

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: P156931

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156931
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33664)
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-5MQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8665.6 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

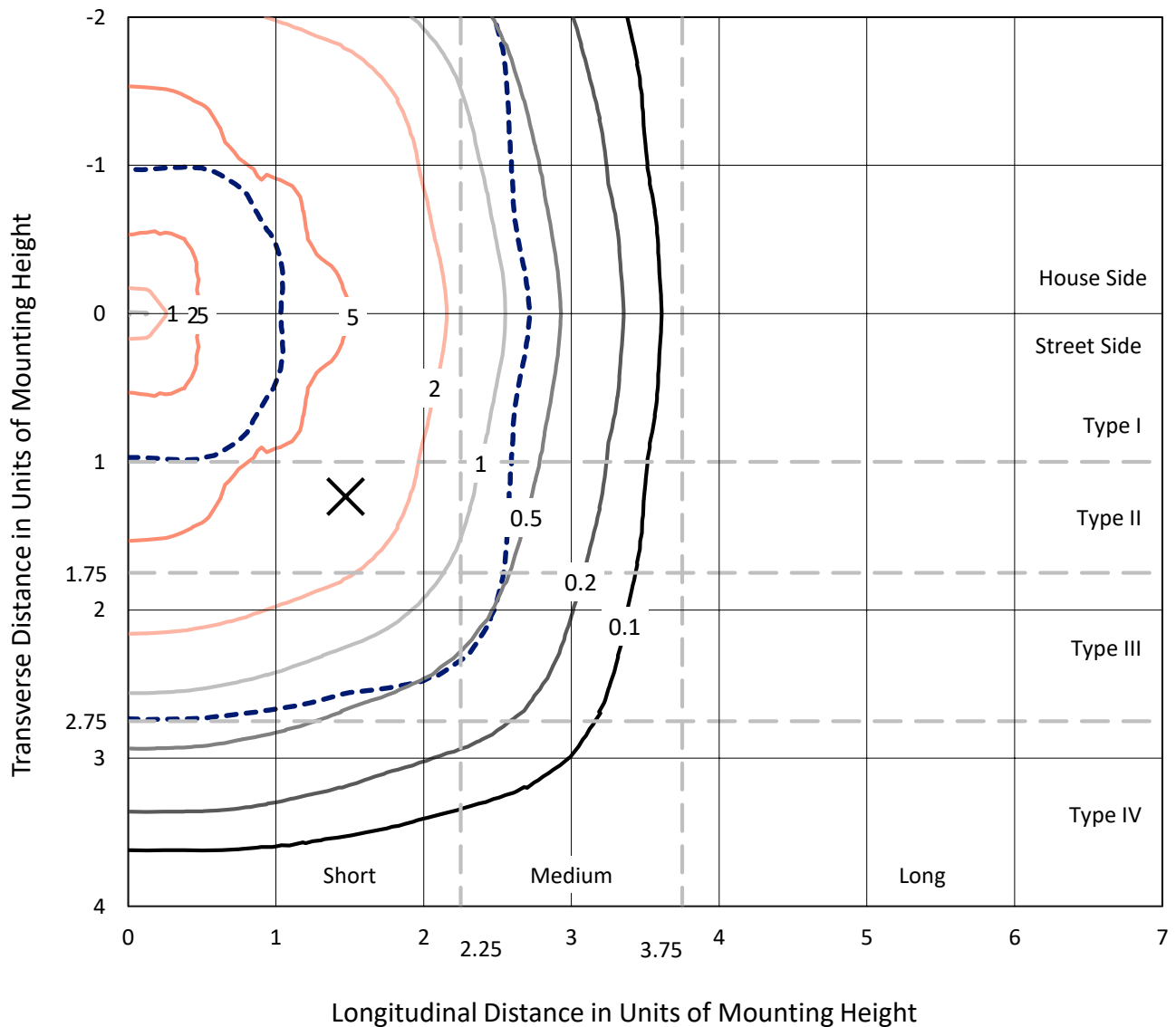
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

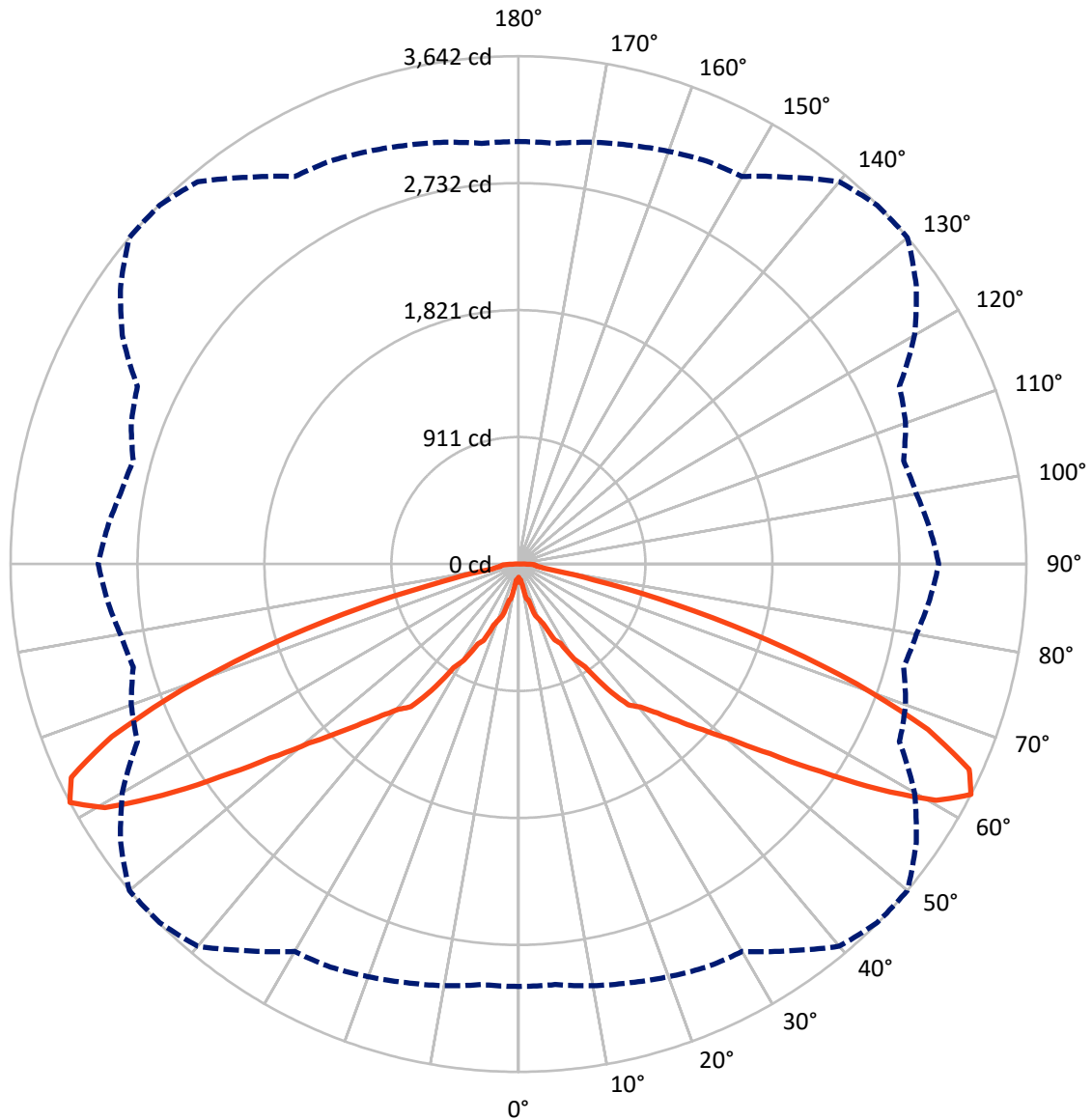


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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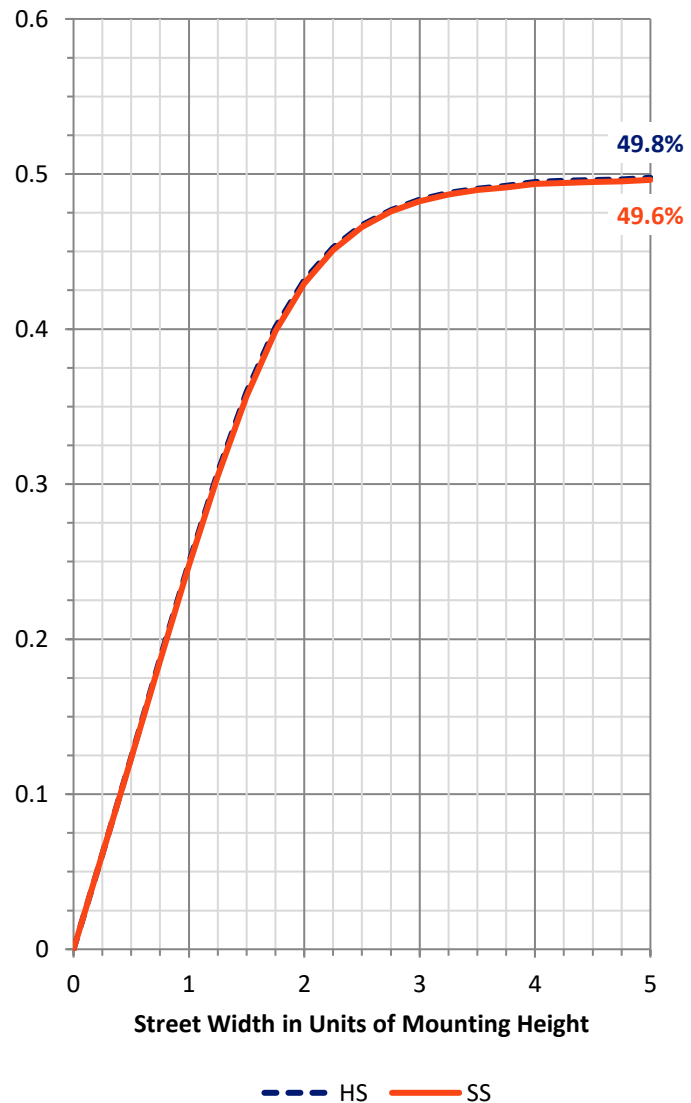
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4332.8	0.0	4332.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4332.8	0.0	4332.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8665.6	0.0	8665.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.2
10°-20°	83.5	1.0
20°-30°	277.8	3.2
30°-40°	711.0	8.2
40°-50°	1317.5	15.2
50°-60°	2393.9	27.6
60°-70°	2821.8	32.6
70°-80°	925.5	10.7
80°-90°	121.4	1.4
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°	8665.6	100.0
0°-180°	8665.6	100.0

Coefficient of Utilization



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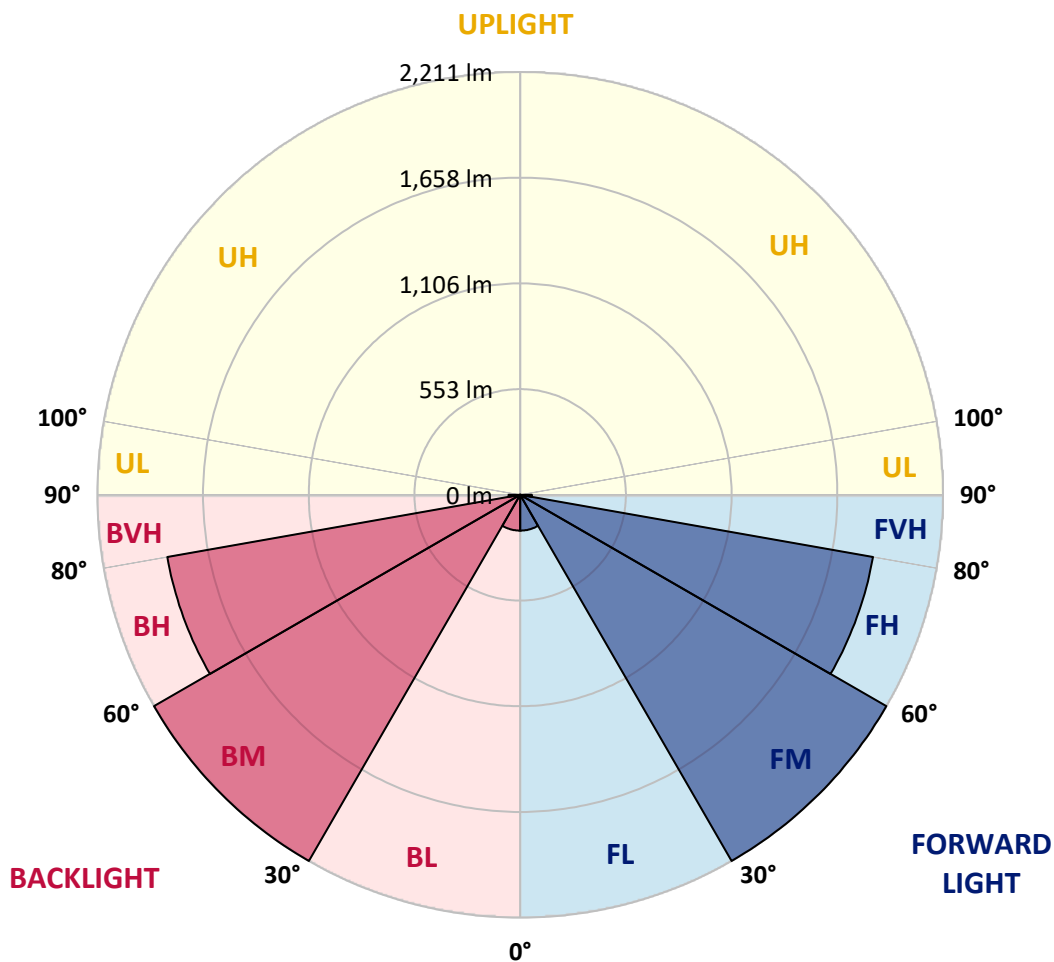
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.2	2.2			
FM (30°-60°)	2211.2	25.5			
FH (60°-80°)	1873.7	21.6			G2/5000
FVH (80°-90°)	60.7	0.7			G1/100
BL (0°-30°)	187.2	2.2	B1/500		
BM (30°-60°)	2211.2	25.5	B2/2500		
BH (60°-80°)	1873.7	21.6	B3/2500		G2/5000
BVH (80°-90°)	60.7	0.7			G1/100
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°	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2.5°	150.0	150.0	150.1	150.8	152.4	151.2	148.5	147.4	132.0	130.5	115.1
5°	110.0	110.4	111.2	110.8	111.2	114.3	112.4	114.2	111.6	115.4	133.9
7.5°	178.6	180.8	179.7	178.2	176.6	168.6	148.9	132.0	116.6	115.1	113.9
10°	191.6	192.4	191.6	190.9	190.4	190.4	189.7	183.9	182.0	177.8	152.0
12.5°	273.2	275.1	273.6	271.7	270.9	238.2	220.9	200.8	194.7	248.2	254.0
15°	289.4	292.4	289.4	287.4	286.7	282.0	278.2	321.3	317.0	270.5	269.0
17.5°	377.1	377.5	375.5	374.4	364.4	346.3	355.2	346.7	340.2	338.6	384.4
20°	431.8	424.8	411.7	392.1	381.0	424.8	429.8	417.1	387.1	406.7	422.5
22.5°	492.6	493.3	490.6	477.9	476.4	502.6	461.0	470.2	488.7	461.4	472.5
25°	608.0	607.6	598.4	555.3	546.8	537.2	536.0	549.1	521.0	561.4	601.8
27.5°	663.4	655.7	644.5	626.4	654.6	639.1	627.6	579.1	660.3	622.2	645.3
30°	811.9	807.3	786.1	774.6	767.3	715.3	696.1	740.7	721.1	728.8	791.1
32.5°	1055.9	1056.6	1022.0	961.6	880.4	875.8	848.4	823.4	849.6	838.0	878.1
35°	1277.5	1248.2	1175.5	1154.0	1111.3	1092.0	1063.2	1023.2	1042.0	1036.2	1102.8
37.5°	1376.8	1375.2	1335.2	1307.2	1288.6	1220.9	1199.8	1225.2	1209.0	1193.2	1282.1
40°	1589.2	1585.7	1542.2	1500.3	1457.2	1356.4	1323.7	1302.1	1285.2	1288.7	1348.3
42.5°	1719.2	1723.1	1676.5	1639.2	1572.2	1496.1	1442.9	1431.8	1403.0	1402.2	1461.0
45°	1865.4	1863.9	1829.7	1779.6	1711.1	1650.8	1578.4	1571.5	1546.1	1544.9	1602.6
47.5°	2033.2	2027.8	1999.4	1954.4	1892.0	1808.5	1750.8	1736.6	1717.7	1706.9	1775.4
50°	2261.8	2260.6	2225.6	2170.2	2119.8	2038.2	1967.4	1932.8	1925.1	1911.2	1978.6
52.5°	2563.4	2557.7	2540.8	2468.0	2422.6	2292.6	2219.1	2189.0	2201.4	2188.3	2260.6
55°	2890.6	2875.9	2868.6	2802.8	2768.2	2643.1	2557.7	2544.6	2558.5	2570.0	2625.4
57.5°	3150.6	3142.2	3153.4	3111.4	3062.6	2983.3	2899.8	2937.9	2980.2	2997.1	3047.9
60°	3206.0	3211.5	3235.7	3238.8	3231.1	3215.3	3161.8	3252.2	3372.7	3413.1	3442.0
62.5°	3029.8	3027.5	3071.0	3108.3	3149.5	3189.5	3208.4	3385.0	3578.2	3637.8	3642.0
65°	2718.2	2720.8	2774.0	2812.4	2863.2	2928.2	3039.4	3230.7	3494.3	3568.6	3553.2
67.5°	2303.4	2322.2	2364.6	2428.8	2473.8	2549.2	2681.2	2869.8	3120.2	3189.1	3168.4
70°	1796.2	1818.1	1862.8	1903.2	1970.1	2065.5	2143.3	2349.9	2549.6	2606.6	2574.2
72.5°	1132.1	1153.6	1228.6	1275.2	1337.9	1423.7	1501.8	1688.8	1872.8	1929.7	1870.8
75°	401.0	419.8	489.4	554.1	621.8	721.9	827.7	991.2	1181.3	1252.1	1168.6
77.5°	157.0	160.4	173.2	181.6	208.2	250.5	311.7	403.6	554.9	621.4	553.3
80°	137.8	144.3	152.0	157.0	157.4	154.7	152.0	159.7	193.2	215.8	188.2
82.5°	119.3	126.6	141.2	150.5	151.6	147.8	143.5	138.2	133.5	127.8	137.4
85°	87.8	106.2	126.6	138.9	141.2	138.2	136.6	130.8	121.2	109.7	124.3
87.5°	35.4	54.3	99.3	117.8	117.0	107.0	110.0	112.0	99.3	72.8	105.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2.5°	116.2	105.0	100.8	95.8	94.6	93.5	93.5	93.1
5°	144.3	150.5	146.6	126.2	102.4	100.4	95.8	95.4
7.5°	114.2	113.9	130.8	144.7	134.7	101.2	100.0	99.2
10°	127.4	163.5	166.2	171.6	212.8	179.7	152.4	148.5
12.5°	248.2	204.4	178.5	183.9	196.2	212.8	162.8	156.2
15°	262.4	262.8	287.4	258.2	253.6	283.6	232.0	240.1
17.5°	334.8	332.1	330.9	279.0	273.2	271.7	278.6	261.6
20°	384.8	366.3	439.4	458.3	418.6	404.8	412.5	408.7
22.5°	515.6	528.3	491.3	488.3	479.8	527.5	541.0	521.0
25°	542.2	599.5	657.6	658.8	633.0	613.4	643.7	618.0
27.5°	712.6	698.8	718.4	703.8	776.5	757.3	755.7	729.6
30°	773.0	801.9	843.8	839.2	864.2	852.3	839.6	883.4
32.5°	917.4	918.5	955.0	1045.8	1082.0	1110.5	1088.2	1100.5
35°	1121.3	1181.7	1199.4	1193.6	1201.7	1238.6	1210.2	1209.8
37.5°	1288.2	1287.9	1278.2	1264.4	1283.6	1311.4	1316.7	1292.1
40°	1368.3	1367.6	1372.9	1381.8	1411.8	1429.1	1459.1	1418.4
42.5°	1480.3	1474.5	1495.3	1517.6	1543.4	1560.3	1605.7	1561.5
45°	1626.1	1623.1	1640.4	1657.3	1678.8	1687.3	1748.1	1750.0
47.5°	1793.1	1801.2	1779.3	1797.7	1820.8	1839.7	1914.7	1925.5
50°	1994.4	2013.6	1961.2	1977.1	2006.3	2048.6	2107.1	2148.6
52.5°	2276.4	2263.7	2223.7	2211.8	2270.2	2345.7	2403.4	2471.1
55°	2641.6	2597.3	2552.7	2530.8	2595.4	2696.2	2755.1	2842.9
57.5°	3039.5	2963.2	2845.1	2862.0	2894.0	2977.5	3009.0	3146.8
60°	3358.1	3231.5	3047.6	3004.8	2993.3	3037.9	3124.5	3193.8
62.5°	3482.3	3280.3	3014.8	2954.8	2859.4	2898.2	2959.4	3013.7
65°	3344.2	3083.7	2818.6	2711.2	2601.6	2638.9	2671.2	2705.1
67.5°	2969.4	2715.0	2470.4	2324.1	2225.2	2228.7	2272.2	2269.5
70°	2418.0	2172.1	1966.3	1845.8	1747.0	1729.2	1753.8	1774.6
72.5°	1699.6	1500.3	1349.1	1234.0	1127.4	1118.2	1090.9	1118.2
75°	977.4	786.5	664.9	544.5	435.6	413.3	375.5	381.7
77.5°	400.9	280.5	217.0	175.5	161.6	157.8	160.1	158.5
80°	162.4	149.0	145.8	145.4	148.2	150.1	150.8	144.0
82.5°	145.1	144.7	142.4	141.2	142.0	142.8	133.5	127.8
85°	135.8	135.4	132.8	130.8	131.2	127.0	113.5	100.8
87.5°	120.8	113.9	108.9	115.4	117.8	108.2	72.3	58.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)