

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: P200564

Luminaire Tested: **GAP-AF-02-LED-U-AFL-8030-600-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24297)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAP-AF-02-LED-U-AFL-8030-600-HSS  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5467 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

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: 28.75 FT

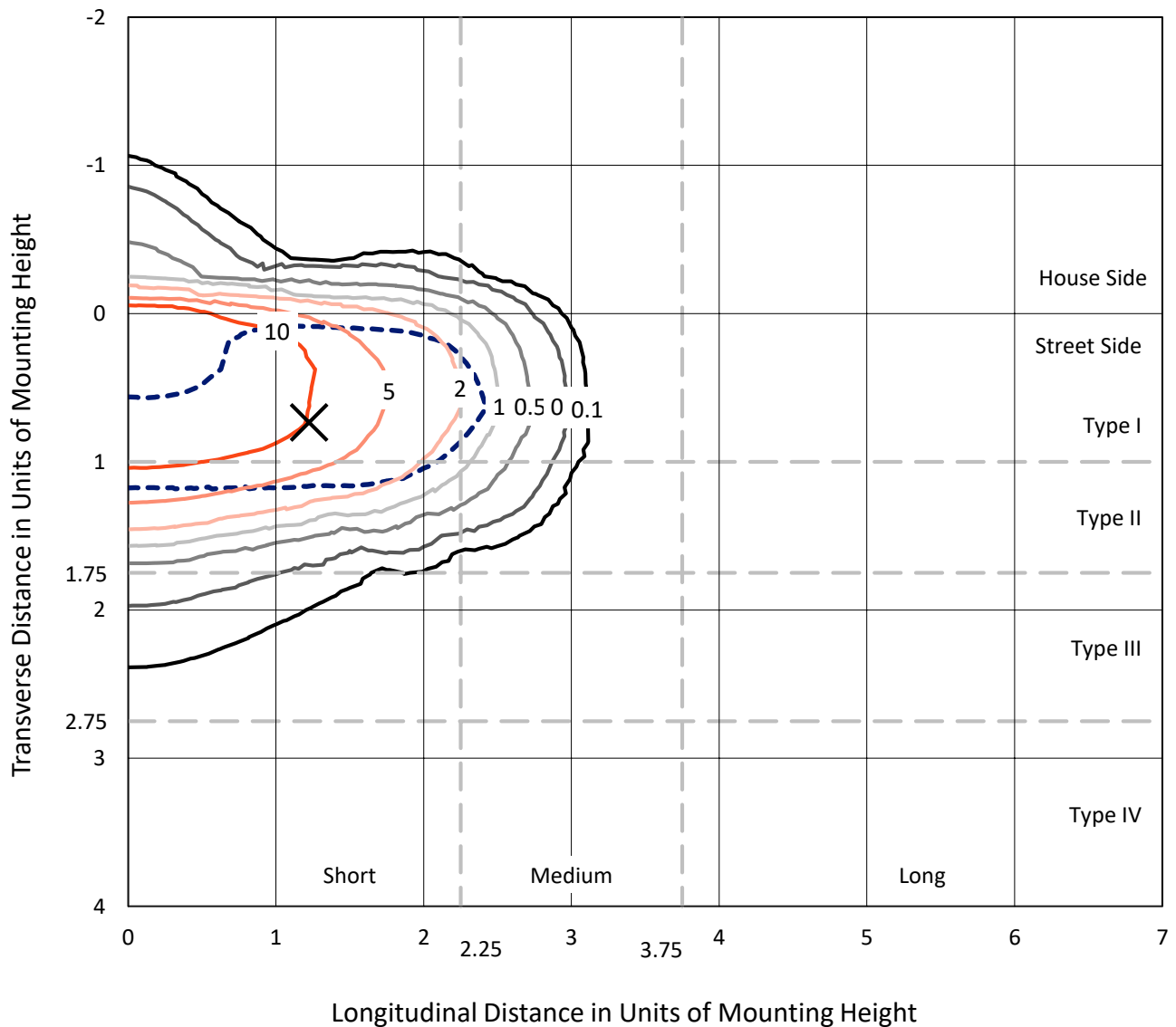


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

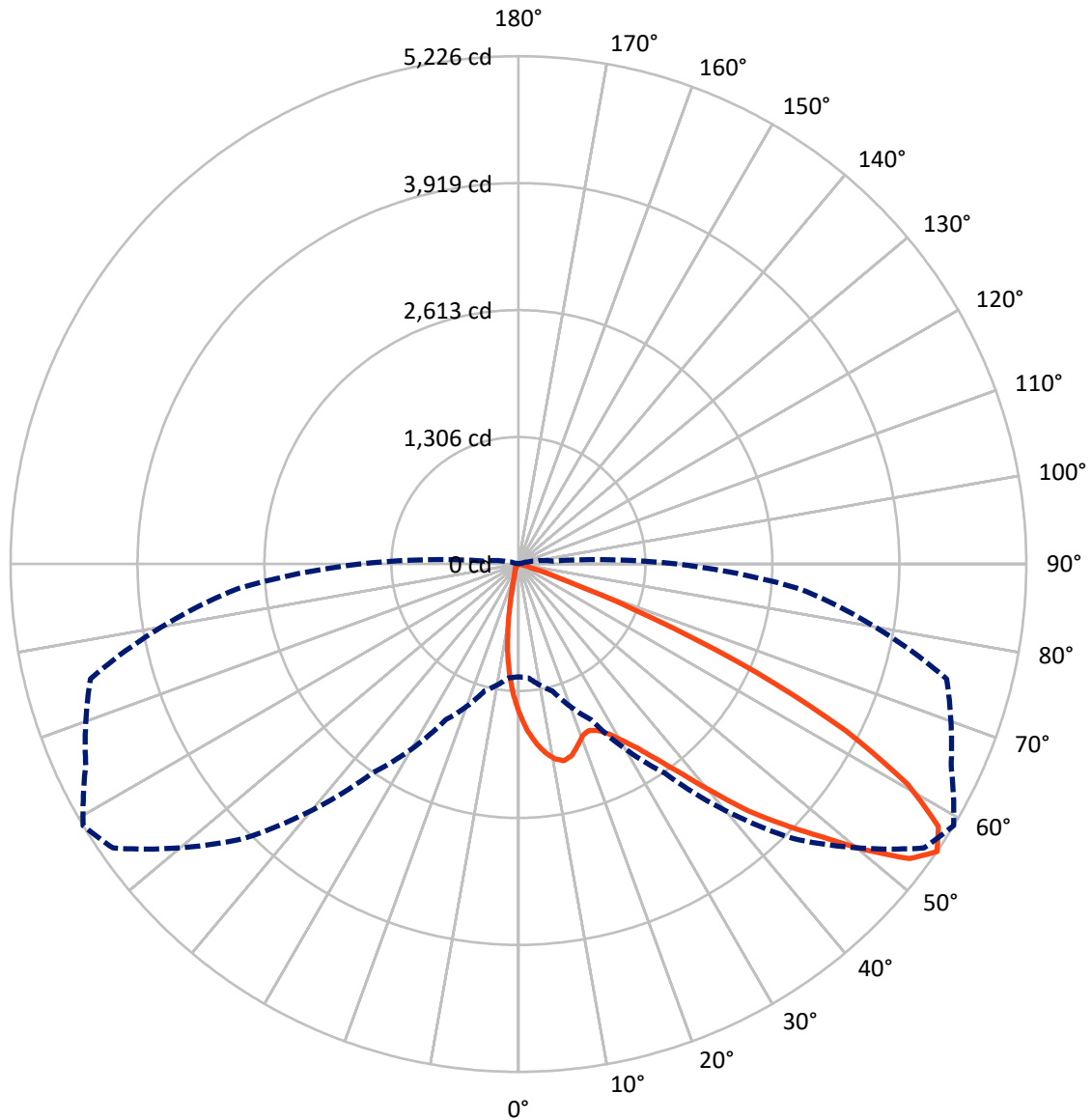


Based on 10 foot mounting height. Maximum calculated value = 19.1 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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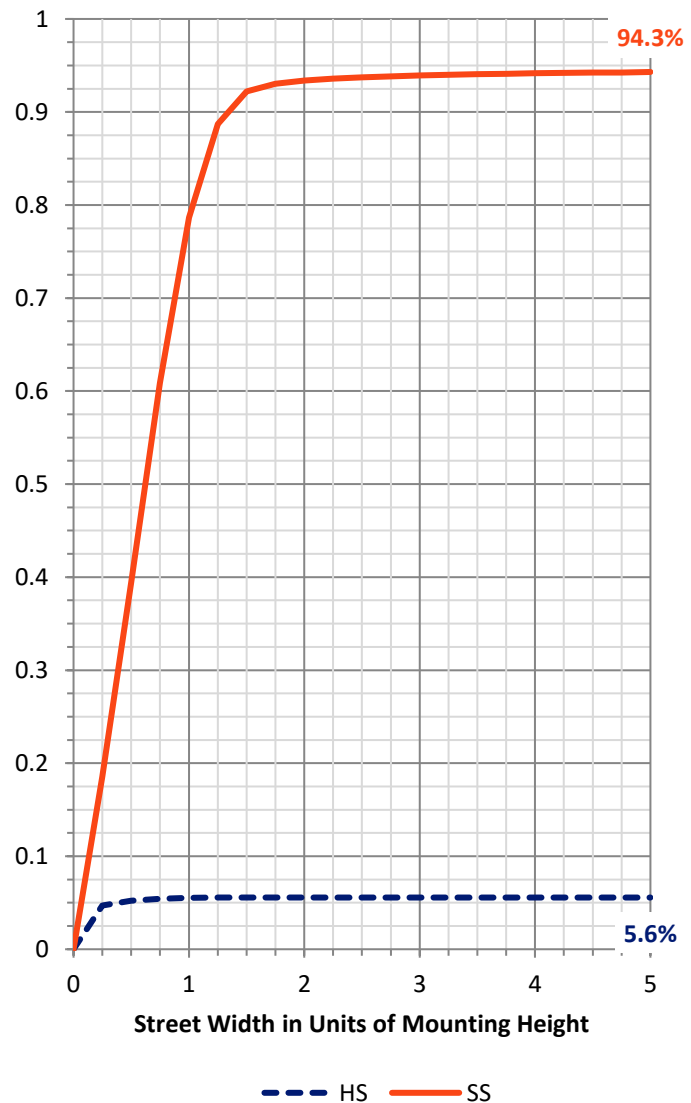
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	305.4	0.0	305.4
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	5161.6	0.0	5161.6
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	5467.0	0.0	5467.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	2.4
10°-20°	308.6	5.6
20°-30°	525.2	9.6
30°-40°	903.2	16.5
40°-50°	1394.4	25.5
50°-60°	1401.8	25.6
60°-70°	718.9	13.1
70°-80°	77.9	1.4
80°-90°	8.1	0.1
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°	5467.0	100.0
0°-180°	5467.0	100.0

**Coefficient of Utilization**



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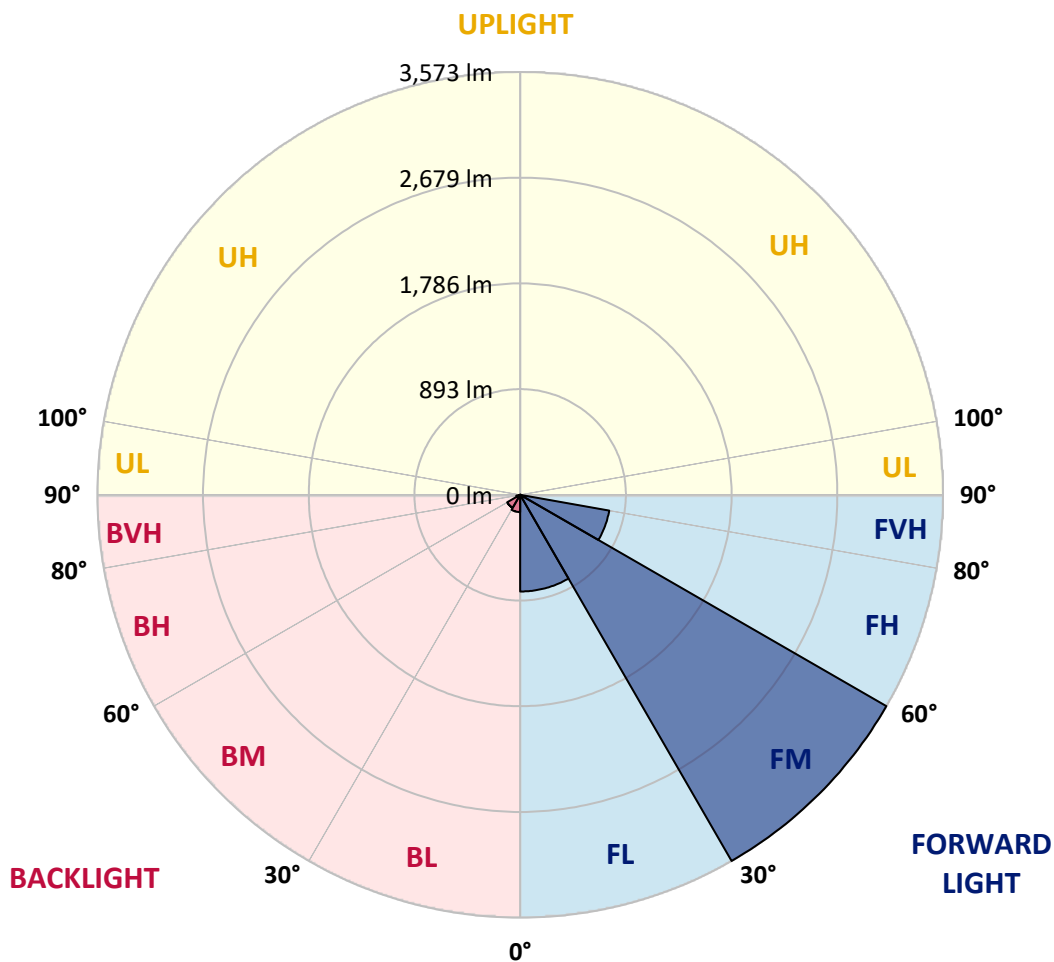
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.0	14.9			
FM (30°-60°)	3572.7	65.3			
FH (60°-80°)	764.1	14.0			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	145.7	2.7	B1/500		
BM (30°-60°)	126.7	2.3	B0/220		
BH (60°-80°)	32.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9
2.5°	1820.9	1801.6	1795.8	1791.9	1774.1	1751.9	1721.5	1707.4	1678.3	1631.5	1574.1
5°	1987.7	1984.2	1971.3	1964.2	1945.1	1913.5	1865.1	1841.9	1795.8	1717.0	1614.1
7.5°	1914.8	1937.1	1954.8	1984.5	2021.9	2020.6	1980.0	1955.8	1904.2	1800.3	1658.6
10°	1633.1	1651.2	1680.3	1747.7	1885.1	2006.4	2054.2	2036.8	1995.5	1876.7	1701.5
12.5°	1578.0	1576.0	1581.2	1600.9	1672.8	1845.8	2041.6	2076.8	2068.4	1946.7	1742.2
15°	1607.3	1605.1	1604.4	1611.2	1628.6	1701.5	1947.1	2048.0	2112.9	2011.6	1776.7
17.5°	1689.6	1679.9	1674.8	1669.3	1664.1	1682.2	1833.5	1967.7	2119.7	2068.4	1805.4
20°	1830.6	1814.5	1795.4	1764.5	1735.4	1726.4	1785.8	1885.1	2095.5	2111.6	1824.1
22.5°	2007.7	1987.1	1954.2	1897.7	1838.7	1804.5	1809.3	1859.0	2059.3	2158.7	1832.9
25°	2206.8	2180.3	2136.4	2058.1	1971.3	1910.6	1879.0	1896.4	2042.9	2213.9	1842.9
27.5°	2420.0	2390.7	2333.3	2226.5	2128.1	2046.1	1981.6	1979.3	2071.0	2286.1	1859.0
30°	2631.4	2626.8	2552.0	2439.1	2308.7	2209.0	2116.1	2104.2	2149.4	2386.2	1890.9
32.5°	2913.3	2879.5	2787.8	2671.7	2521.3	2401.7	2291.6	2263.9	2269.7	2502.6	1940.3
35°	3268.9	3231.8	3102.7	2942.4	2774.3	2633.0	2511.3	2473.6	2459.4	2693.3	2023.5
37.5°	3498.6	3497.9	3417.0	3253.7	3073.4	2917.5	2785.3	2741.1	2712.3	2923.7	2152.6
40°	3504.7	3519.9	3530.5	3528.9	3400.5	3256.9	3139.5	3085.0	3018.2	3231.5	2319.4
42.5°	3316.6	3355.7	3449.6	3608.9	3685.1	3628.0	3528.9	3475.4	3376.0	3560.9	2522.6
45°	3062.4	3089.5	3253.7	3547.3	3839.3	3995.8	3920.3	3824.4	3693.5	3904.5	2704.9
47.5°	2948.5	2953.3	3059.5	3381.8	3850.9	4297.1	4342.9	4187.1	3981.9	4181.3	2847.5
50°	2608.1	2616.8	2763.3	3095.0	3714.8	4439.4	4767.5	4619.7	4296.5	4394.5	2899.5
52.5°	1965.8	1978.0	2163.9	2623.6	3340.5	4378.7	5071.4	5035.6	4641.0	4498.7	2902.4
55°	1159.9	1176.0	1353.4	1766.1	2627.5	3992.9	5094.0	5225.6	4913.0	4560.4	2897.9
57.5°	541.7	553.0	654.6	909.8	1634.1	3155.6	4753.9	5095.3	5063.0	4592.9	2929.8
60°	287.8	291.0	315.5	393.9	738.5	2000.9	4090.3	4601.0	4926.2	4638.1	2968.8
62.5°	220.0	221.0	219.7	229.1	310.4	888.2	3091.8	3782.5	4375.5	4604.2	2925.6
65°	190.7	192.3	183.3	181.0	199.1	316.8	1836.7	2696.2	3438.3	4147.1	2631.0
67.5°	171.0	171.6	160.7	151.3	154.5	171.3	724.6	1476.0	2275.8	3039.8	1907.1
70°	157.4	156.8	144.9	130.0	125.8	117.1	230.4	541.0	1087.6	1541.5	886.9
72.5°	139.4	139.7	133.9	114.5	104.5	81.9	106.8	157.8	324.6	420.1	207.8
75°	123.6	122.0	114.9	102.6	86.1	53.9	52.9	70.3	100.0	99.4	44.8
77.5°	89.4	87.8	90.0	84.2	66.1	34.8	26.5	33.9	40.7	39.4	12.6
80°	65.5	64.5	58.1	70.0	58.4	23.9	16.5	18.1	21.0	17.7	3.9
82.5°	44.8	44.5	41.0	38.7	33.2	14.5	10.3	11.3	13.6	10.0	1.9
85°	7.1	8.1	29.7	23.6	19.7	6.5	7.1	7.7	9.0	5.5	0.6
87.5°	0.0	0.0	13.9	12.3	3.9	2.6	4.2	4.5	4.5	2.9	0.0
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°	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9	1538.9
2.5°	1544.7	1512.5	1452.8	1391.2	1334.1	1266.0	1219.2	1184.0	1143.4	1132.4	1156.3
5°	1555.4	1494.4	1366.0	1226.3	1095.0	949.5	838.2	750.1	670.4	643.3	667.8
7.5°	1572.2	1481.5	1272.1	1042.1	813.7	586.5	431.0	328.8	263.6	244.2	254.6
10°	1588.9	1462.8	1163.4	824.0	511.7	285.5	185.8	148.4	134.5	131.6	133.2
12.5°	1602.8	1437.6	1030.8	585.9	273.6	152.9	121.6	115.5	113.6	113.6	114.2
15°	1611.2	1399.6	873.7	372.6	157.4	115.5	106.1	104.2	104.2	104.5	105.2
17.5°	1610.2	1351.2	701.7	225.5	117.8	102.3	96.8	95.2	94.9	95.5	95.8
20°	1598.3	1287.9	529.1	148.7	102.6	93.2	87.8	84.9	84.5	85.2	85.8
22.5°	1575.7	1209.9	378.4	114.5	92.6	84.5	77.8	75.2	75.2	75.8	76.5
25°	1548.3	1114.4	258.7	97.1	83.6	75.2	68.7	66.5	67.1	68.7	69.0
27.5°	1514.1	1006.9	175.8	83.2	72.6	65.8	61.0	59.4	61.0	63.2	63.9
30°	1484.7	895.0	125.5	71.9	61.6	56.8	53.9	53.9	56.1	60.3	61.3
32.5°	1462.2	786.6	96.8	63.6	53.6	49.4	47.7	49.4	52.9	57.1	58.1
35°	1459.3	697.2	81.9	56.8	47.7	43.6	42.9	45.8	49.4	52.6	53.2
37.5°	1481.5	614.6	73.9	51.3	42.6	38.7	38.1	41.6	45.2	49.0	50.0
40°	1523.8	549.8	68.1	46.1	38.4	34.2	32.9	35.5	40.3	45.5	46.8
42.5°	1578.6	496.2	61.6	41.0	34.2	28.4	26.8	29.7	34.8	40.3	41.9
45°	1630.9	450.1	54.5	35.2	28.7	21.9	21.3	25.2	27.7	33.2	34.5
47.5°	1659.6	409.4	48.4	28.7	22.3	17.7	17.7	18.7	21.3	27.7	29.0
50°	1649.9	376.8	41.9	21.3	15.5	13.6	13.6	13.2	17.1	22.3	23.2
52.5°	1630.6	358.1	36.1	16.5	10.6	9.7	8.7	9.7	11.9	14.2	14.5
55°	1627.7	354.9	30.3	13.2	7.4	6.5	4.8	4.8	4.8	4.5	3.9
57.5°	1650.2	360.1	25.5	10.6	5.5	4.2	2.6	0.0	0.0	0.0	0.0
60°	1673.5	365.5	21.9	7.4	3.9	2.3	0.3	0.0	0.0	0.0	0.0
62.5°	1634.8	353.3	18.4	4.5	2.9	1.0	0.0	0.0	0.0	0.0	0.0
65°	1436.0	300.7	14.5	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1021.4	201.3	9.7	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	466.2	84.2	6.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	99.7	26.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	20.3	19.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.5	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.9	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)