

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: P156956

Luminaire Tested: **UTLD-F02-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156956
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-F02-LED-E-U-5WQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4786.8 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 55
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

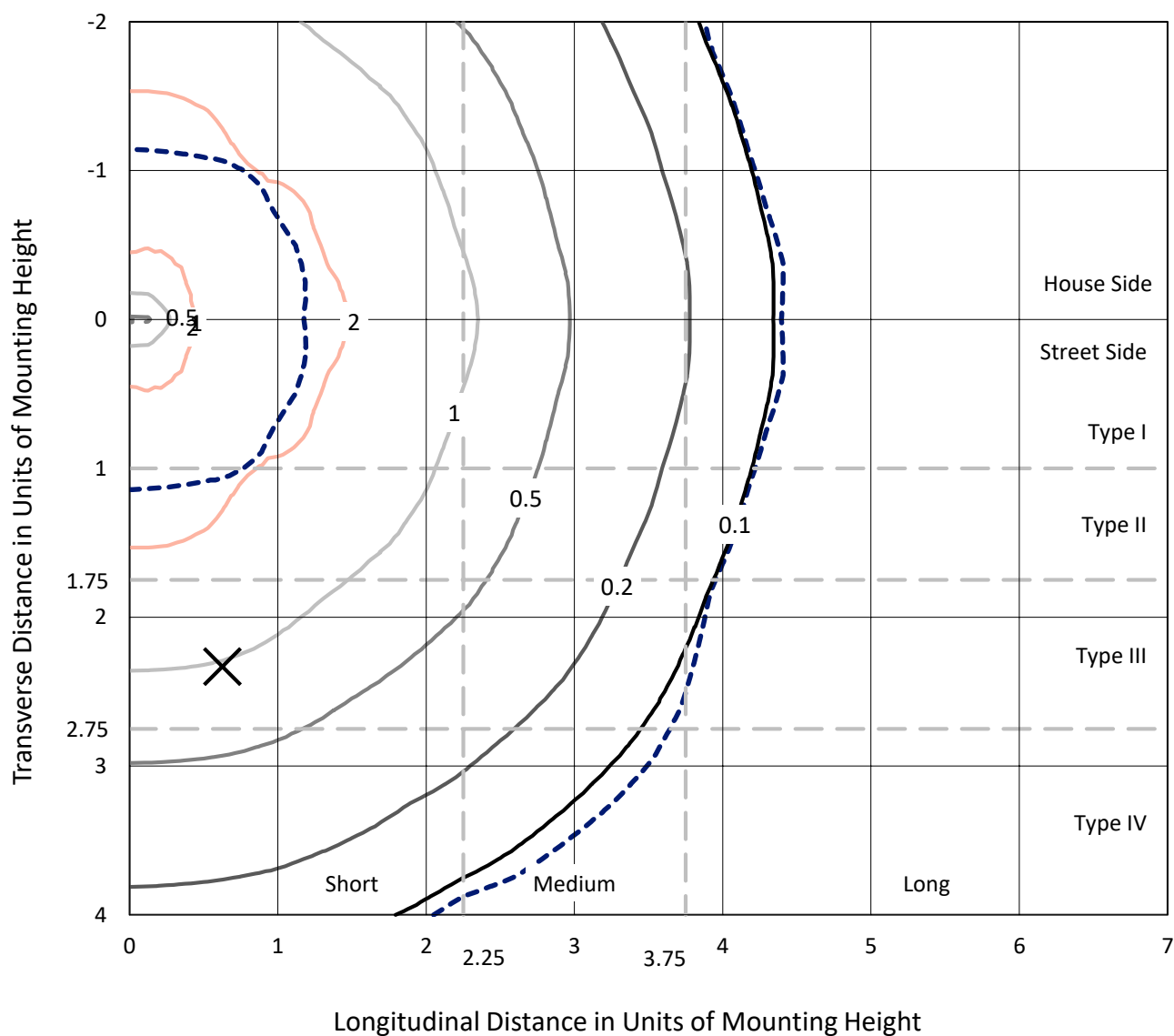


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

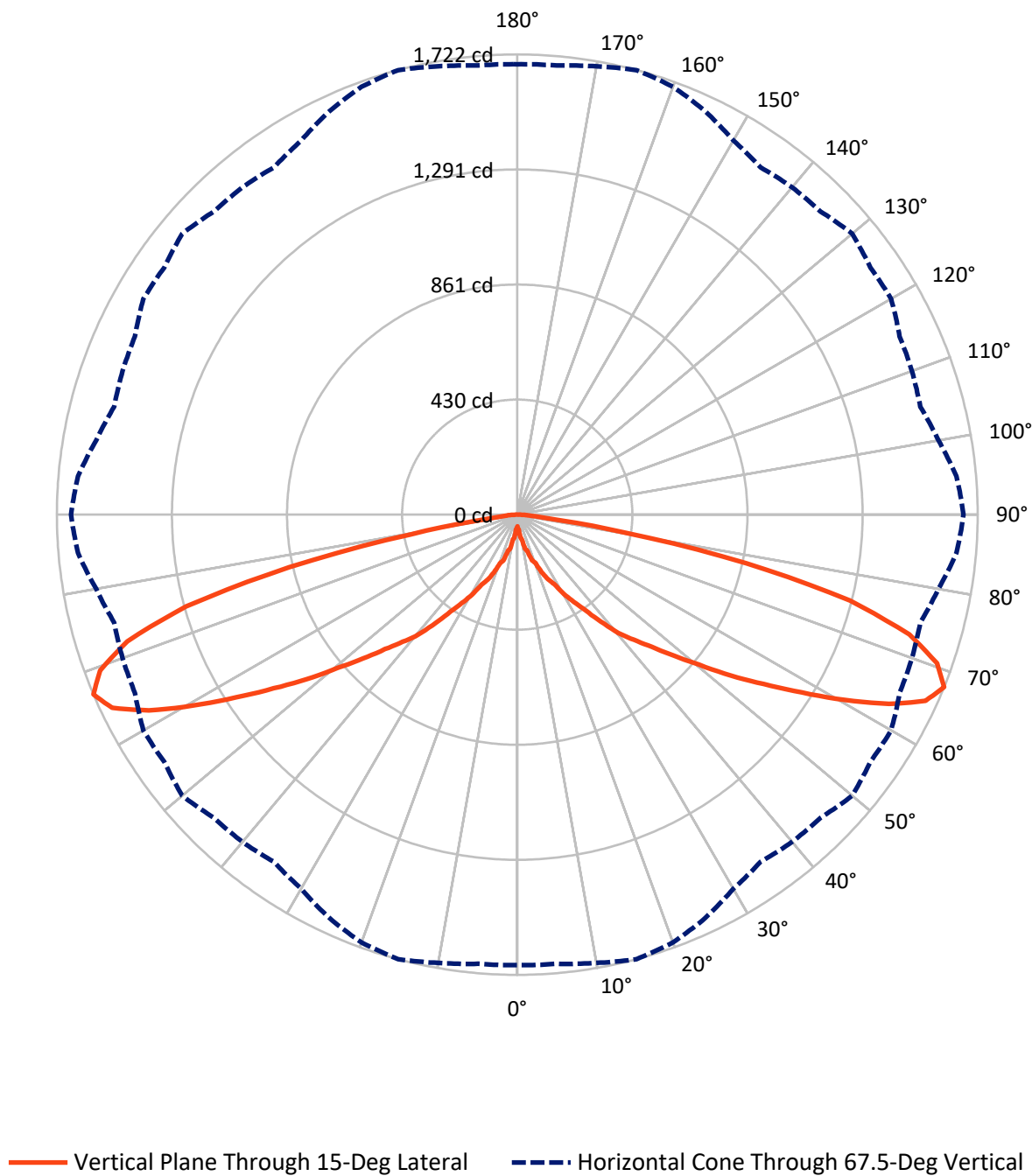


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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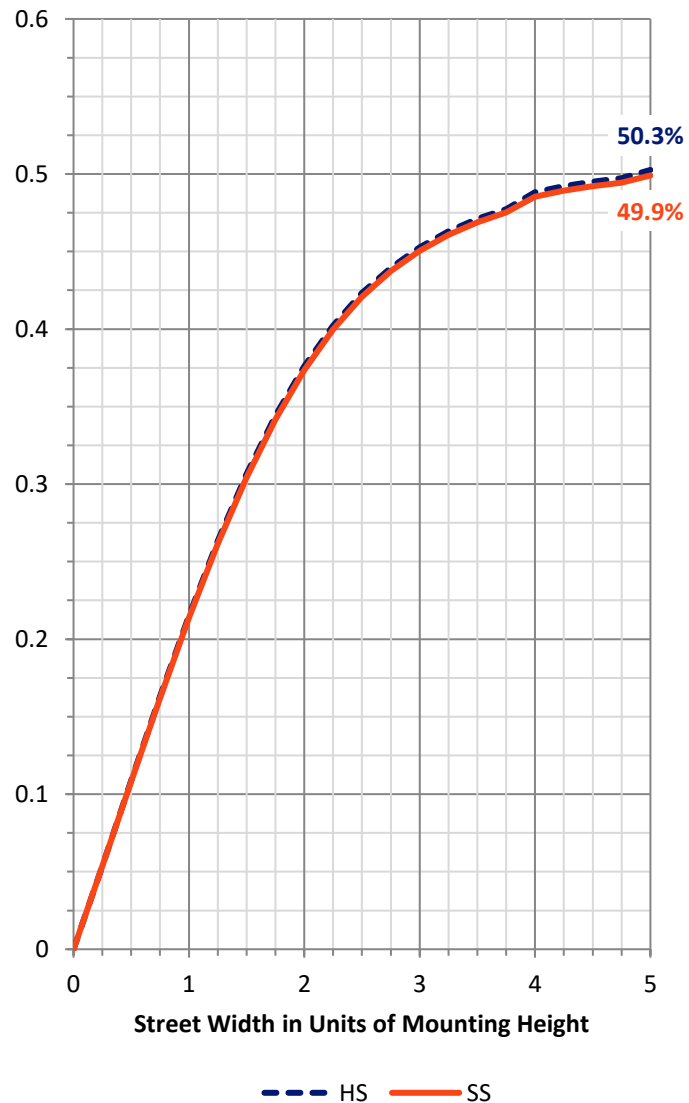
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2393.4	0.0	2393.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2393.4	0.0	2393.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4786.8	0.0	4786.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	39.6	0.8
20°-30°	131.0	2.7
30°-40°	283.3	5.9
40°-50°	530.0	11.1
50°-60°	961.5	20.1
60°-70°	1520.9	31.8
70°-80°	1195.9	25.0
80°-90°	118.2	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°	4786.8	100.0
0°-180°	4786.8	100.0

Coefficient of Utilization



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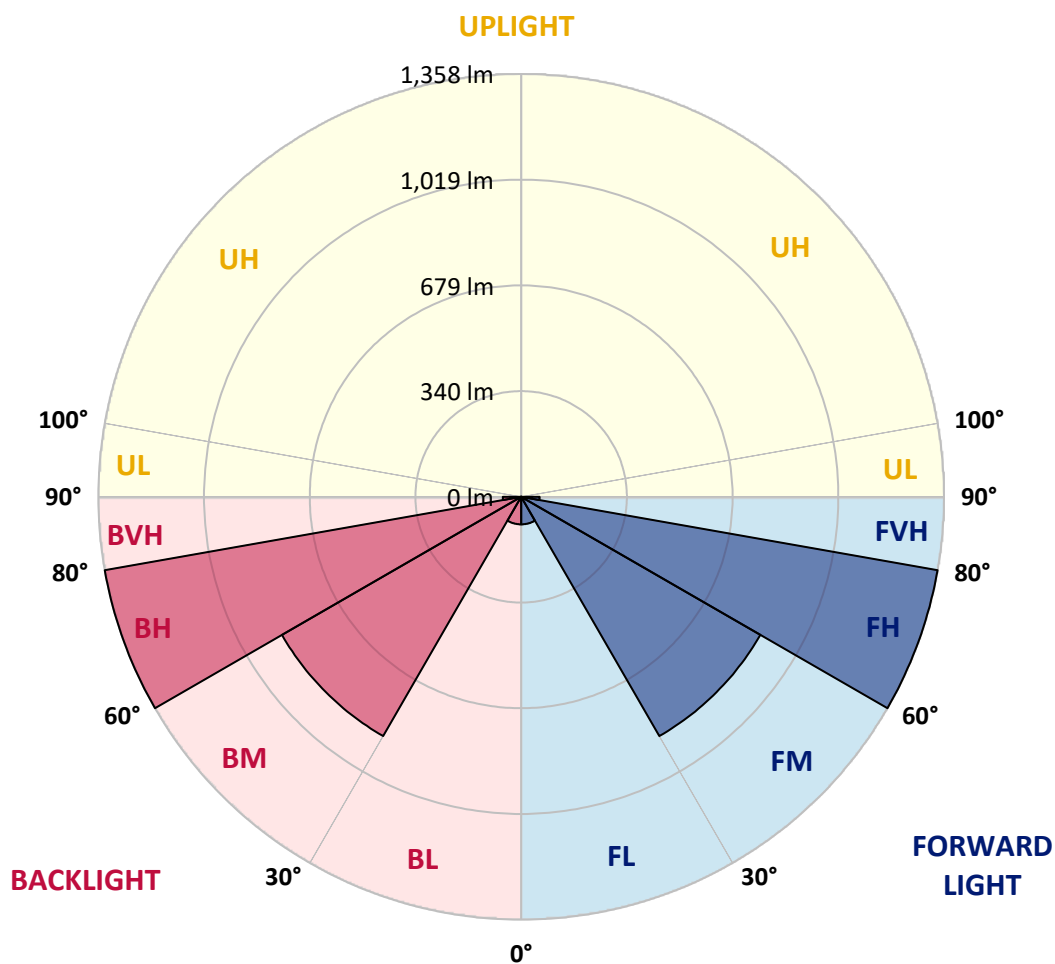
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.5	1.8			
FM	(30°-60°)	887.4	18.5			
FH	(60°-80°)	1358.4	28.4			G1/1800
FVH	(80°-90°)	59.1	1.2			G1/100
BL	(0°-30°)	88.5	1.8	B0/110		
BM	(30°-60°)	887.4	18.5	B1/1000		
BH	(60°-80°)	1358.4	28.4	B3/2500		G1/1800
BVH	(80°-90°)	59.1	1.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
2.5°	69.0	68.8	68.8	68.8	69.7	67.6	64.4	62.0	60.6	60.4	58.9
5°	54.6	54.4	54.4	54.6	54.4	55.0	54.8	56.3	56.1	59.9	65.0
7.5°	87.6	88.1	87.9	86.8	84.7	78.6	73.9	70.1	58.9	57.4	55.7
10°	94.8	94.9	94.8	93.4	93.6	93.6	92.8	91.1	89.8	87.1	74.1
12.5°	131.3	131.7	131.9	131.1	128.3	115.6	112.0	99.8	97.2	113.7	117.3
15°	141.9	142.6	142.1	139.8	138.9	137.4	135.1	145.3	148.4	135.6	126.0
17.5°	181.7	182.4	181.5	180.0	176.4	165.4	168.8	165.6	163.7	161.0	170.3
20°	209.2	210.5	201.0	192.5	187.2	195.7	205.8	201.6	190.4	191.6	197.2
22.5°	238.8	238.9	238.0	233.6	233.6	244.8	226.2	222.4	236.1	219.8	213.7
25°	288.5	287.2	284.6	267.5	262.0	260.7	257.1	264.9	254.1	275.7	288.4
27.5°	306.6	305.4	299.0	293.8	307.5	303.0	297.7	277.6	319.5	299.0	305.8
30°	354.0	354.1	348.6	345.0	348.2	328.0	321.2	345.0	338.2	341.0	371.4
32.5°	415.9	416.4	409.2	389.0	370.6	374.2	371.0	372.7	383.3	380.5	398.3
35°	484.1	466.9	455.3	440.0	429.6	425.0	418.9	405.6	421.0	417.6	436.0
37.5°	523.9	525.6	516.1	507.2	500.4	470.8	458.1	463.4	464.0	455.3	487.3
40°	606.1	606.9	593.0	582.6	571.6	533.9	513.6	508.5	509.7	511.0	533.4
42.5°	660.3	660.3	649.3	639.9	620.9	596.2	575.4	565.0	567.3	564.8	589.0
45°	724.2	725.5	716.8	705.2	684.6	670.5	639.8	632.6	633.4	629.4	656.1
47.5°	805.6	805.3	802.0	789.0	772.1	747.6	726.2	708.4	710.2	707.7	735.5
50°	900.9	900.9	898.8	882.4	872.5	846.4	818.7	796.6	795.6	795.9	827.4
52.5°	1007.2	1008.4	1011.6	1000.4	985.4	949.4	916.1	893.0	891.8	894.1	931.2
55°	1125.8	1131.7	1130.8	1118.4	1108.8	1068.4	1024.1	1002.3	996.4	1001.0	1037.9
57.5°	1258.8	1261.8	1265.1	1255.4	1232.1	1195.9	1135.7	1117.7	1108.0	1117.5	1156.2
60°	1406.2	1413.2	1412.3	1407.6	1381.1	1341.4	1259.2	1242.0	1236.5	1241.2	1283.7
62.5°	1561.2	1561.4	1570.2	1560.1	1534.9	1495.3	1401.9	1371.8	1364.0	1367.8	1413.6
65°	1669.6	1670.8	1680.8	1678.5	1659.0	1616.4	1547.6	1497.6	1498.5	1503.4	1545.7
67.5°	1685.2	1686.8	1703.0	1721.9	1703.2	1664.7	1616.2	1585.9	1598.8	1604.0	1635.5
70°	1622.2	1625.3	1644.8	1665.2	1661.3	1631.9	1588.7	1578.1	1591.0	1601.8	1631.6
72.5°	1498.5	1500.2	1514.6	1533.2	1518.4	1492.8	1443.4	1461.2	1459.3	1473.5	1502.9
75°	1271.9	1265.9	1280.6	1285.4	1260.2	1233.8	1193.1	1222.1	1209.6	1221.7	1236.7
77.5°	854.7	848.8	854.5	875.4	857.7	855.1	844.6	876.9	882.2	889.8	890.9
80°	330.4	342.0	371.9	405.1	414.6	439.8	460.2	497.2	522.0	542.4	532.0
82.5°	65.2	71.6	86.6	105.0	125.8	151.2	181.9	213.5	244.2	260.3	247.6
85°	23.7	28.6	36.2	42.6	44.9	48.3	54.0	65.0	75.8	77.9	78.8
87.5°	6.4	11.0	20.6	27.8	28.0	25.2	26.7	28.0	24.6	19.5	26.5
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°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
2.5°	57.2	52.9	48.7	46.4	45.5	44.7	44.0	43.6
5°	66.1	68.6	65.6	60.4	52.9	48.7	45.7	44.8
7.5°	56.3	56.3	65.0	68.0	60.4	54.0	47.6	46.6
10°	63.5	69.5	75.8	82.8	93.6	84.7	71.4	69.0
12.5°	115.4	98.1	84.1	84.1	95.3	96.3	77.3	75.0
15°	122.6	123.2	128.8	116.9	114.6	124.3	111.0	106.7
17.5°	155.2	153.1	149.3	131.7	122.8	126.0	127.5	123.2
20°	180.4	171.3	213.2	217.3	198.4	199.0	195.9	192.3
22.5°	248.8	250.7	235.5	235.1	220.6	245.7	270.4	259.7
25°	262.8	276.4	322.6	315.1	306.2	293.3	299.9	284.6
27.5°	342.2	333.8	342.6	333.8	357.7	345.8	338.6	335.0
30°	359.6	375.0	384.2	377.2	378.9	377.2	364.9	371.0
32.5°	411.2	404.3	418.3	429.7	437.3	439.0	418.2	430.4
35°	445.6	463.6	462.1	458.1	461.7	468.4	457.4	457.8
37.5°	493.0	497.4	493.8	492.8	494.7	498.5	500.2	493.8
40°	536.4	539.6	536.8	540.7	543.6	545.3	559.7	537.4
42.5°	597.4	592.8	596.8	601.8	600.8	600.6	613.7	601.8
45°	666.0	665.0	661.8	665.2	673.4	661.2	681.9	678.5
47.5°	745.6	745.6	740.2	743.3	756.6	747.3	765.6	771.2
50°	838.2	840.5	825.3	833.7	837.1	839.2	856.8	872.5
52.5°	941.7	943.9	922.7	927.5	925.0	941.1	960.4	984.8
55°	1054.4	1050.8	1024.3	1033.2	1034.3	1062.0	1073.9	1114.0
57.5°	1166.6	1165.6	1147.4	1147.2	1163.5	1192.5	1202.4	1247.3
60°	1290.3	1290.5	1268.1	1273.1	1288.2	1316.5	1354.3	1391.8
62.5°	1418.2	1427.7	1408.5	1393.7	1410.1	1446.8	1503.6	1532.4
65°	1532.8	1552.0	1520.5	1520.3	1501.4	1561.6	1605.6	1641.2
67.5°	1612.0	1614.5	1577.7	1570.7	1560.5	1599.3	1649.2	1668.8
70°	1612.0	1586.2	1550.2	1544.8	1527.9	1543.0	1603.5	1614.9
72.5°	1483.8	1455.9	1406.8	1415.3	1396.0	1417.2	1465.0	1470.6
75°	1217.2	1179.8	1146.3	1159.9	1149.3	1187.6	1228.9	1219.8
77.5°	868.0	821.9	778.2	777.8	778.9	788.4	817.0	803.9
80°	500.8	456.8	414.6	388.6	361.9	340.3	327.6	310.9
82.5°	220.5	177.5	145.0	116.9	99.3	80.3	70.5	60.6
85°	69.6	57.0	48.7	44.5	40.6	38.1	33.0	28.4
87.5°	31.3	30.7	28.8	29.6	29.6	25.6	17.8	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)