

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: P156949

Luminaire Tested: **UTLD-E02-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156949
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-E02-LED-E-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5161.3 lumens
Efficiency: N/A
Efficacy: 99.1 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): 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

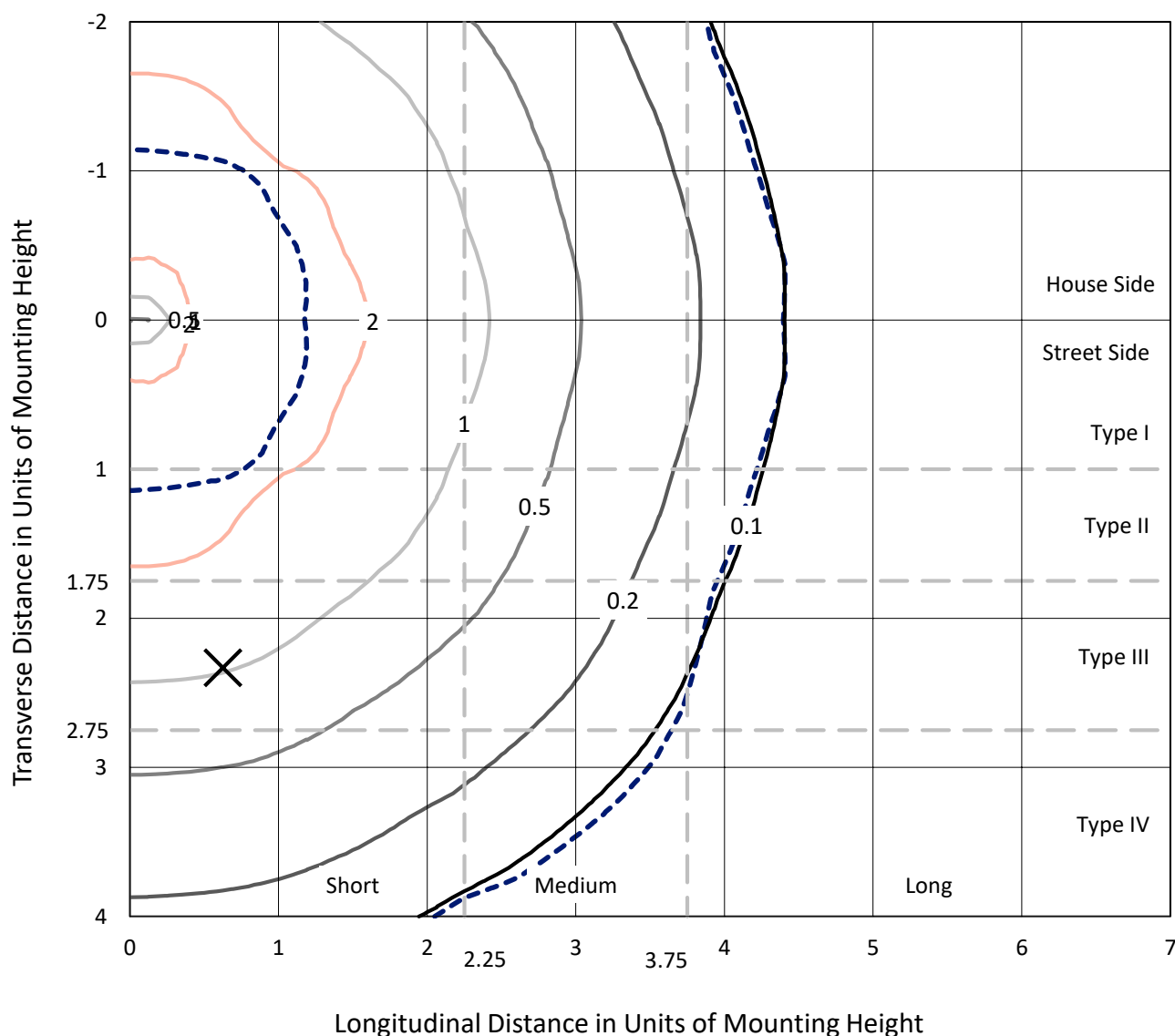


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

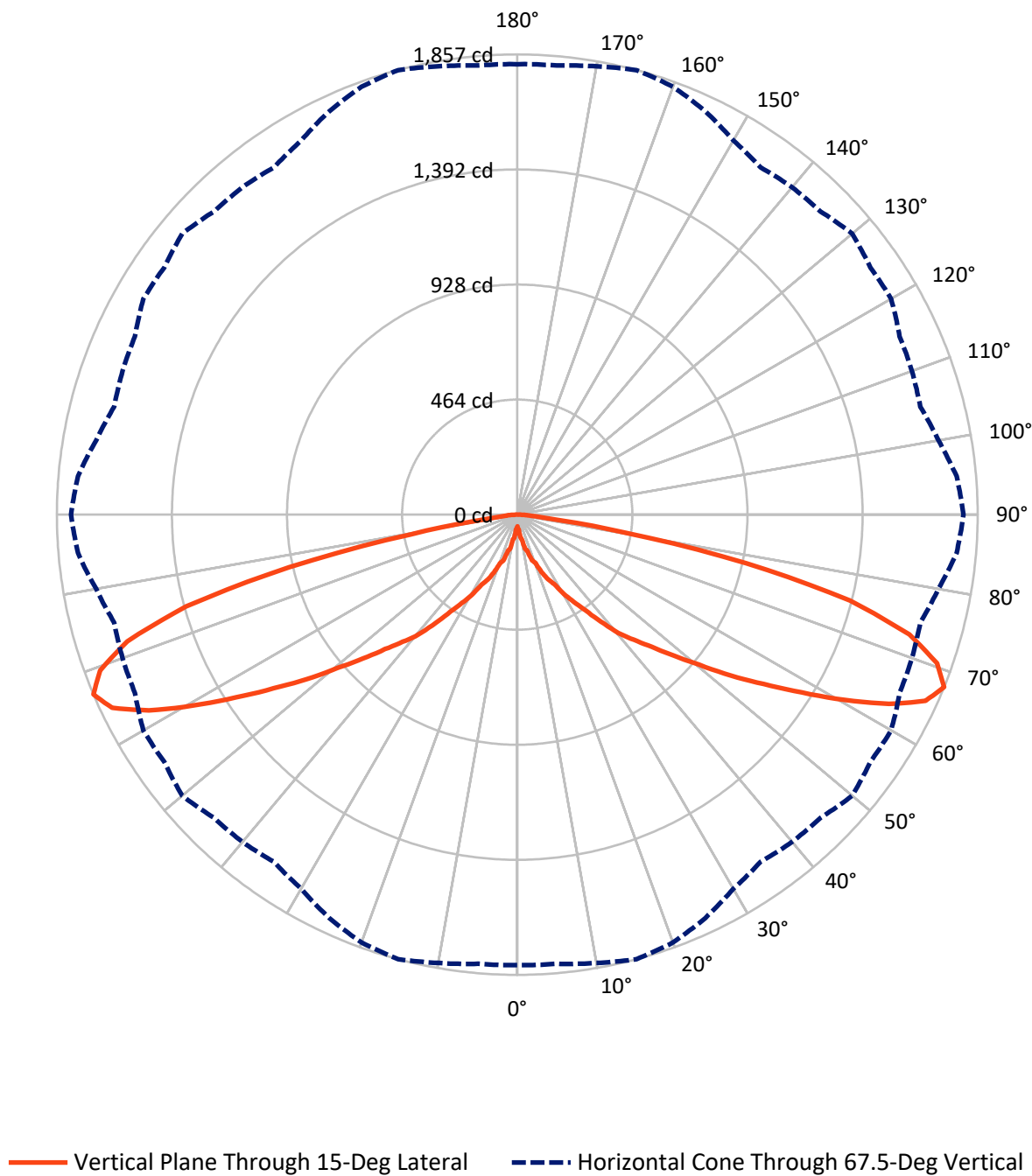


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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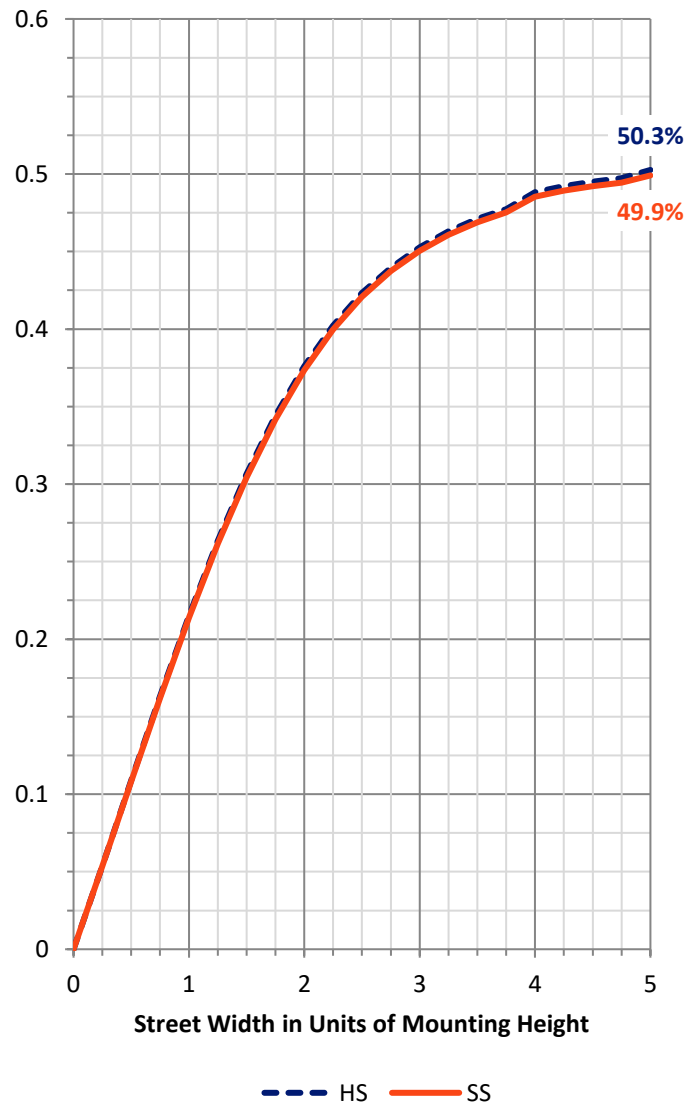
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2580.6	0.0	2580.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2580.6	0.0	2580.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5161.3	0.0	5161.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	42.7	0.8
20°-30°	141.2	2.7
30°-40°	305.4	5.9
40°-50°	571.5	11.1
50°-60°	1036.8	20.1
60°-70°	1639.9	31.8
70°-80°	1289.5	25.0
80°-90°	127.4	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°	5161.3	100.0
0°-180°	5161.3	100.0

Coefficient of Utilization



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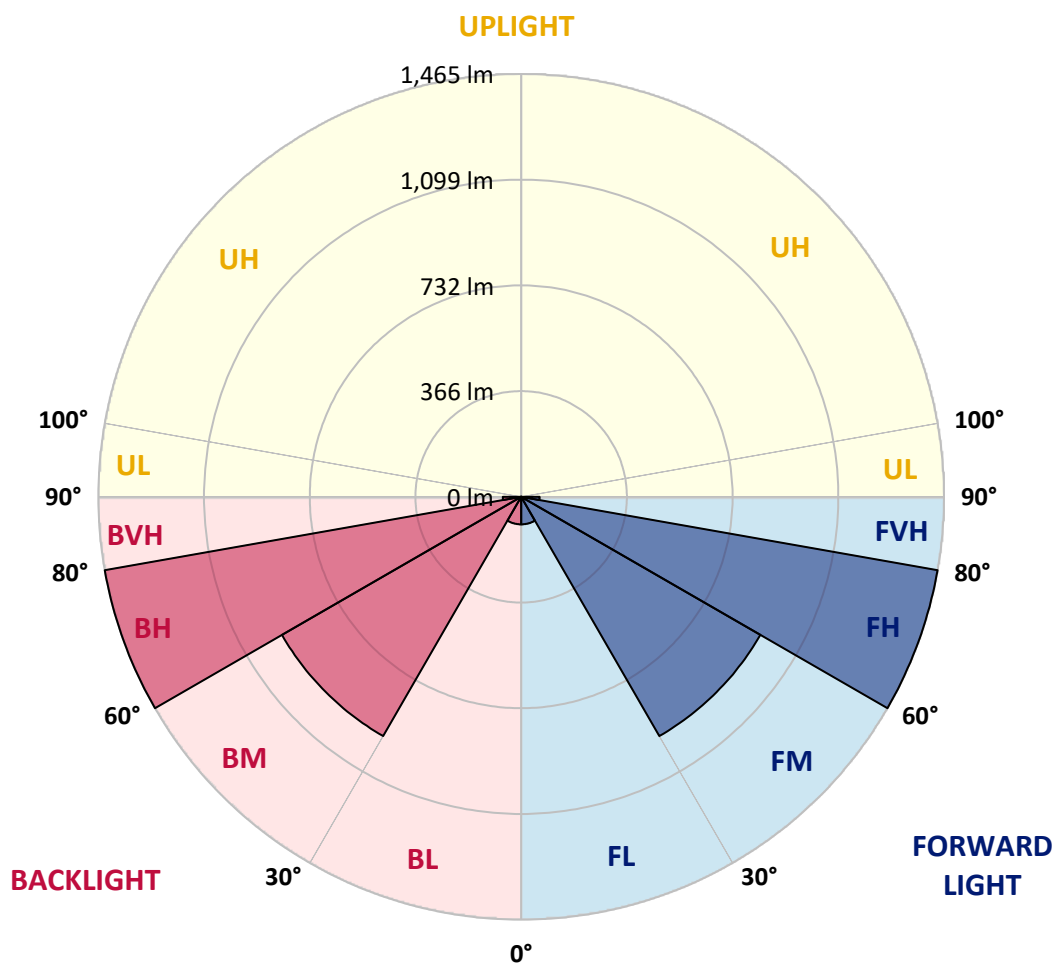
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.4	1.8			
FM	(30°-60°)	956.8	18.5			
FH	(60°-80°)	1464.7	28.4			G1/1800
FVH	(80°-90°)	63.7	1.2			G1/100
BL	(0°-30°)	95.4	1.8	B0/110		
BM	(30°-60°)	956.8	18.5	B1/1000		
BH	(60°-80°)	1464.7	28.4	B3/2500		G1/1800
BVH	(80°-90°)	63.7	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°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	74.4	74.2	74.2	74.2	75.1	72.8	69.4	66.9	65.3	65.1	63.5
5°	58.9	58.7	58.7	58.9	58.7	59.4	59.1	60.7	60.5	64.6	70.1
7.5°	94.6	95.0	94.7	93.6	91.3	84.7	79.7	75.6	63.5	61.8	60.0
10°	102.3	102.3	102.3	100.7	100.9	100.9	100.0	98.2	96.8	93.9	79.9
12.5°	141.6	142.0	142.2	141.4	138.4	124.7	120.8	107.5	104.8	122.6	126.5
15°	153.0	153.7	153.2	150.7	149.8	148.2	145.7	156.6	160.0	146.1	135.9
17.5°	195.9	196.6	195.7	194.1	190.2	178.3	182.0	178.6	176.5	173.5	183.6
20°	225.6	227.0	216.7	207.6	201.8	211.0	222.0	217.4	205.3	206.6	212.6
22.5°	257.6	257.6	256.6	251.9	251.8	264.0	243.9	239.8	254.6	237.0	230.4
25°	311.0	309.6	306.9	288.4	282.4	281.1	277.2	285.6	274.0	297.3	311.0
27.5°	330.6	329.2	322.4	316.7	331.6	326.7	321.0	299.4	344.6	322.4	329.7
30°	381.8	381.8	375.8	372.0	375.4	353.7	346.4	372.0	364.6	367.6	400.5
32.5°	448.5	448.9	441.2	419.4	399.6	403.5	400.0	401.9	413.3	410.3	429.5
35°	522.0	503.5	490.9	474.4	463.3	458.3	451.6	437.2	454.0	450.3	470.1
37.5°	564.9	566.8	556.4	546.9	539.5	507.6	493.9	499.6	500.3	491.0	525.4
40°	653.5	654.4	639.4	628.2	616.3	575.6	553.7	548.2	549.6	551.0	575.2
42.5°	712.0	712.0	700.1	690.0	669.5	642.8	620.4	609.2	611.7	609.0	635.0
45°	780.9	782.3	772.9	760.4	738.2	722.9	689.8	682.1	683.0	678.6	707.4
47.5°	868.6	868.4	864.7	850.8	832.5	806.0	783.0	763.8	765.8	763.1	793.0
50°	971.4	971.4	969.1	951.5	940.8	912.7	882.7	859.0	857.8	858.1	892.1
52.5°	1086.0	1087.3	1090.8	1078.7	1062.4	1023.6	987.8	962.9	961.5	964.0	1004.0
55°	1213.8	1220.2	1219.3	1205.8	1195.6	1152.0	1104.2	1080.7	1074.4	1079.4	1119.1
57.5°	1357.2	1360.4	1364.1	1353.6	1328.5	1289.4	1224.6	1205.2	1194.7	1204.9	1246.7
60°	1516.1	1523.7	1522.8	1517.8	1489.2	1446.3	1357.7	1339.2	1333.3	1338.3	1384.2
62.5°	1683.3	1683.6	1693.1	1682.2	1655.0	1612.3	1511.6	1479.2	1470.7	1474.8	1524.1
65°	1800.2	1801.6	1812.3	1809.8	1788.8	1742.9	1668.7	1614.8	1615.7	1621.0	1666.6
67.5°	1817.1	1818.7	1836.3	1856.6	1836.5	1795.0	1742.7	1710.0	1724.0	1729.4	1763.5
70°	1749.1	1752.5	1773.5	1795.4	1791.3	1759.6	1713.0	1701.6	1715.5	1727.1	1759.4
72.5°	1615.7	1617.6	1633.0	1653.2	1637.2	1609.6	1556.4	1575.6	1573.4	1588.8	1620.5
75°	1371.4	1365.0	1380.8	1386.0	1358.8	1330.3	1286.4	1317.7	1304.2	1317.3	1333.5
77.5°	921.6	915.2	921.3	944.0	924.8	922.0	910.6	945.5	951.2	959.5	960.6
80°	356.2	368.8	401.0	436.8	447.1	474.3	496.2	536.2	562.8	584.8	573.6
82.5°	70.3	77.2	93.4	113.3	135.6	163.0	196.2	230.2	263.3	280.6	266.9
85°	25.6	30.8	39.0	45.9	48.4	52.0	58.2	70.1	81.7	84.0	84.9
87.5°	6.8	11.9	22.2	29.9	30.2	27.2	28.8	30.2	26.5	21.0	28.6
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°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	61.6	57.1	52.5	50.0	49.1	48.2	47.5	47.0
5°	71.2	74.0	70.8	65.1	57.1	52.5	49.3	48.4
7.5°	60.7	60.8	70.1	73.2	65.1	58.2	51.4	50.2
10°	68.5	74.9	81.7	89.3	100.9	91.4	76.9	74.4
12.5°	124.5	105.7	90.6	90.6	102.8	103.9	83.4	80.8
15°	132.2	132.9	138.8	126.0	123.5	134.0	119.6	115.1
17.5°	167.4	165.1	161.0	142.0	132.5	135.9	137.5	132.9
20°	194.6	184.7	229.9	234.3	214.0	214.6	211.2	207.4
22.5°	268.3	270.4	253.9	253.4	237.9	264.9	291.6	280.0
25°	283.4	298.0	347.8	339.8	330.2	316.2	323.3	306.9
27.5°	369.0	359.8	369.5	359.8	385.7	372.9	365.1	361.2
30°	387.7	404.4	414.2	406.7	408.5	406.7	393.4	400.0
32.5°	443.4	435.9	451.0	463.3	471.5	473.4	451.0	464.0
35°	480.4	499.8	498.2	493.9	497.8	505.0	493.2	493.6
37.5°	531.6	536.4	532.5	531.4	533.4	537.5	539.3	532.5
40°	578.4	581.8	578.8	582.9	586.2	588.0	603.5	579.6
42.5°	644.2	639.1	643.4	649.0	647.8	647.6	661.7	648.9
45°	718.1	717.0	713.6	717.2	726.1	712.9	735.2	731.6
47.5°	804.0	803.9	798.0	801.5	815.9	805.8	825.4	831.6
50°	903.8	906.2	889.8	899.0	902.6	904.9	923.8	940.8
52.5°	1015.4	1017.7	994.9	1000.1	997.4	1014.7	1035.5	1061.8
55°	1136.9	1133.0	1104.4	1114.0	1115.2	1145.1	1157.9	1201.0
57.5°	1257.9	1256.8	1237.1	1236.9	1254.5	1285.8	1296.5	1344.9
60°	1391.2	1391.5	1367.3	1372.8	1389.0	1419.6	1460.2	1500.6
62.5°	1529.2	1539.4	1518.7	1502.7	1520.5	1560.0	1621.2	1652.2
65°	1652.7	1673.5	1639.5	1639.2	1618.9	1683.8	1731.2	1769.6
67.5°	1738.1	1740.8	1701.1	1693.6	1682.6	1724.4	1778.3	1799.3
70°	1738.1	1710.3	1671.4	1665.7	1647.4	1663.7	1729.0	1741.3
72.5°	1600.0	1569.8	1516.8	1526.0	1505.2	1528.0	1579.6	1585.6
75°	1312.5	1272.1	1236.0	1250.6	1239.2	1280.5	1325.0	1315.2
77.5°	936.0	886.2	839.1	838.7	839.8	850.1	880.9	866.8
80°	540.0	492.5	447.1	419.0	390.2	367.0	353.2	335.2
82.5°	237.7	191.4	156.4	126.0	107.1	86.6	76.0	65.3
85°	75.1	61.4	52.5	47.9	43.8	41.1	35.6	30.6
87.5°	33.8	33.1	31.1	32.0	32.0	27.6	19.2	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)