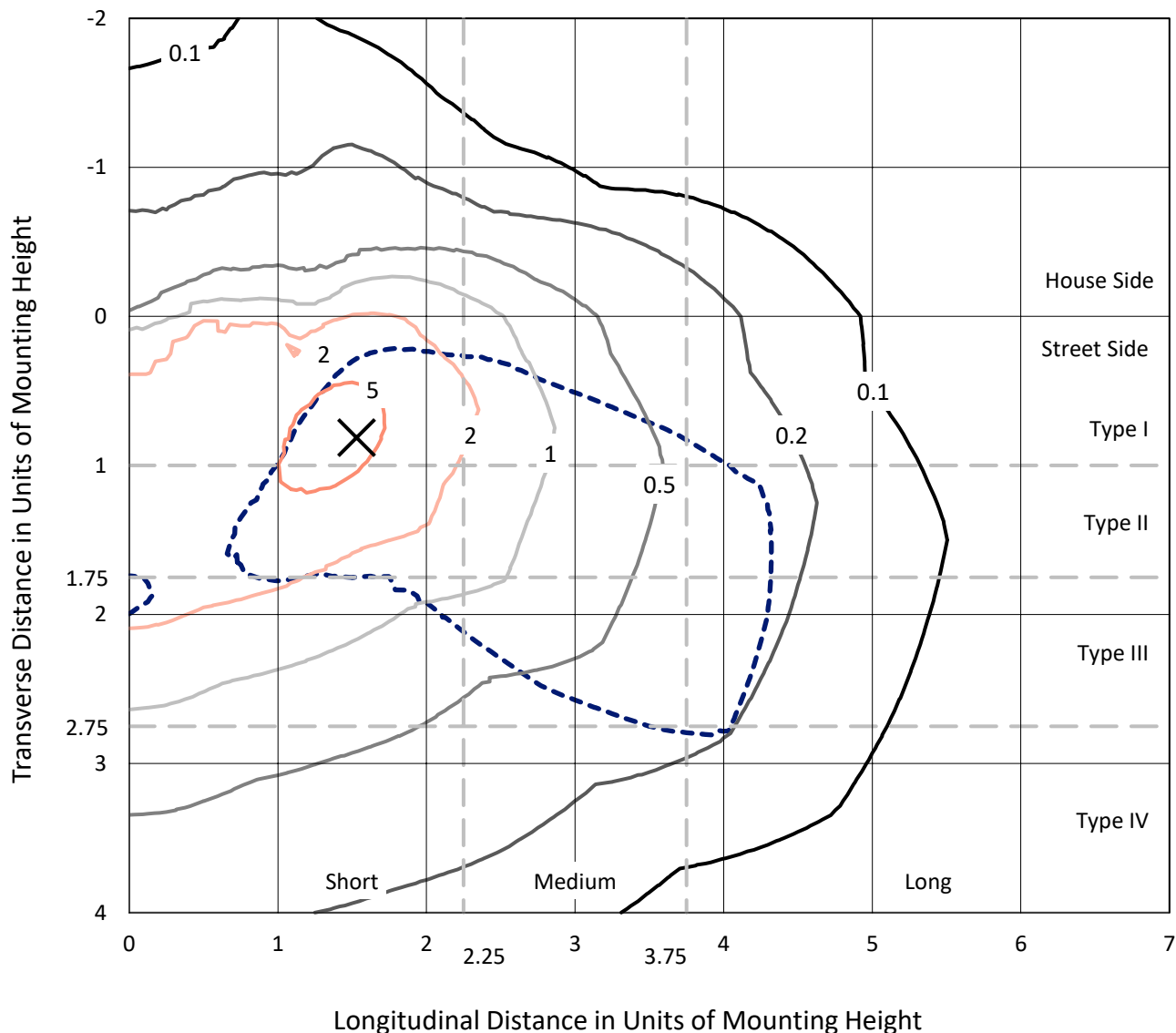
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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 = 6.5 fc
 Type III - Short - Non-Cutoff

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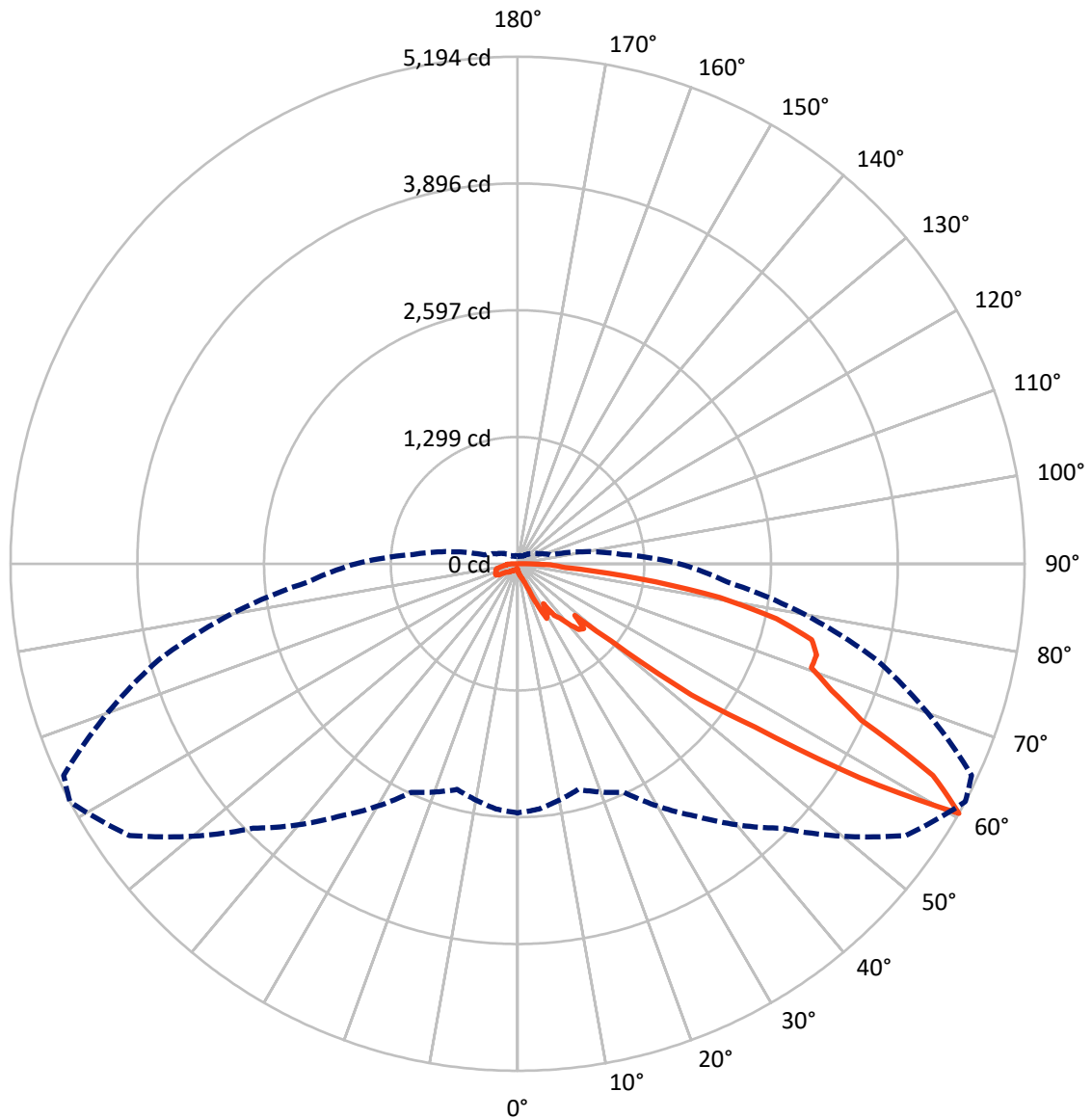
Scaled Data Report



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Luminous Intensity Polar Plot



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

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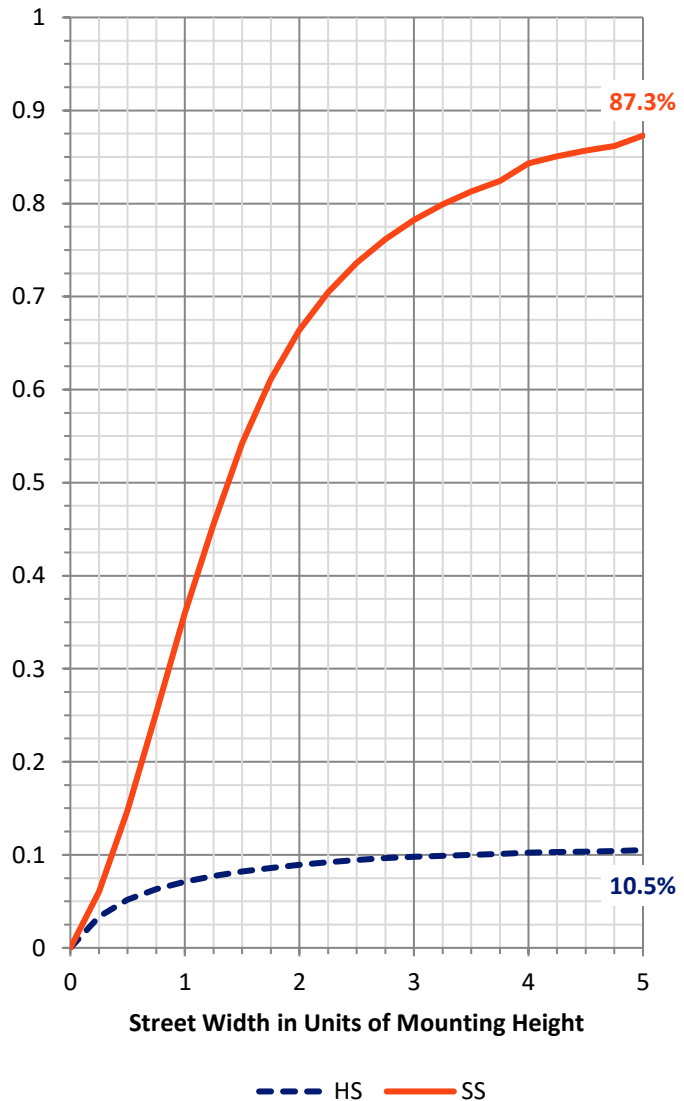
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	562.4	0.0	562.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4589.6	0.0	4589.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	5152.0	0.0	5152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	29.3	0.6
20°-30°	109.3	2.1
30°-40°	215.9	4.2
40°-50°	373.6	7.3
50°-60°	1106.2	21.5
60°-70°	1634.3	31.7
70°-80°	1310.8	25.4
80°-90°	365.8	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°	5152.0	100.0
0°-180°	5152.0	100.0

Coefficient of Utilization



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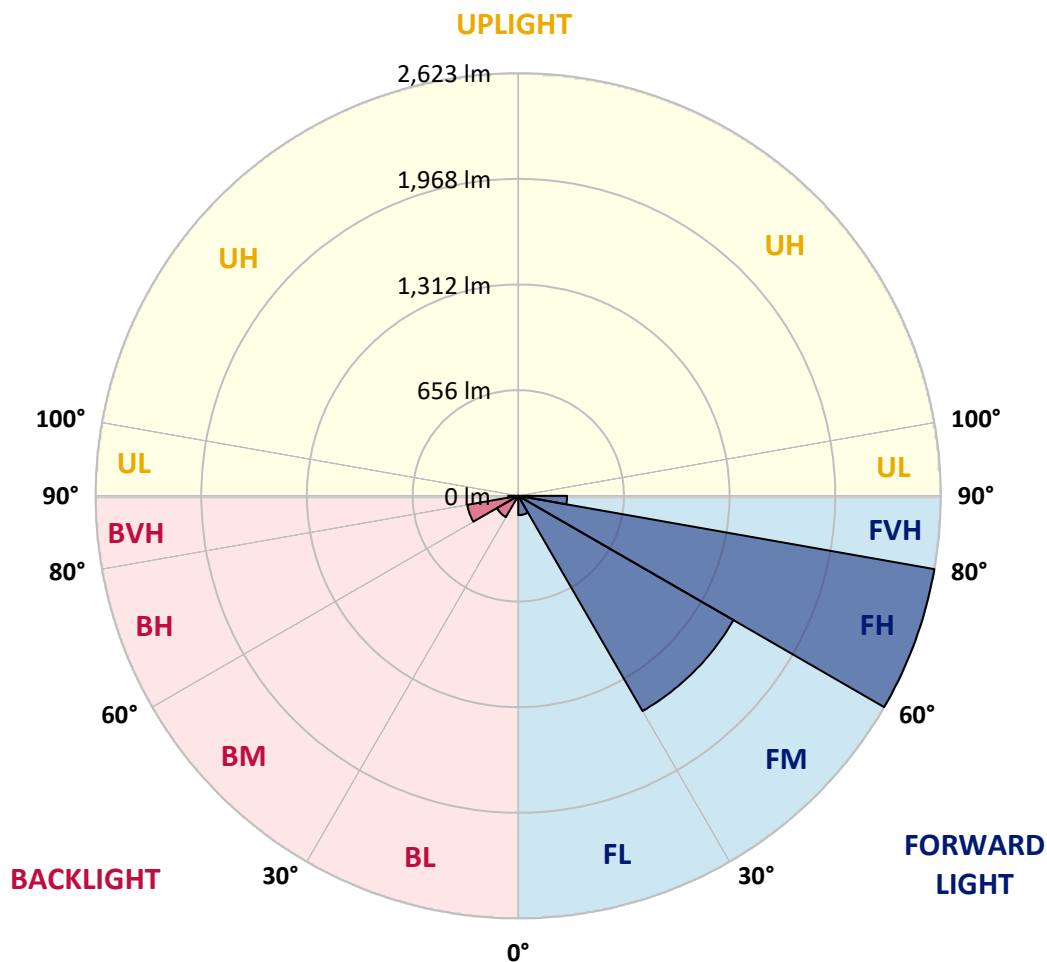
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.3	2.3			
FM (30°-60°)	1542.8	29.9			
FH (60°-80°)	2623.4	50.9			G2/5000
FVH (80°-90°)	303.1	5.9			G3/500
BL (0°-30°)	25.1	0.5	B0/110		
BM (30°-60°)	152.9	3.0	B0/220		
BH (60°-80°)	321.7	6.2	B1/500		G1/500
BVH (80°-90°)	62.7	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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	86.3	84.9	82.1	79.3	77.9	76.6	75.2	73.8	72.4	68.2	65.4
5°	105.8	104.4	101.6	97.4	93.3	90.5	89.1	87.7	84.9	80.7	73.8
7.5°	119.7	119.7	119.7	116.9	112.7	107.2	103.0	100.2	97.4	91.9	84.9
10°	136.4	135.0	135.0	130.8	126.7	122.5	119.7	116.9	114.1	105.8	94.6
12.5°	148.9	147.5	146.1	142.0	140.6	136.4	135.0	129.4	126.7	116.9	103.0
15°	162.8	161.5	158.7	157.3	153.1	150.3	151.7	150.3	147.5	135.0	114.1
17.5°	178.2	176.8	175.4	175.4	175.4	172.6	171.2	168.4	165.6	146.1	121.1
20°	208.8	204.6	200.4	197.6	203.2	204.6	204.6	201.8	201.8	168.4	139.2
22.5°	265.8	261.7	258.9	238.0	246.4	285.3	297.9	283.9	286.7	221.3	153.1
25°	417.6	403.6	396.7	399.5	423.1	466.3	473.2	456.5	464.9	343.8	245.0
27.5°	488.5	491.3	545.6	601.3	608.2	630.5	668.1	633.3	615.2	439.8	306.2
30°	498.3	503.9	604.1	648.6	631.9	620.8	704.3	602.7	572.1	416.2	336.8
32.5°	459.3	484.4	591.5	609.6	570.7	509.4	570.7	485.8	476.0	361.9	320.1
35°	533.1	545.6	594.3	524.7	512.2	587.4	744.6	652.8	630.5	446.8	307.6
37.5°	645.8	641.6	734.9	789.2	769.7	693.1	775.3	705.7	687.6	562.3	439.8
40°	789.2	779.4	892.2	917.2	899.1	895.0	1003.5	817.0	782.2	627.7	521.9
42.5°	829.5	832.3	904.7	965.9	952.0	950.6	1113.5	921.4	868.5	634.7	573.4
45°	847.6	862.9	1002.1	964.6	978.5	953.4	1098.2	949.2	904.7	705.7	675.0
47.5°	736.3	744.6	936.7	938.1	761.3	766.9	896.4	790.6	758.6	552.6	581.8
50°	950.6	949.2	1018.8	963.2	882.4	1021.6	1283.3	1242.9	1219.3	829.5	645.8
52.5°	1375.1	1359.8	1465.6	1553.3	1536.6	1858.1	2247.8	2231.1	2146.2	1627.1	1020.2
55°	1809.4	1802.4	1919.4	2228.4	2377.3	2679.3	3057.9	2952.1	2920.1	2396.8	1603.4
57.5°	2167.1	2168.5	2206.1	2471.9	2775.4	3359.9	4015.5	4139.4	4074.0	3094.1	1948.6
60°	2552.7	2522.0	2394.0	2583.3	3151.2	3830.4	4853.4	5194.4	5131.8	3806.7	2157.4
62.5°	2579.1	2548.5	2330.0	2522.0	2956.3	3581.2	4499.9	4776.8	4849.2	4000.2	2220.0
65°	2462.2	2424.6	2154.6	2297.9	2474.7	2853.3	3979.3	3869.3	3973.7	3940.3	2218.6
67.5°	2332.7	2302.1	2048.8	2168.5	2304.9	2558.2	3745.5	3471.3	3578.5	3706.5	2323.0
70°	2201.9	2158.8	1954.2	2083.6	2252.0	2423.2	3449.0	3191.5	3163.7	3140.0	2218.6
72.5°	2179.6	2146.2	1929.1	2019.6	2210.3	2336.9	3400.3	3202.7	3174.8	3028.7	2029.3
75°	2009.8	2007.1	1798.3	1883.2	2112.8	2192.2	3265.3	3113.6	3055.1	2867.2	1785.7
77.5°	1622.9	1602.0	1450.3	1539.4	1746.8	1856.7	2810.1	2711.3	2677.9	2502.5	1476.8
80°	1091.2	1073.1	1007.7	1059.2	1252.7	1348.7	2108.7	2100.3	2075.3	1959.7	1091.2
82.5°	620.8	651.4	590.1	613.8	680.6	798.9	1311.1	1254.1	1236.0	1153.8	619.4
85°	349.4	342.4	318.7	316.0	368.8	363.3	566.5	485.8	505.2	437.0	295.1
87.5°	251.9	257.5	232.4	232.4	257.5	254.7	356.3	335.4	332.7	311.8	211.6
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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	64.0	62.6	58.5	54.3	47.3	40.4	36.2	39.0	40.4	41.8	41.8
5°	69.6	66.8	58.5	50.1	41.8	34.8	29.2	26.4	26.4	27.8	27.8
7.5°	82.1	77.9	66.8	57.1	45.9	39.0	32.0	27.8	25.1	25.1	25.1
10°	89.1	84.9	72.4	61.2	50.1	41.8	34.8	29.2	26.4	25.1	25.1
12.5°	96.0	90.5	77.9	65.4	52.9	43.1	36.2	30.6	29.2	29.2	29.2
15°	104.4	96.0	80.7	66.8	54.3	44.5	36.2	32.0	30.6	30.6	30.6
17.5°	112.7	104.4	86.3	68.2	55.7	44.5	37.6	32.0	30.6	32.0	32.0
20°	126.7	111.3	86.3	69.6	55.7	44.5	37.6	32.0	32.0	32.0	32.0
22.5°	133.6	121.1	91.9	71.0	57.1	45.9	37.6	32.0	32.0	32.0	32.0
25°	206.0	153.1	96.0	73.8	58.5	47.3	37.6	33.4	32.0	33.4	33.4
27.5°	258.9	215.7	110.0	77.9	59.8	48.7	39.0	33.4	33.4	34.8	34.8
30°	288.1	246.4	119.7	84.9	64.0	50.1	40.4	34.8	34.8	34.8	34.8
32.5°	274.2	222.7	121.1	93.3	71.0	52.9	41.8	36.2	36.2	36.2	36.2
35°	238.0	183.7	118.3	94.6	75.2	58.5	44.5	37.6	37.6	36.2	36.2
37.5°	332.7	231.0	122.5	94.6	77.9	62.6	48.7	40.4	39.0	37.6	37.6
40°	393.9	257.5	135.0	101.6	77.9	64.0	51.5	44.5	41.8	40.4	39.0
42.5°	437.0	282.5	144.8	111.3	86.3	66.8	52.9	48.7	44.5	41.8	41.8
45°	499.7	299.2	157.3	122.5	94.6	73.8	57.1	50.1	48.7	45.9	44.5
47.5°	456.5	304.8	169.8	135.0	104.4	80.7	62.6	54.3	52.9	50.1	48.7
50°	469.1	296.5	174.0	143.4	114.1	86.3	68.2	59.8	57.1	54.3	54.3
52.5°	640.3	392.5	190.7	147.5	118.3	94.6	73.8	65.4	62.6	59.8	59.8
55°	1045.3	601.3	235.2	162.8	122.5	97.4	79.3	72.4	68.2	65.4	64.0
57.5°	1365.4	849.0	297.9	199.0	146.1	103.0	82.1	79.3	76.6	71.0	69.6
60°	1656.3	1075.9	350.7	239.4	183.7	133.6	94.6	87.7	86.3	77.9	75.2
62.5°	1892.9	1263.8	393.9	261.7	210.2	172.6	129.4	108.6	97.4	87.7	84.9
65°	1979.2	1326.4	410.6	265.8	217.1	192.1	162.8	147.5	115.5	100.2	97.4
67.5°	2012.6	1312.5	418.9	257.5	211.6	192.1	171.2	172.6	140.6	111.3	107.2
70°	1947.2	1258.2	414.8	249.1	203.2	186.5	167.0	161.5	146.1	119.7	114.1
72.5°	1799.7	1208.1	413.4	247.7	200.4	179.5	154.5	137.8	125.3	118.3	115.5
75°	1652.1	1174.7	407.8	246.4	196.3	169.8	140.6	119.7	103.0	104.4	107.2
77.5°	1403.0	1036.9	377.2	228.3	176.8	147.5	121.1	105.8	93.3	91.9	91.9
80°	1060.6	769.7	309.0	190.7	144.8	119.7	100.2	94.6	87.7	84.9	83.5
82.5°	587.4	405.0	199.0	142.0	114.1	93.3	84.9	84.9	80.7	76.6	76.6
85°	268.6	226.9	147.5	118.3	97.4	80.7	73.8	73.8	69.6	65.4	64.0
87.5°	208.8	179.5	125.3	110.0	94.6	79.3	71.0	71.0	66.8	64.0	64.0
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)