

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: P156983

Luminaire Tested: **UTLD-F02-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
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-5XQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3961.7 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

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

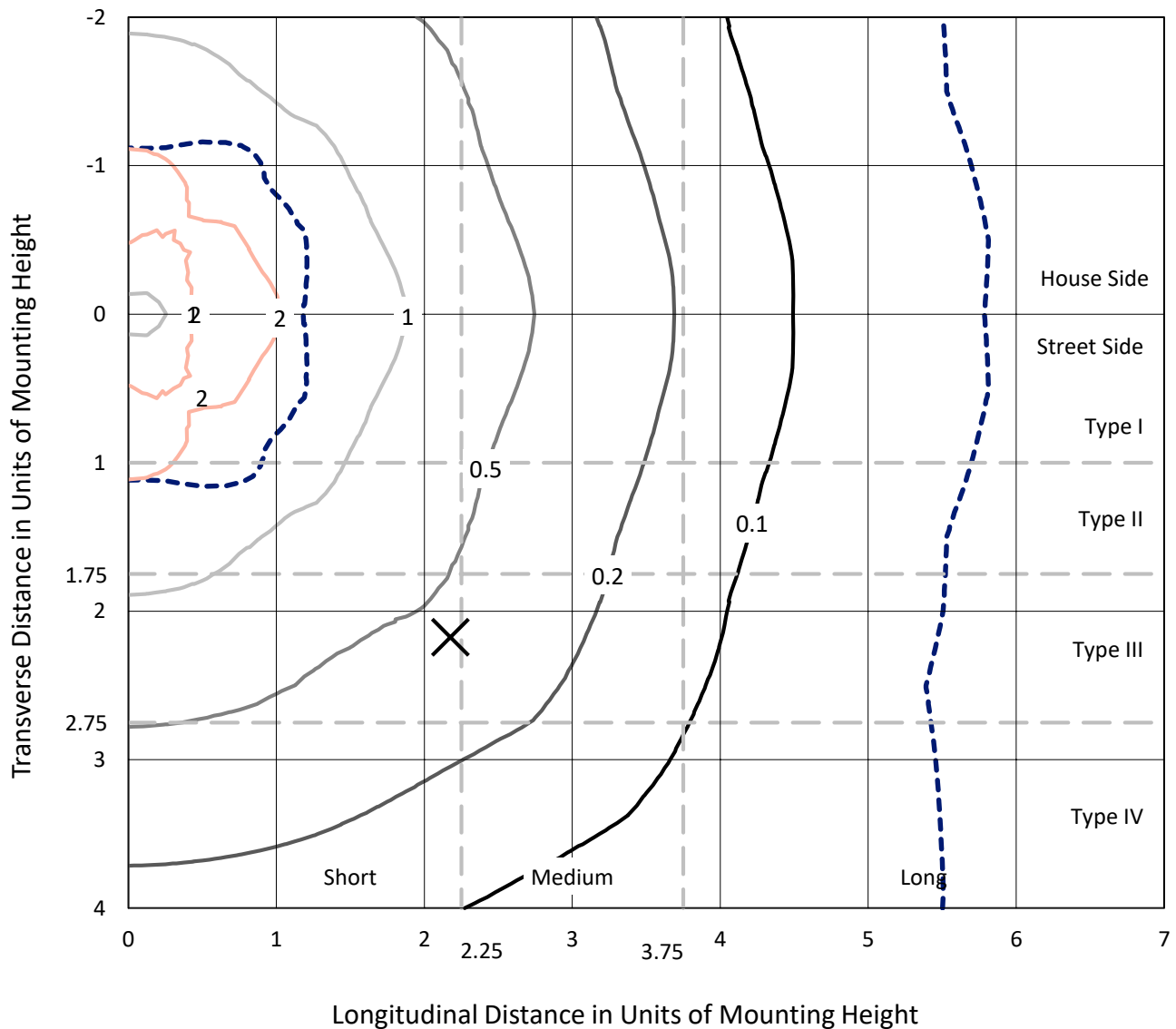


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

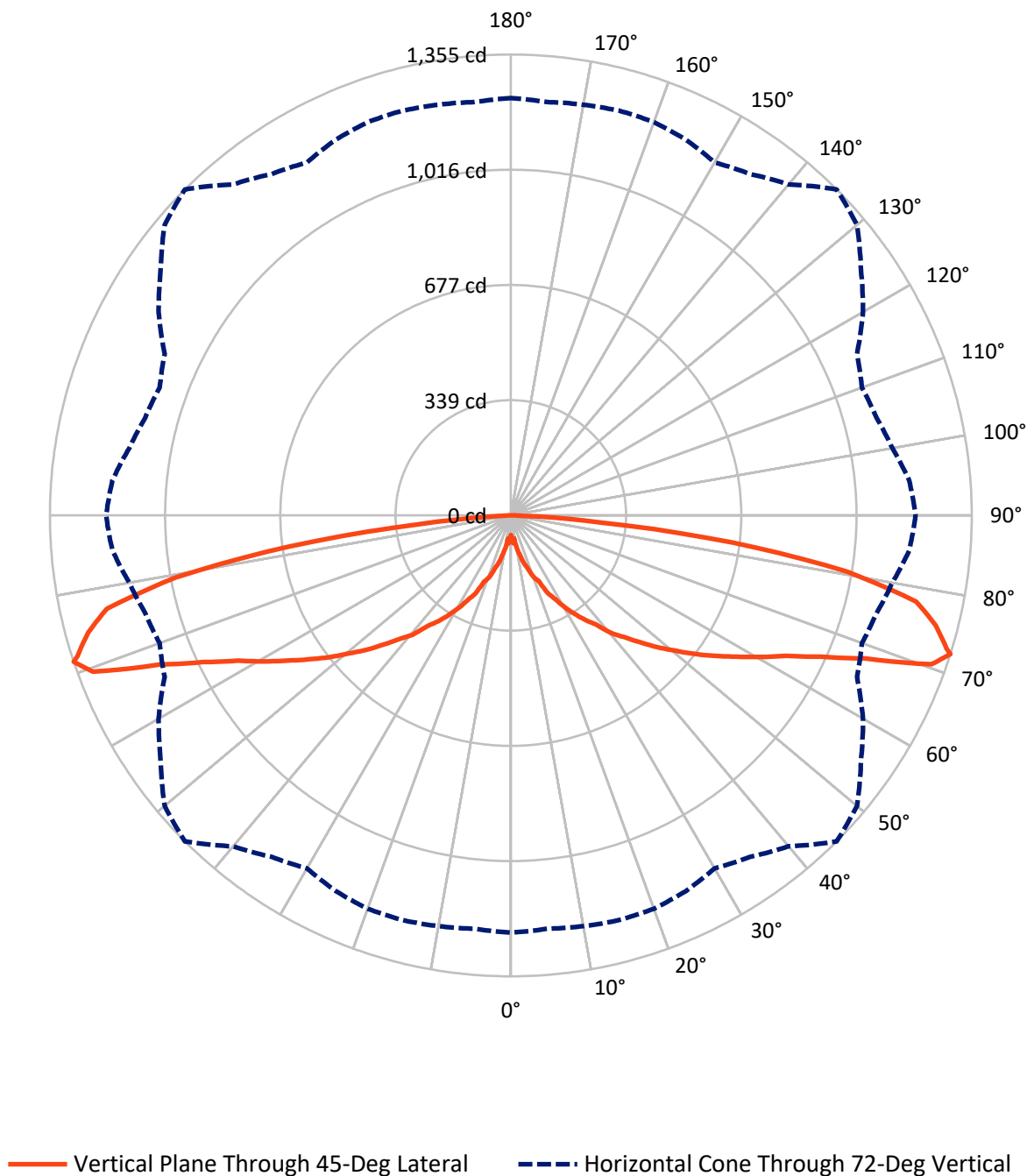


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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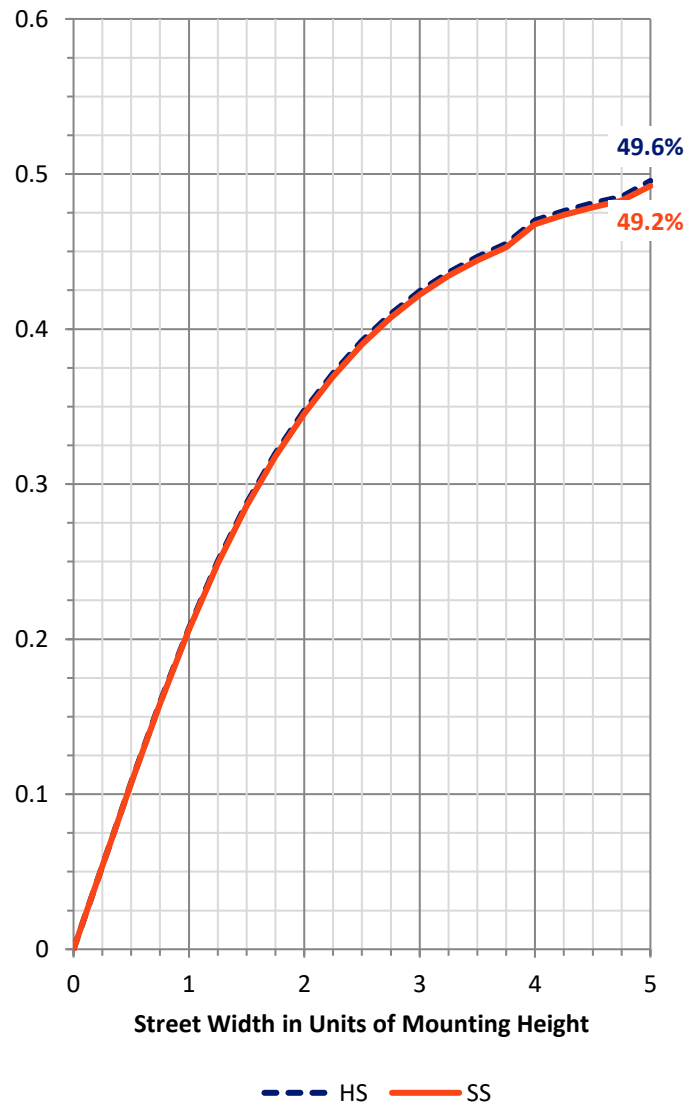
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1980.8	0.0	1980.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1980.8	0.0	1980.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3961.7	0.0	3961.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.2
10°-20°	42.1	1.1
20°-30°	125.0	3.2
30°-40°	253.9	6.4
40°-50°	433.1	10.9
50°-60°	671.9	17.0
60°-70°	1007.5	25.4
70°-80°	1165.4	29.4
80°-90°	255.0	6.4
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°	3961.7	100.0
0°-180°	3961.7	100.0

Coefficient of Utilization



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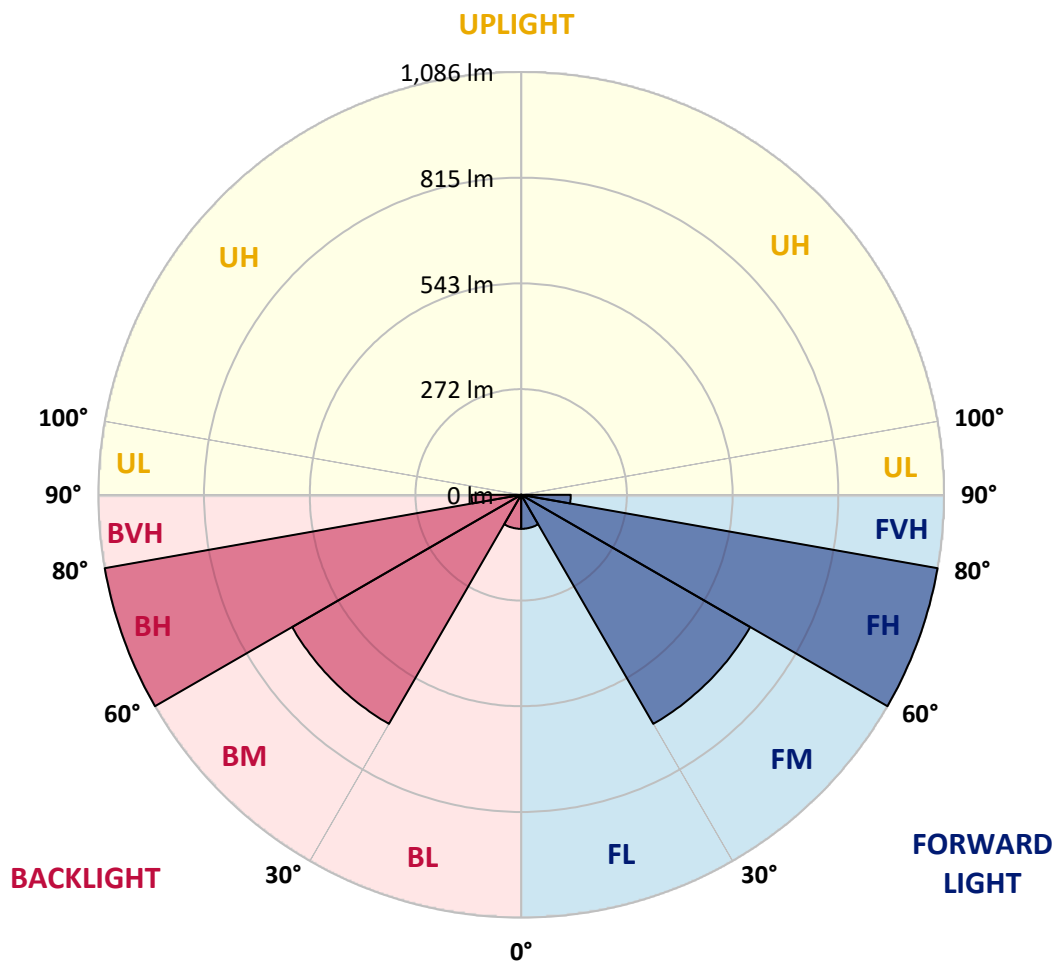
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	2.2			
FM	(30°-60°)	679.5	17.2			
FH	(60°-80°)	1086.4	27.4			G1/1800
FVH	(80°-90°)	127.5	3.2			G2/225
BL	(0°-30°)	87.4	2.2	B0/110		
BM	(30°-60°)	679.5	17.2	B1/1000		
BH	(60°-80°)	1086.4	27.4	B3/2500		G1/1800
BVH	(80°-90°)	127.5	3.2			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°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	91.3	89.9	90.6	89.9	89.9	89.2	80.1	77.3	77.3	78.0	76.6
5°	67.6	68.3	67.6	69.7	71.1	68.3	68.3	69.7	70.4	82.2	83.6
7.5°	104.5	105.2	104.5	103.8	96.1	88.5	87.1	85.0	69.7	68.3	66.9
10°	108.7	108.7	110.1	107.3	106.6	106.6	105.9	105.2	101.0	98.9	84.3
12.5°	144.9	146.3	145.6	144.2	143.5	126.1	123.3	110.1	105.2	119.8	132.4
15°	151.2	150.5	151.9	149.1	147.7	147.7	141.4	147.0	157.5	145.6	136.6
17.5°	187.4	187.4	187.4	186.0	181.2	167.2	168.6	171.4	170.7	165.8	171.4
20°	209.7	209.7	208.3	195.1	186.0	194.4	206.2	200.0	191.6	194.4	199.3
22.5°	230.6	231.3	229.9	225.7	225.0	232.0	221.6	215.3	229.2	209.7	219.5
25°	271.7	272.4	270.3	250.8	248.0	248.0	246.6	250.1	241.1	252.9	269.6
27.5°	294.0	281.5	279.4	273.8	285.7	280.8	278.7	263.4	294.7	278.7	289.8
30°	327.5	327.5	324.7	321.2	319.1	304.5	298.9	308.7	310.0	313.5	342.8
32.5°	377.6	379.0	371.4	352.5	340.0	337.2	341.4	340.0	343.5	345.6	370.0
35°	418.7	419.4	405.5	393.0	383.9	374.8	372.8	367.9	376.9	377.6	396.4
37.5°	462.6	466.8	453.6	447.3	432.7	418.7	402.7	400.6	410.4	406.9	436.9
40°	528.1	530.2	518.4	504.4	473.8	457.8	439.6	437.5	438.2	454.3	468.9
42.5°	568.5	569.2	558.8	542.1	523.9	505.1	480.1	471.0	475.2	489.1	502.3
45°	613.8	613.1	604.1	590.8	572.0	547.6	517.7	510.0	514.2	531.6	543.5
47.5°	660.5	659.1	652.8	637.5	614.5	588.0	558.1	555.3	555.3	578.3	588.0
50°	705.8	706.5	700.2	685.6	657.7	631.9	608.3	597.1	600.6	624.3	635.4
52.5°	756.7	758.0	749.0	733.7	703.7	684.2	660.5	643.8	643.8	676.5	686.3
55°	809.6	810.3	804.7	785.2	762.2	739.2	711.4	691.2	691.9	728.1	736.4
57.5°	864.0	862.6	856.3	841.7	826.3	789.4	759.4	741.3	746.2	783.1	789.4
60°	921.1	920.4	914.1	900.2	877.2	831.9	814.5	803.3	799.2	845.1	845.8
62.5°	986.6	983.8	978.9	966.4	935.0	893.9	875.1	869.5	861.2	908.5	910.6
65°	1067.4	1062.5	1059.0	1045.1	1013.8	965.7	941.3	947.6	942.0	1000.5	992.8
67.5°	1192.1	1183.1	1171.9	1159.4	1124.5	1080.6	1047.2	1061.1	1057.6	1121.7	1119.0
70°	1293.1	1287.6	1286.9	1285.5	1268.8	1240.9	1204.0	1215.8	1230.4	1311.3	1302.9
72°	1226.3	1219.3	1225.6	1231.1	1229.7	1217.9	1197.7	1224.9	1269.5	1354.5	1328.0
72.5°	1210.2	1203.3	1207.4	1212.3	1212.3	1201.2	1183.1	1208.8	1256.2	1339.1	1314.0
75°	1135.7	1133.6	1137.1	1143.3	1150.3	1144.7	1141.9	1158.0	1207.4	1289.0	1257.6
77.5°	1013.1	1015.8	1020.0	1029.1	1042.3	1048.6	1064.6	1089.7	1145.4	1217.9	1192.1
80°	773.4	769.2	779.6	798.5	812.4	826.3	847.9	878.6	937.1	1002.6	962.9
82.5°	258.5	289.1	305.9	342.1	389.5	422.2	468.9	530.2	602.0	656.3	606.9
85°	22.3	26.5	36.9	50.9	65.5	87.1	131.7	165.1	218.1	266.8	225.7
87.5°	5.6	9.1	16.0	22.3	23.0	23.7	26.5	28.6	31.4	32.0	39.7
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°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	75.2	71.8	65.5	59.2	58.5	57.8	57.1	56.4
5°	84.3	89.2	77.3	75.9	73.2	59.9	57.8	56.4
7.5°	67.6	68.3	79.4	79.4	71.8	69.7	57.8	56.4
10°	75.2	73.2	89.9	105.2	109.4	101.7	85.0	83.6
12.5°	128.2	111.5	96.1	97.5	109.4	105.9	94.8	82.9
15°	135.9	131.0	133.1	132.4	131.0	140.0	126.1	123.3
17.5°	167.2	162.3	160.9	143.5	135.9	136.6	140.0	131.0
20°	179.8	180.5	217.4	218.1	204.1	202.1	201.4	199.3
22.5°	243.2	241.8	234.1	231.3	217.4	257.8	263.4	263.4
25°	255.0	275.2	303.8	303.1	295.4	283.6	285.7	272.4
27.5°	317.7	317.7	317.0	324.0	334.4	328.2	324.0	317.7
30°	330.9	352.5	358.1	347.7	352.5	359.5	367.2	374.1
32.5°	369.3	365.8	386.0	395.0	402.7	408.3	390.2	397.1
35°	399.9	412.5	416.0	416.0	421.5	425.0	413.2	413.2
37.5°	434.8	440.3	437.5	441.7	443.8	451.5	450.1	446.6
40°	464.0	469.6	468.2	471.0	470.3	483.5	487.7	473.1
42.5°	501.0	504.4	502.3	503.7	512.8	519.1	532.3	523.2
45°	537.9	541.4	539.3	541.4	556.7	559.5	577.6	576.2
47.5°	580.4	581.1	581.1	588.0	601.3	603.4	623.6	622.9
50°	625.7	629.2	622.9	631.9	646.6	655.6	672.3	681.4
52.5°	676.5	679.3	663.3	685.6	697.4	711.4	719.7	734.4
55°	722.5	726.7	710.0	732.3	743.4	756.7	777.6	790.8
57.5°	771.3	768.5	768.5	774.1	784.5	802.6	829.8	854.2
60°	827.0	817.3	815.9	815.9	836.1	867.4	889.0	914.1
62.5°	891.8	875.8	878.6	868.8	892.5	930.8	956.6	988.0
65°	969.2	950.3	946.2	941.3	958.7	1001.2	1040.9	1064.6
67.5°	1084.1	1056.3	1040.9	1036.0	1056.3	1096.7	1146.8	1171.9
70°	1254.8	1206.0	1153.8	1141.9	1142.6	1182.4	1223.5	1246.5
72°	1256.2	1194.9	1122.4	1098.1	1112.0	1138.5	1175.4	1189.3
72.5°	1237.4	1178.9	1102.9	1084.8	1105.7	1125.9	1166.3	1176.8
75°	1194.9	1136.4	1060.4	1048.6	1056.9	1070.2	1108.5	1112.0
77.5°	1124.5	1059.0	967.1	944.1	923.9	951.7	980.3	971.2
80°	902.3	827.7	740.6	723.2	688.4	707.2	723.9	710.7
82.5°	530.2	441.7	365.1	321.9	266.8	253.6	259.2	217.4
85°	168.6	112.9	79.4	53.6	47.4	36.9	30.7	26.5
87.5°	36.9	30.7	27.9	25.8	25.8	21.6	15.3	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)