

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: P156961

Luminaire Tested: **UTLD-E03-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156961
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-5WQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8697.6 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): 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

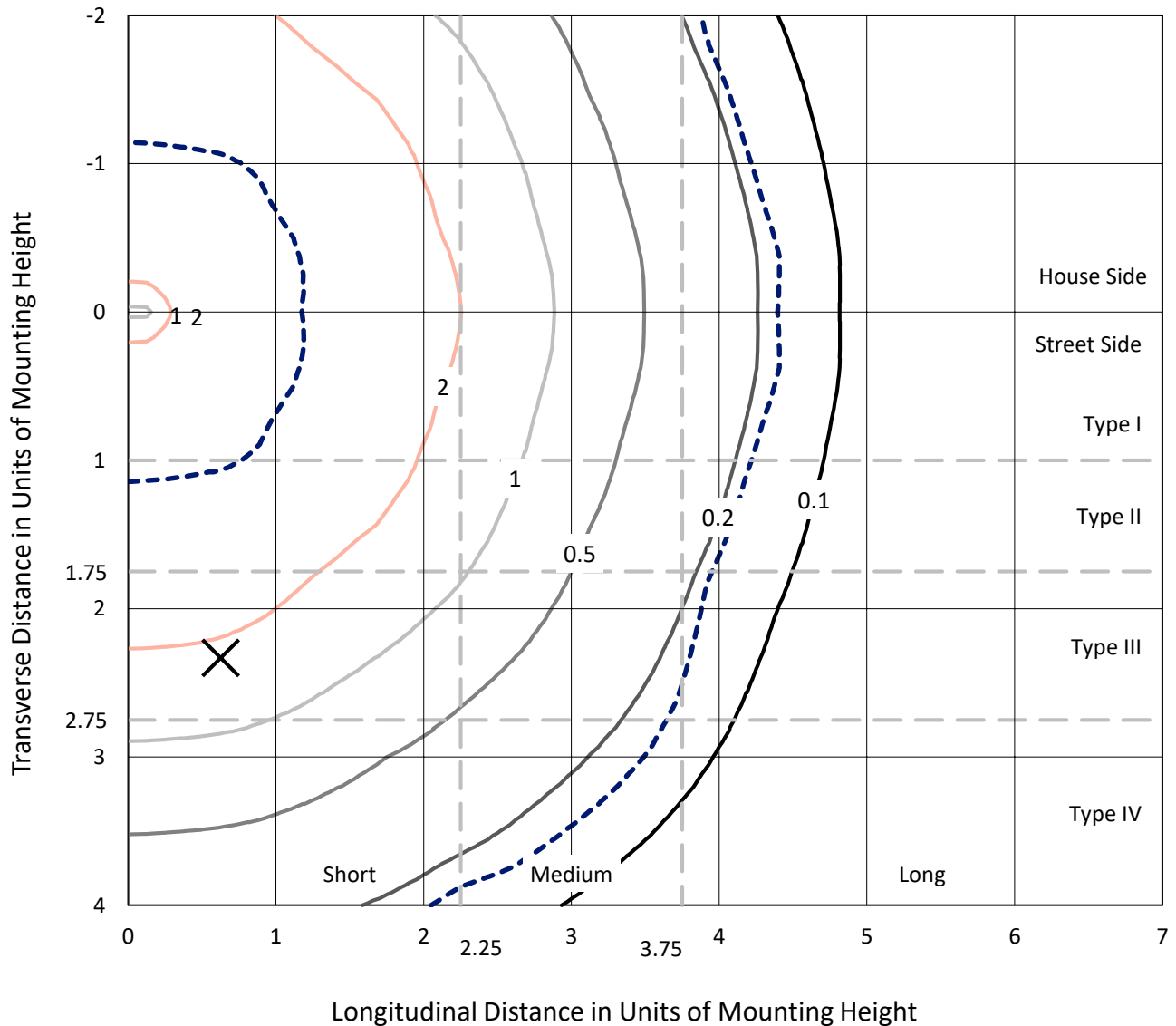


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

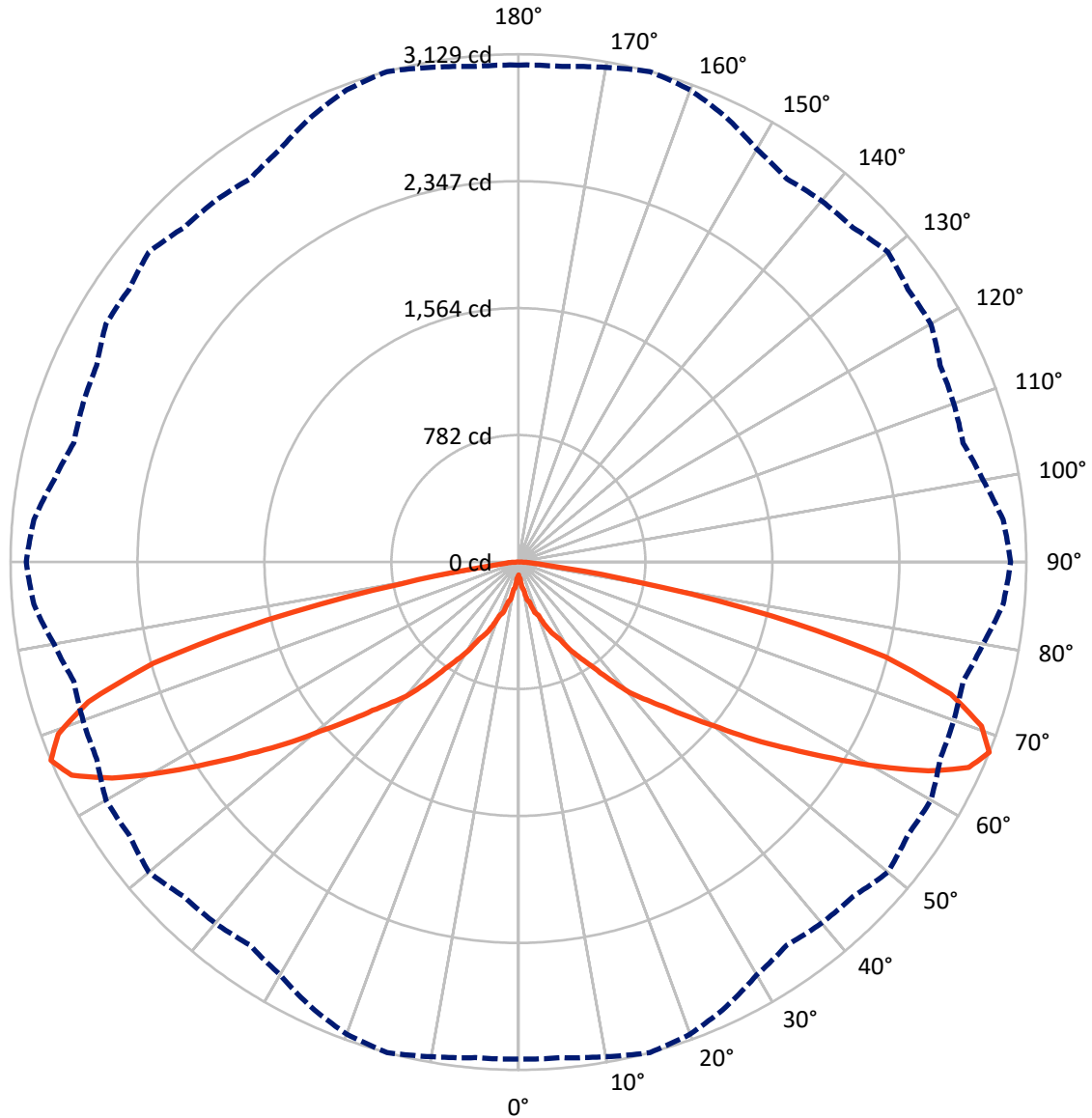


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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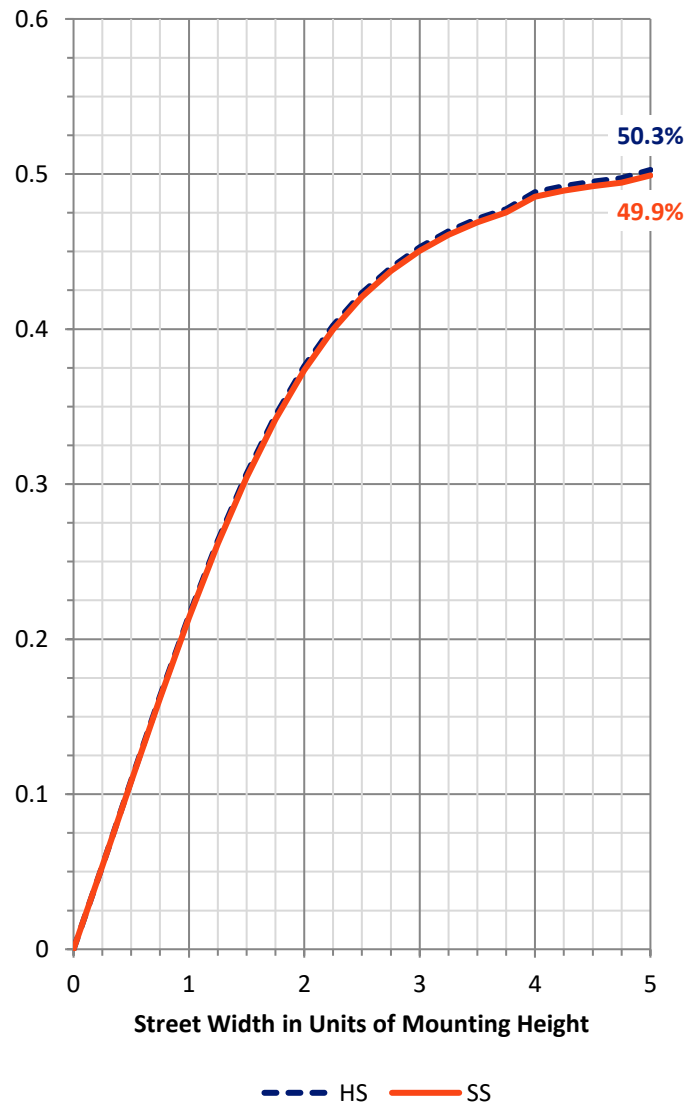
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4348.8	0.0	4348.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4348.8	0.0	4348.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8697.6	0.0	8697.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.1
10°-20°	71.9	0.8
20°-30°	238.0	2.7
30°-40°	514.7	5.9
40°-50°	963.1	11.1
50°-60°	1747.1	20.1
60°-70°	2763.6	31.8
70°-80°	2173.0	25.0
80°-90°	214.7	2.5
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°	8697.6	100.0
0°-180°	8697.6	100.0



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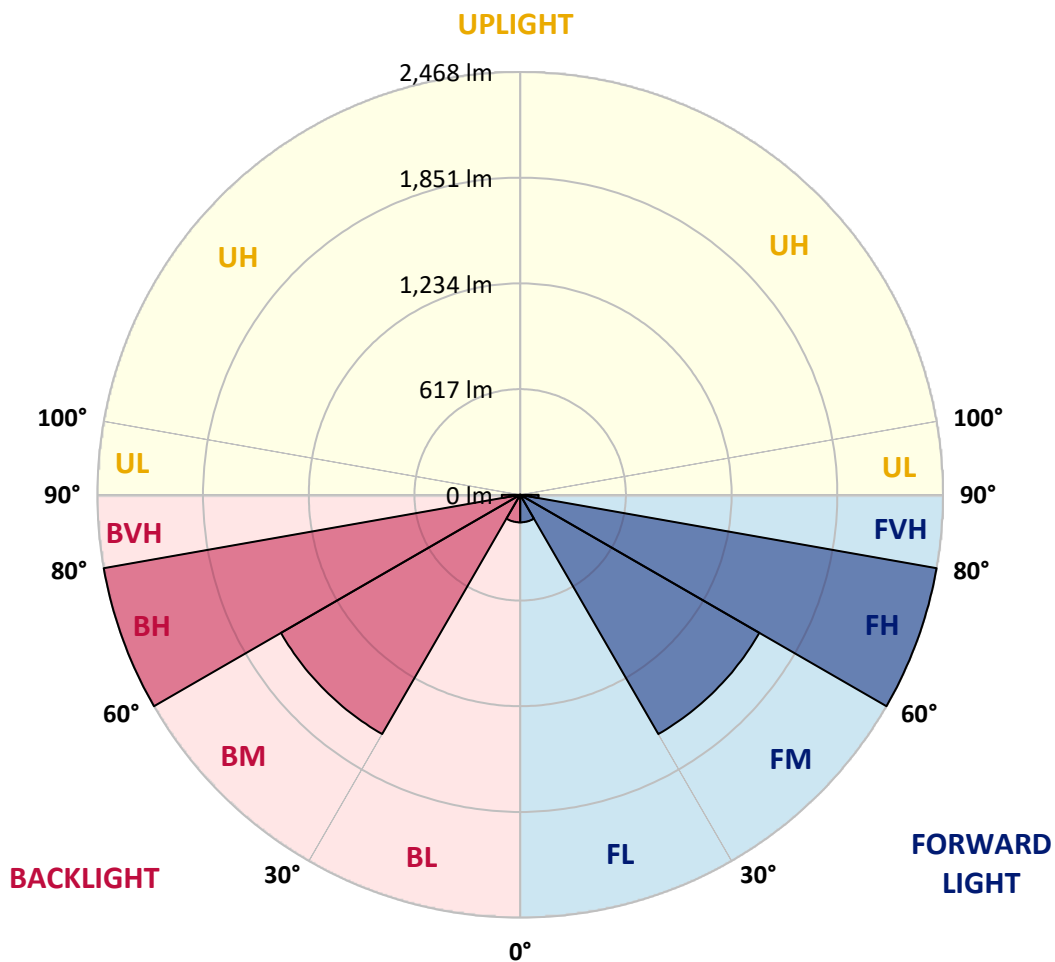
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.8	1.8			
FM	(30°-60°)	1612.4	18.5			
FH	(60°-80°)	2468.3	28.4			G2/5000
FVH	(80°-90°)	107.4	1.2			G2/225
BL	(0°-30°)	160.8	1.8	B1/500		
BM	(30°-60°)	1612.4	18.5	B2/2500		
BH	(60°-80°)	2468.3	28.4	B3/2500		G2/5000
BVH	(80°-90°)	107.4	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	125.4	125.1	125.1	125.1	126.6	122.8	117.0	112.8	110.0	109.6	107.0
5°	99.3	98.9	98.9	99.3	98.9	100.0	99.7	102.4	102.0	108.9	118.2
7.5°	159.3	160.1	159.7	157.8	153.9	142.8	134.3	127.4	107.0	104.3	101.2
10°	172.4	172.4	172.4	169.7	170.1	170.0	168.5	165.5	163.2	158.2	134.7
12.5°	238.6	239.4	239.7	238.2	233.2	210.1	203.6	181.2	176.6	206.6	213.2
15°	257.8	259.0	258.2	254.0	252.4	249.7	245.5	264.0	269.7	246.3	228.9
17.5°	330.2	331.3	329.8	327.1	320.5	300.5	306.7	300.9	297.4	292.4	309.4
20°	380.2	382.5	365.2	349.8	340.2	355.5	374.0	366.3	346.0	348.2	358.2
22.5°	434.0	434.0	432.5	424.4	424.4	444.8	411.0	404.0	429.0	399.4	388.2
25°	524.0	521.8	517.2	486.0	476.0	473.7	467.2	481.4	461.8	501.0	524.1
27.5°	557.2	554.8	543.3	533.7	558.7	550.6	541.0	504.4	580.6	543.3	555.6
30°	643.4	643.3	633.4	626.8	632.6	596.0	583.7	626.8	614.5	619.5	674.9
32.5°	755.7	756.5	743.4	706.8	673.4	680.0	674.2	677.2	696.4	691.5	723.8
35°	879.6	848.4	827.3	799.6	780.8	772.3	761.1	736.9	765.0	758.8	792.3
37.5°	952.0	955.0	937.7	921.6	909.2	855.4	832.3	841.9	843.1	827.3	885.4
40°	1101.2	1102.8	1077.4	1058.6	1038.6	970.1	933.1	923.9	926.2	928.5	969.3
42.5°	1199.8	1199.8	1179.8	1162.8	1128.2	1083.2	1045.4	1026.6	1030.8	1026.2	1070.1
45°	1316.0	1318.3	1302.5	1281.4	1244.0	1218.2	1162.4	1149.4	1150.9	1143.6	1192.1
47.5°	1463.8	1463.4	1457.2	1433.7	1403.0	1358.3	1319.4	1287.1	1290.6	1286.0	1336.4
50°	1636.9	1636.9	1633.0	1603.4	1585.3	1538.0	1487.6	1447.6	1445.6	1446.0	1503.4
52.5°	1830.1	1832.4	1838.1	1817.8	1790.4	1725.0	1664.6	1622.6	1620.4	1624.6	1691.9
55°	2045.6	2056.3	2054.8	2032.1	2014.8	1941.2	1860.8	1821.2	1810.4	1818.9	1885.8
57.5°	2287.2	2292.5	2298.7	2281.0	2238.7	2172.9	2063.6	2030.9	2013.2	2030.5	2101.0
60°	2555.0	2567.7	2566.2	2557.7	2509.6	2437.2	2288.0	2256.8	2246.8	2255.2	2332.6
62.5°	2836.6	2837.1	2853.2	2834.8	2788.9	2717.0	2547.3	2492.7	2478.4	2485.4	2568.5
65°	3033.6	3036.0	3054.1	3049.8	3014.4	2937.1	2812.0	2721.2	2722.8	2731.6	2808.6
67.5°	3062.1	3064.8	3094.5	3128.7	3094.8	3024.8	2936.7	2881.7	2905.2	2914.4	2971.7
70°	2947.4	2953.2	2988.6	3025.6	3018.7	2965.2	2886.7	2867.4	2891.0	2910.5	2964.8
72.5°	2722.8	2725.9	2752.0	2785.9	2759.0	2712.4	2622.8	2655.0	2651.6	2677.4	2730.8
75°	2311.0	2300.2	2326.9	2335.7	2289.9	2241.8	2167.9	2220.6	2197.9	2219.8	2247.2
77.5°	1553.0	1542.2	1552.6	1590.8	1558.4	1553.8	1534.6	1593.4	1603.0	1616.9	1618.8
80°	600.2	621.4	675.7	736.1	753.4	799.2	836.2	903.5	948.5	985.4	966.6
82.5°	118.6	130.0	157.4	190.8	228.6	274.8	330.6	387.9	443.7	472.9	449.8
85°	43.1	52.0	65.8	77.3	81.6	87.7	98.1	118.2	137.8	141.6	143.2
87.5°	11.6	20.0	37.3	50.4	50.8	45.8	48.5	50.8	44.6	35.4	48.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	103.9	96.2	88.5	84.3	82.8	81.2	80.0	79.2
5°	120.1	124.7	119.2	109.6	96.2	88.5	83.1	81.6
7.5°	102.4	102.4	118.1	123.5	109.7	98.1	86.6	84.6
10°	115.4	126.2	137.8	150.4	170.1	153.9	129.6	125.4
12.5°	209.7	178.2	152.8	152.8	173.1	175.0	140.4	136.2
15°	222.8	224.0	234.0	212.4	208.2	225.8	201.7	194.0
17.5°	282.0	278.2	271.3	239.3	223.2	228.9	231.6	224.0
20°	327.8	311.3	387.5	394.8	360.5	361.7	355.9	349.3
22.5°	452.1	455.6	427.9	427.1	401.0	446.4	491.4	471.8
25°	477.5	502.2	586.0	572.6	556.4	533.0	544.8	517.2
27.5°	621.8	606.4	622.6	606.4	649.9	628.4	615.2	608.8
30°	653.4	681.5	698.0	685.3	688.4	685.3	663.0	674.2
32.5°	747.3	734.6	759.9	780.7	794.6	797.6	760.0	781.9
35°	809.6	842.3	839.6	832.3	838.8	851.2	831.2	832.0
37.5°	895.8	903.9	897.4	895.4	898.9	905.8	908.9	897.4
40°	974.6	980.4	975.4	982.4	987.8	990.8	1017.0	976.6
42.5°	1085.5	1077.0	1084.3	1093.6	1091.7	1091.3	1115.1	1093.6
45°	1210.2	1208.2	1202.5	1208.6	1223.6	1201.3	1239.0	1232.9
47.5°	1354.8	1354.8	1344.8	1350.6	1374.9	1357.9	1391.0	1401.4
50°	1523.0	1527.2	1499.5	1514.9	1521.1	1524.9	1556.8	1585.4
52.5°	1711.2	1715.0	1676.5	1685.4	1680.8	1710.0	1745.0	1789.2
55°	1915.8	1909.3	1861.2	1877.4	1879.3	1929.7	1951.2	2024.0
57.5°	2119.8	2117.9	2084.8	2084.4	2114.0	2166.8	2184.8	2266.4
60°	2344.5	2344.9	2304.1	2313.4	2340.7	2392.2	2460.7	2528.8
62.5°	2577.0	2594.2	2559.2	2532.3	2562.3	2628.9	2732.0	2784.3
65°	2785.1	2820.1	2762.8	2762.4	2728.2	2837.4	2917.4	2982.1
67.5°	2929.0	2933.6	2866.7	2854.0	2835.5	2905.9	2996.8	3032.1
70°	2929.0	2882.1	2816.7	2807.0	2776.2	2803.6	2913.6	2934.5
72.5°	2696.2	2645.5	2556.2	2571.6	2536.5	2575.0	2662.0	2672.0
75°	2211.8	2143.6	2082.9	2107.5	2088.2	2157.9	2233.0	2216.4
77.5°	1577.2	1493.4	1414.1	1413.4	1415.2	1432.6	1484.5	1460.6
80°	910.0	830.0	753.4	706.1	657.6	618.4	595.3	564.8
82.5°	400.6	322.4	263.6	212.4	180.5	145.8	128.1	110.0
85°	126.6	103.5	88.5	80.8	73.9	69.2	60.0	51.6
87.5°	57.0	55.8	52.3	53.8	53.9	46.6	32.3	26.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)