

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: P156978

Luminaire Tested: **UTLD-E02-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156978
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-E02-LED-E-U-5XQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4799 lumens
Efficiency: N/A
Efficacy: 92.1 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): 52.1
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

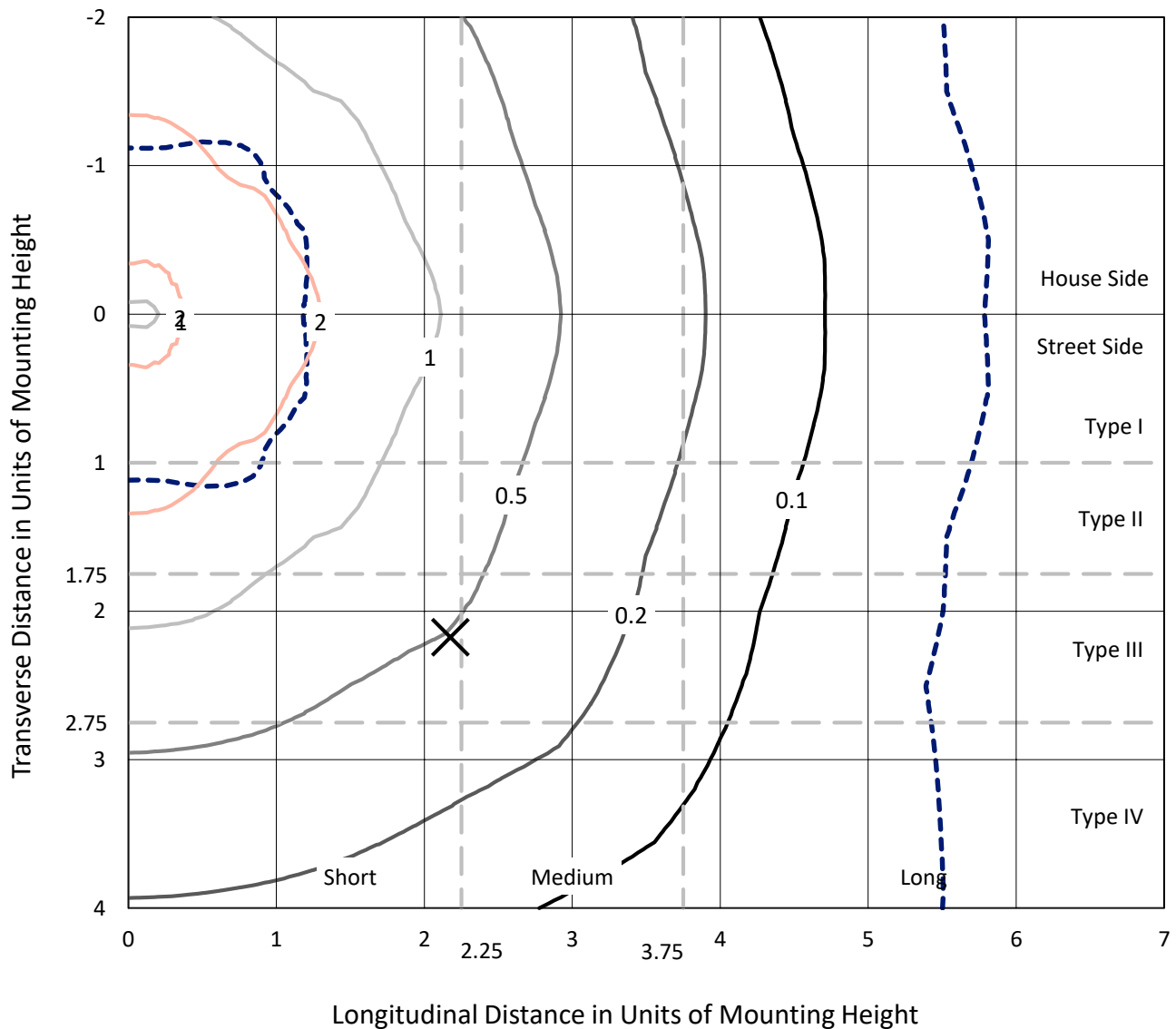


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

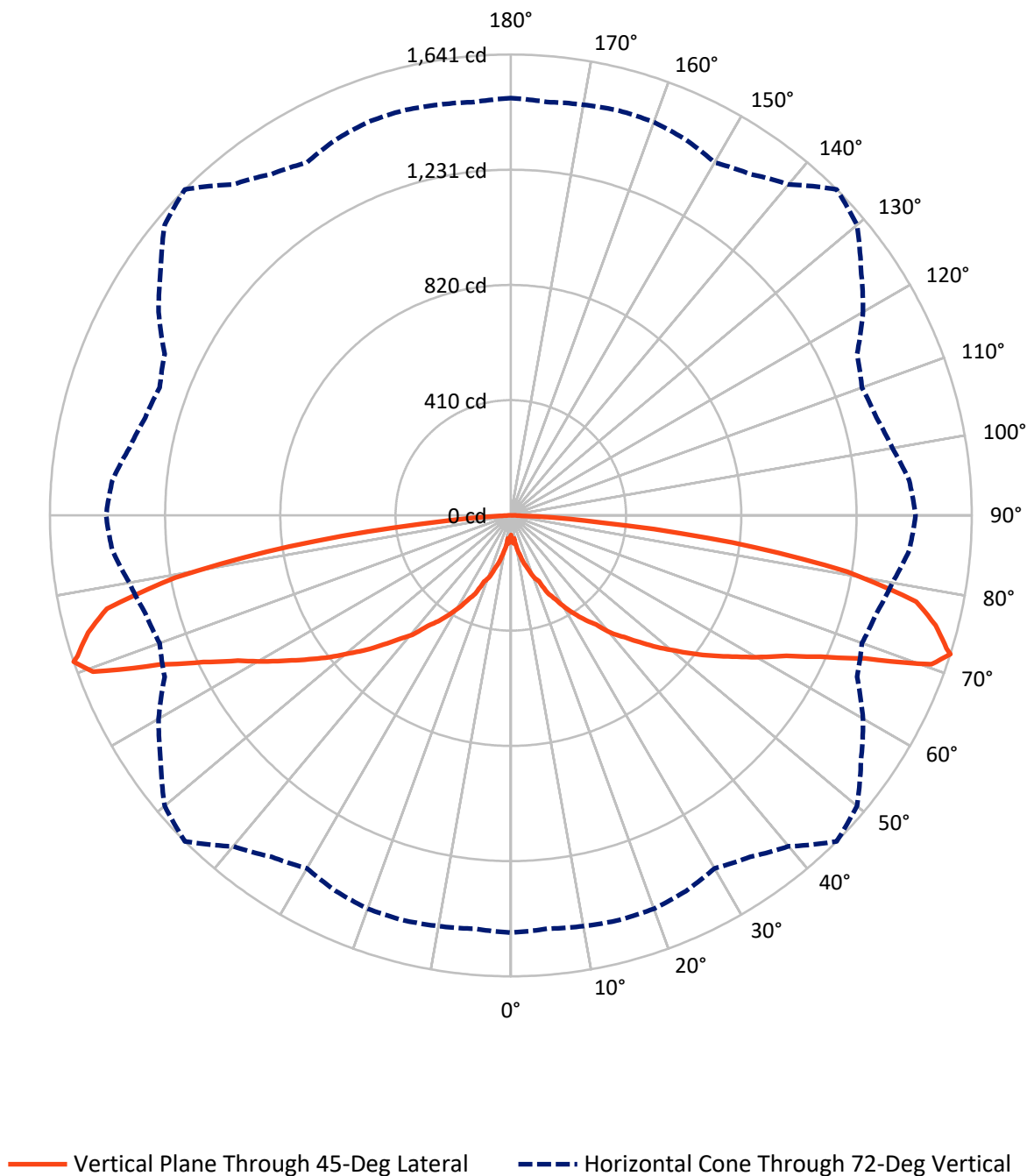


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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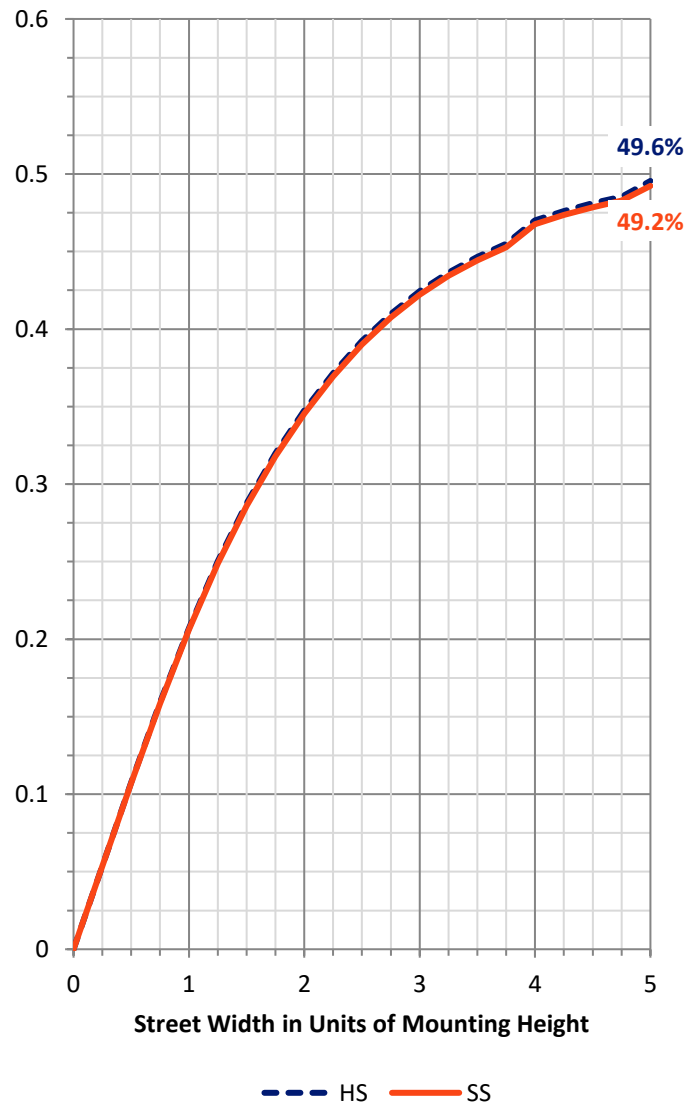
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.5	0.0	2399.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2399.5	0.0	2399.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4799.0	0.0	4799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.2
10°-20°	51.0	1.1
20°-30°	151.4	3.2
30°-40°	307.6	6.4
40°-50°	524.7	10.9
50°-60°	813.9	17.0
60°-70°	1220.4	25.4
70°-80°	1411.7	29.4
80°-90°	308.8	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°	4799.0	100.0
0°-180°	4799.0	100.0

Coefficient of Utilization



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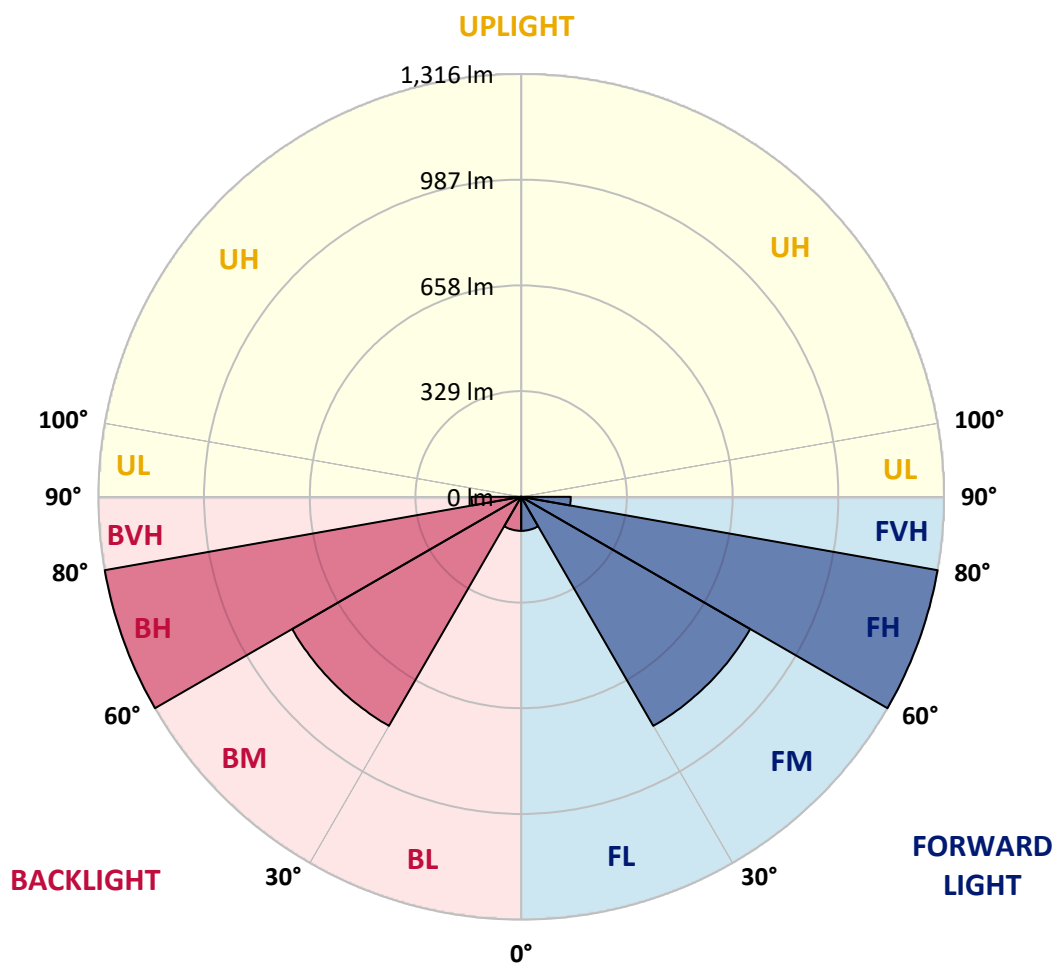
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.9	2.2			
FM	(30°-60°)	823.1	17.2			
FH	(60°-80°)	1316.1	27.4			G1/1800
FVH	(80°-90°)	154.4	3.2			G2/225
BL	(0°-30°)	105.9	2.2	B0/110		
BM	(30°-60°)	823.1	17.2	B1/1000		
BH	(60°-80°)	1316.1	27.4	B3/2500		G1/1800
BVH	(80°-90°)	154.4	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°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	110.6	108.9	109.7	108.9	108.9	108.0	97.1	93.7	93.7	94.5	92.8
5°	81.9	82.7	81.9	84.4	86.1	82.7	82.7	84.4	85.2	99.6	101.3
7.5°	126.6	127.4	126.6	125.8	116.5	107.2	105.5	103.0	84.4	82.7	81.0
10°	131.7	131.7	133.4	130.0	129.1	129.1	128.3	127.4	122.4	119.8	102.1
12.5°	175.6	177.2	176.4	174.7	173.9	152.8	149.4	133.4	127.4	145.2	160.4
15°	183.1	182.3	184.0	180.6	178.9	178.9	171.3	178.1	190.7	176.4	165.4
17.5°	227.0	227.0	227.0	225.3	219.4	202.6	204.2	207.6	206.8	200.9	207.6
20°	254.0	254.0	252.4	236.3	225.3	235.5	249.8	242.2	232.1	235.5	241.4
22.5°	279.4	280.2	278.5	273.5	272.6	281.0	268.4	260.8	277.7	254.0	265.9
25°	329.2	330.0	327.5	303.8	300.5	300.5	298.8	303.0	292.0	306.4	326.6
27.5°	356.2	341.0	338.4	331.7	346.0	340.1	337.6	319.0	357.0	337.6	351.1
30°	396.7	396.7	393.3	389.1	386.5	368.8	362.1	373.9	375.6	379.8	415.2
32.5°	457.4	459.1	449.8	427.1	411.9	408.5	413.6	411.9	416.1	418.6	448.2
35°	507.2	508.1	491.2	476.0	465.0	454.1	451.5	445.6	456.6	457.4	480.2
37.5°	560.4	565.5	549.4	541.8	524.1	507.2	487.8	485.3	497.1	492.9	529.2
40°	639.7	642.3	627.9	611.0	573.9	554.5	532.6	530.0	530.9	550.3	568.0
42.5°	688.7	689.5	676.9	656.6	634.7	611.9	581.5	570.5	575.6	592.5	608.5
45°	743.6	742.7	731.7	715.7	692.9	663.4	627.1	617.8	622.9	644.0	658.3
47.5°	800.1	798.4	790.8	772.3	744.4	712.3	676.0	672.7	672.7	700.5	712.3
50°	855.0	855.8	848.2	830.5	796.7	765.5	736.8	723.3	727.5	756.2	769.7
52.5°	916.6	918.3	907.3	888.7	852.4	828.8	800.1	779.8	779.8	819.5	831.3
55°	980.7	981.6	974.8	951.2	923.3	895.5	861.7	837.2	838.1	882.0	892.1
57.5°	1046.5	1044.9	1037.3	1019.5	1001.0	956.2	920.0	898.0	903.9	948.6	956.2
60°	1115.8	1114.9	1107.3	1090.4	1062.6	1007.7	986.6	973.1	968.1	1023.8	1024.6
62.5°	1195.1	1191.7	1185.8	1170.6	1132.6	1082.8	1060.1	1053.3	1043.2	1100.6	1103.1
65°	1293.0	1287.1	1282.9	1266.0	1228.0	1169.8	1140.2	1147.8	1141.1	1212.0	1202.7
67.5°	1444.1	1433.1	1419.6	1404.4	1362.2	1309.0	1268.5	1285.4	1281.2	1358.8	1355.4
70°	1566.4	1559.7	1558.9	1557.2	1536.9	1503.1	1458.4	1472.8	1490.5	1588.4	1578.3
72°	1485.4	1477.0	1484.6	1491.3	1489.6	1475.3	1450.8	1483.7	1537.8	1640.7	1608.6
72.5°	1466.0	1457.6	1462.6	1468.5	1468.5	1455.0	1433.1	1464.3	1521.7	1622.2	1591.8
75°	1375.7	1373.2	1377.4	1385.0	1393.4	1386.7	1383.3	1402.7	1462.6	1561.4	1523.4
77.5°	1227.2	1230.5	1235.6	1246.6	1262.6	1270.2	1289.6	1320.0	1387.5	1475.3	1444.1
80°	936.8	931.8	944.4	967.2	984.1	1001.0	1027.1	1064.3	1135.2	1214.5	1166.4
82.5°	313.1	350.3	370.5	414.4	471.8	511.5	568.0	642.3	729.2	795.0	735.1
85°	27.0	32.1	44.7	61.6	79.3	105.5	159.5	200.0	264.2	323.2	273.5
87.5°	6.8	11.0	19.4	27.0	27.9	28.7	32.1	34.6	38.0	38.8	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°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	91.2	86.9	79.3	71.7	70.9	70.1	69.2	68.4
5°	102.1	108.0	93.7	92.0	88.6	72.6	70.1	68.4
7.5°	81.9	82.7	96.2	96.2	86.9	84.4	70.1	68.4
10°	91.2	88.6	108.9	127.4	132.5	123.2	103.0	101.3
12.5°	155.3	135.0	116.5	118.2	132.5	128.3	114.8	100.4
15°	164.6	158.7	161.2	160.4	158.7	169.6	152.8	149.4
17.5°	202.6	196.6	195.0	173.9	164.6	165.4	169.6	158.7
20°	217.7	218.6	263.3	264.2	247.3	244.8	243.9	241.4
22.5°	294.6	292.9	283.6	280.2	263.3	312.3	319.0	319.0
25°	308.9	333.4	368.0	367.1	357.9	343.5	346.0	330.0
27.5°	384.9	384.9	384.0	392.5	405.1	397.5	392.5	384.9
30°	400.9	427.1	433.8	421.2	427.1	435.5	444.8	453.2
32.5°	447.3	443.1	467.6	478.5	487.8	494.6	472.6	481.1
35°	484.5	499.6	503.9	503.9	510.6	514.8	500.5	500.5
37.5°	526.7	533.4	530.0	535.1	537.6	546.9	545.2	541.0
40°	562.1	568.8	567.2	570.5	569.7	585.7	590.8	573.1
42.5°	606.8	611.0	608.5	610.2	621.2	628.8	644.8	633.8
45°	651.6	655.8	653.2	655.8	674.3	677.7	699.7	698.0
47.5°	703.0	703.9	703.9	712.3	728.4	730.9	755.4	754.5
50°	757.9	762.1	754.5	765.5	783.2	794.2	814.5	825.4
52.5°	819.5	822.9	803.5	830.5	844.8	861.7	871.8	889.6
55°	875.2	880.3	860.0	887.0	900.5	916.6	941.9	957.9
57.5°	934.3	930.9	930.9	937.7	950.3	972.3	1005.2	1034.7
60°	1001.8	990.0	988.3	988.3	1012.8	1050.8	1076.9	1107.3
62.5°	1080.3	1060.9	1064.3	1052.5	1081.2	1127.6	1158.8	1196.8
65°	1174.0	1151.2	1146.1	1140.2	1161.3	1212.8	1260.9	1289.6
67.5°	1313.2	1279.5	1260.9	1255.0	1279.5	1328.4	1389.2	1419.6
70°	1520.0	1460.9	1397.6	1383.3	1384.1	1432.3	1482.0	1509.9
72°	1521.7	1447.4	1359.7	1330.1	1347.0	1379.1	1423.8	1440.7
72.5°	1498.9	1428.0	1336.0	1314.1	1339.4	1363.9	1412.8	1425.5
75°	1447.4	1376.5	1284.6	1270.2	1280.3	1296.4	1342.8	1347.0
77.5°	1362.2	1282.9	1171.5	1143.6	1119.1	1152.9	1187.5	1176.5
80°	1093.0	1002.7	897.2	876.1	833.9	856.7	876.9	860.9
82.5°	642.3	535.1	442.3	389.9	323.2	307.2	314.0	263.3
85°	204.2	136.7	96.2	65.0	57.4	44.7	37.1	32.1
87.5°	44.7	37.1	33.8	31.2	31.2	26.2	18.6	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)