

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: P156954

Luminaire Tested: **UTLD-F02-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156954
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4260.7 lumens
Efficiency: N/A
Efficacy: 77.5 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

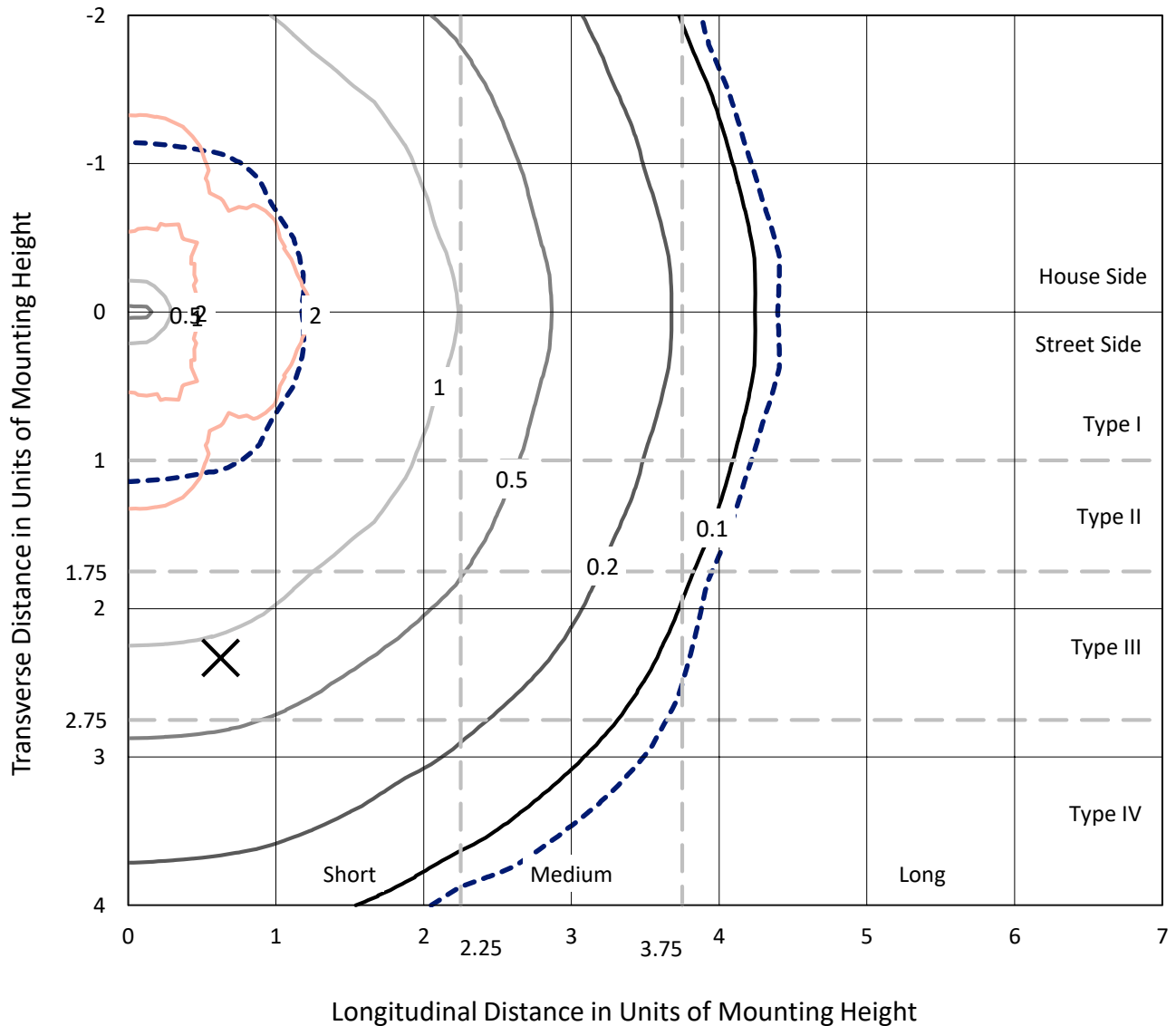


REPORT NUMBER: P156954

CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

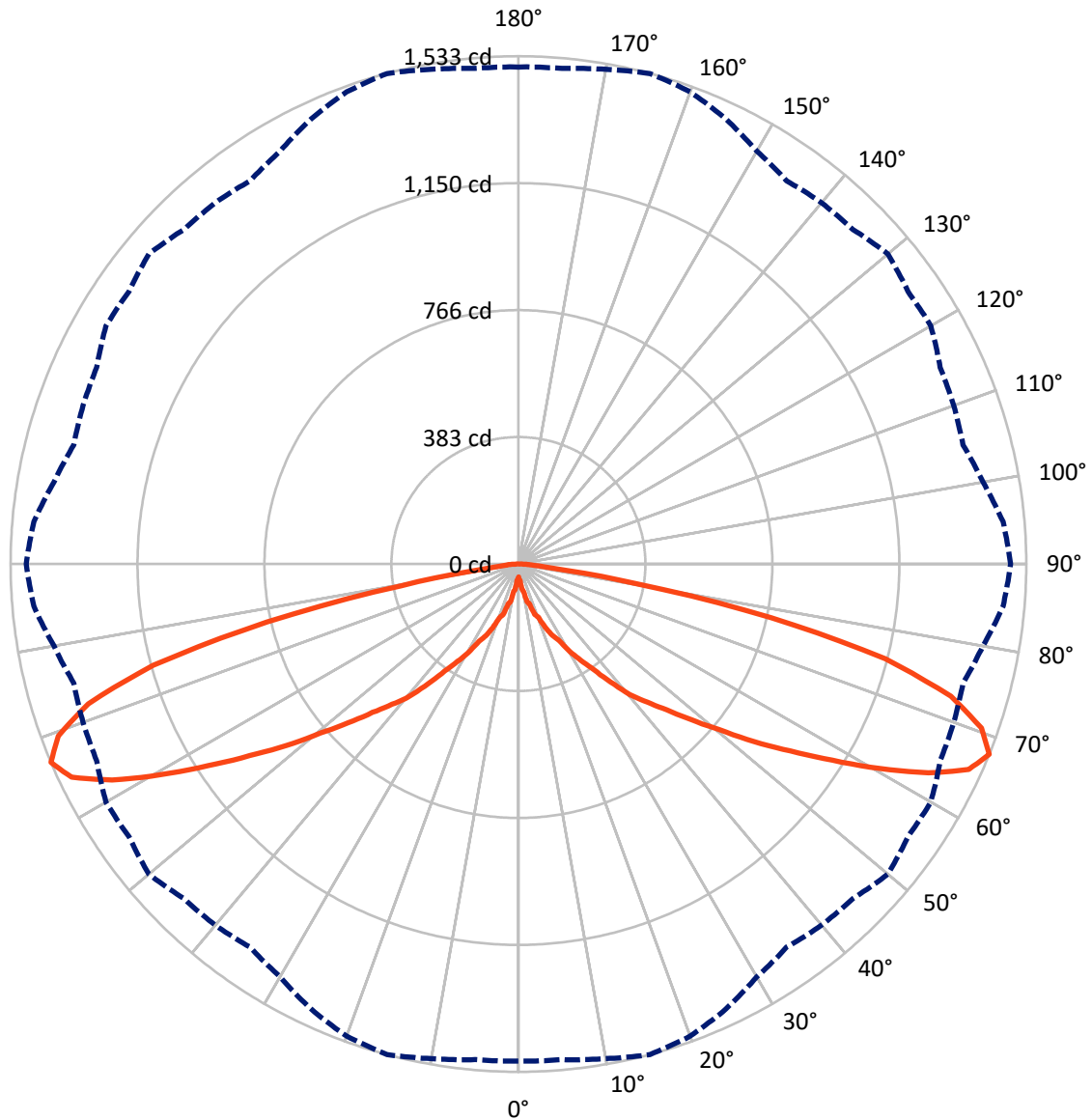


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P156954

CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P156954

CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

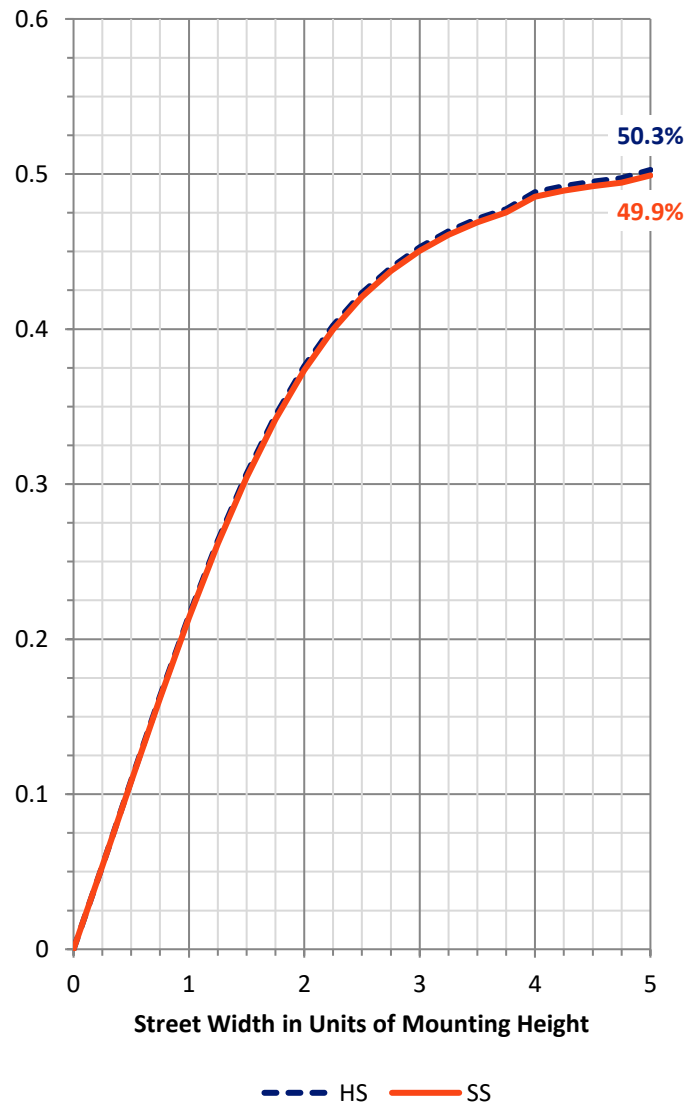
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2130.4	0.0	2130.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2130.4	0.0	2130.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4260.7	0.0	4260.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	35.2	0.8
20°-30°	116.6	2.7
30°-40°	252.1	5.9
40°-50°	471.8	11.1
50°-60°	855.9	20.1
60°-70°	1353.8	31.8
70°-80°	1064.5	25.0
80°-90°	105.2	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°	4260.7	100.0
0°-180°	4260.7	100.0



REPORT NUMBER: P156954

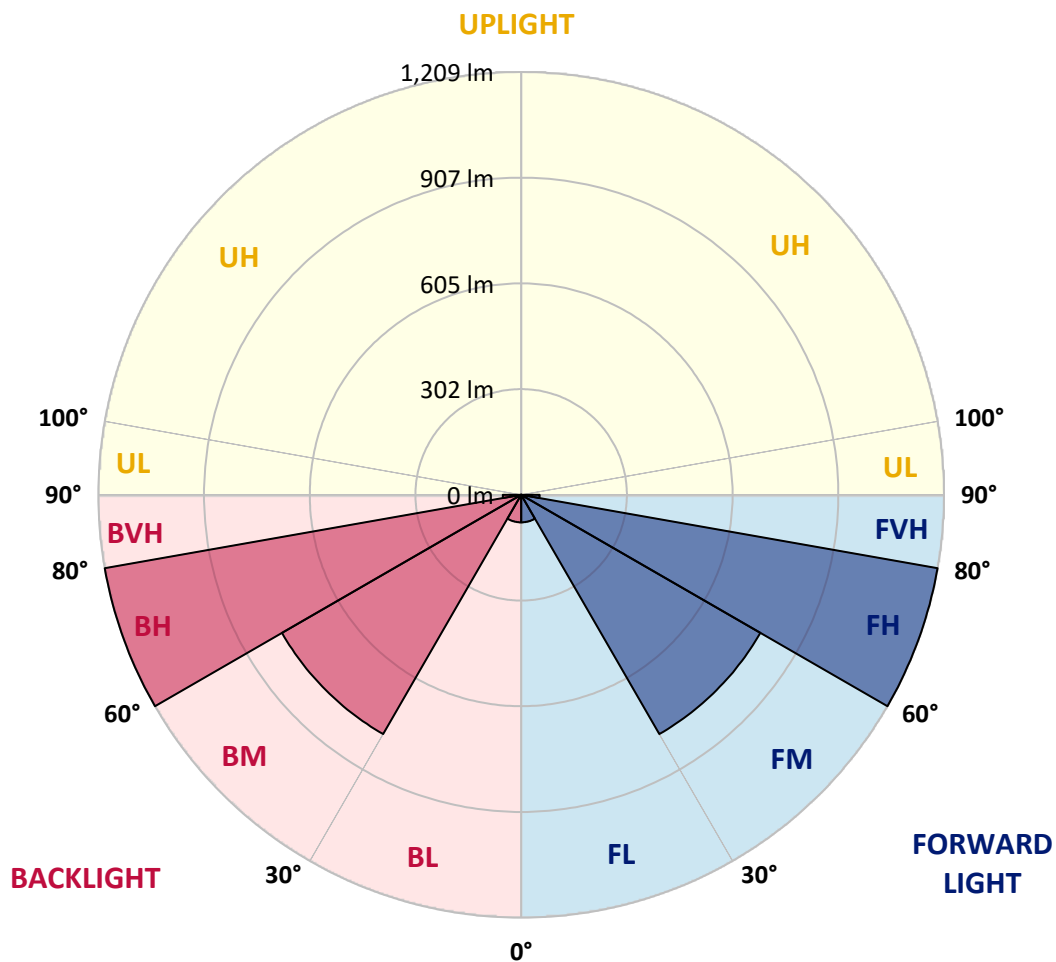
CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.7	1.8			
FM	(30°-60°)	789.9	18.5			
FH	(60°-80°)	1209.1	28.4			G1/1800
FVH	(80°-90°)	52.6	1.2			G1/100
BL	(0°-30°)	78.7	1.8	B0/110		
BM	(30°-60°)	789.9	18.5	B1/1000		
BH	(60°-80°)	1209.1	28.4	B3/2500		G1/1800
BVH	(80°-90°)	52.6	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





REPORT NUMBER: P156954

CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2.5°	61.4	61.2	61.2	61.2	62.0	60.1	57.3	55.2	53.9	53.7	52.4
5°	48.7	48.4	48.5	48.6	48.4	49.0	48.8	50.1	49.9	53.4	57.9
7.5°	78.1	78.4	78.2	77.3	75.4	69.9	65.8	62.4	52.4	51.1	49.6
10°	84.4	84.4	84.4	83.1	83.3	83.3	82.6	81.0	79.9	77.4	66.0
12.5°	116.8	117.2	117.4	116.7	114.2	102.9	99.7	88.8	86.6	101.2	104.4
15°	126.3	126.8	126.5	124.4	123.7	122.4	120.2	129.3	132.1	120.6	112.2
17.5°	161.8	162.3	161.5	160.2	157.0	147.2	150.2	147.4	145.7	143.2	151.6
20°	186.2	187.4	178.9	171.4	166.6	174.2	183.2	179.4	169.5	170.6	175.5
22.5°	212.6	212.6	211.9	207.9	207.9	217.9	201.3	197.9	210.2	195.6	190.2
25°	256.7	255.6	253.4	238.0	233.2	232.0	228.8	235.8	226.2	245.4	256.7
27.5°	273.0	271.8	266.2	261.4	273.7	269.7	265.0	247.1	284.4	266.2	272.2
30°	315.2	315.2	310.3	307.1	309.9	292.0	286.0	307.0	301.0	303.5	330.6
32.5°	370.2	370.6	364.2	346.2	329.9	333.1	330.2	331.8	341.2	338.8	354.6
35°	430.9	415.6	405.2	391.7	382.5	378.3	372.8	360.9	374.8	371.7	388.1
37.5°	466.4	467.8	459.4	451.4	445.4	419.0	407.7	412.4	413.0	405.3	433.7
40°	539.4	540.2	527.8	518.6	508.8	475.2	457.1	452.6	453.7	454.8	474.8
42.5°	587.7	587.8	577.9	569.7	552.7	530.6	512.1	502.9	505.0	502.7	524.2
45°	644.7	645.8	638.1	627.7	609.4	596.8	569.4	563.0	563.8	560.2	584.0
47.5°	717.0	716.8	713.8	702.3	687.2	665.4	646.4	630.6	632.2	630.0	654.6
50°	801.8	801.9	800.0	785.4	776.6	753.4	728.8	709.1	708.2	708.4	736.4
52.5°	896.5	897.6	900.4	890.4	877.1	845.0	815.4	794.9	793.8	795.8	828.8
55°	1002.0	1007.3	1006.6	995.4	987.0	951.0	911.6	892.2	886.9	891.0	923.8
57.5°	1120.4	1123.1	1126.1	1117.4	1096.6	1064.4	1010.9	994.9	986.2	994.7	1029.2
60°	1251.6	1257.8	1257.1	1253.0	1229.4	1194.0	1120.8	1105.6	1100.6	1104.8	1142.7
62.5°	1389.6	1389.8	1397.7	1388.6	1366.2	1331.0	1247.8	1221.1	1214.2	1217.5	1258.2
65°	1486.1	1487.2	1496.1	1494.0	1476.7	1438.8	1377.5	1333.1	1333.8	1338.2	1375.9
67.5°	1500.1	1501.4	1515.9	1532.7	1516.1	1481.8	1438.6	1411.6	1423.2	1427.7	1455.8
70°	1443.9	1446.8	1464.1	1482.2	1478.8	1452.6	1414.1	1404.7	1416.2	1425.8	1452.4
72.5°	1333.8	1335.4	1348.1	1364.7	1351.5	1328.7	1284.8	1300.6	1299.0	1311.6	1337.8
75°	1132.2	1126.8	1139.8	1144.2	1121.8	1098.2	1062.0	1087.8	1076.7	1087.4	1100.8
77.5°	760.8	755.5	760.6	779.2	763.4	761.2	751.7	780.6	785.3	792.1	793.0
80°	294.0	304.4	331.0	360.6	369.1	391.5	409.6	442.6	464.6	482.8	473.5
82.5°	58.0	63.7	77.1	93.5	112.0	134.6	161.9	190.0	217.3	231.7	220.3
85°	21.1	25.4	32.2	37.9	40.0	43.0	48.0	57.8	67.5	69.4	70.1
87.5°	5.6	9.8	18.3	24.7	24.9	22.4	23.8	24.9	21.8	17.3	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P156954

CATALOG NUMBER: UTLD-F02-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2.5°	50.9	47.1	43.4	41.3	40.6	39.8	39.2	38.8
5°	58.8	61.1	58.4	53.7	47.1	43.4	40.7	40.0
7.5°	50.1	50.2	57.9	60.5	53.7	48.1	42.4	41.5
10°	56.6	61.8	67.5	73.7	83.3	75.4	63.5	61.4
12.5°	102.7	87.3	74.8	74.8	84.8	85.8	68.8	66.8
15°	109.2	109.7	114.6	104.0	102.0	110.6	98.8	95.0
17.5°	138.1	136.3	132.9	117.2	109.4	112.2	113.4	109.7
20°	160.6	152.5	189.8	193.4	176.6	177.2	174.4	171.2
22.5°	221.5	223.2	209.6	209.2	196.4	218.6	240.7	231.1
25°	233.9	246.0	287.1	280.5	272.6	261.1	266.9	253.4
27.5°	304.6	297.1	305.0	297.1	318.4	307.8	301.4	298.2
30°	320.0	333.8	341.9	335.7	337.2	335.7	324.8	330.2
32.5°	366.1	359.8	372.3	382.4	389.2	390.8	372.3	383.0
35°	396.6	412.6	411.3	407.7	410.9	417.0	407.2	407.5
37.5°	438.8	442.8	439.6	438.6	440.4	443.8	445.2	439.6
40°	477.4	480.3	477.8	481.2	483.9	485.4	498.2	478.4
42.5°	531.7	527.6	531.2	535.7	534.8	534.6	546.2	535.7
45°	592.8	591.9	589.0	592.1	599.4	588.5	607.0	603.9
47.5°	663.7	663.7	658.8	661.6	673.5	665.2	681.4	686.6
50°	746.1	748.2	734.6	742.1	745.2	747.0	762.7	776.6
52.5°	838.2	840.2	821.2	825.6	823.4	837.7	854.8	876.5
55°	938.5	935.3	911.8	919.7	920.6	945.4	955.8	991.5
57.5°	1038.4	1037.5	1021.3	1021.1	1035.6	1061.4	1070.3	1110.2
60°	1148.5	1148.7	1128.7	1133.2	1146.6	1171.9	1205.4	1238.8
62.5°	1262.4	1270.9	1253.7	1240.5	1255.2	1287.8	1338.4	1364.0
65°	1364.4	1381.5	1353.4	1353.2	1336.4	1389.9	1429.2	1460.8
67.5°	1434.8	1437.1	1404.3	1398.1	1389.0	1423.5	1468.0	1485.4
70°	1434.8	1411.8	1379.8	1375.1	1360.0	1373.4	1427.3	1437.4
72.5°	1320.8	1295.9	1252.2	1259.7	1242.6	1261.4	1304.1	1309.0
75°	1083.5	1050.1	1020.4	1032.4	1023.0	1057.1	1093.8	1085.8
77.5°	772.6	731.6	692.8	692.4	693.3	701.8	727.2	715.5
80°	445.8	406.6	369.1	345.9	322.2	302.9	291.6	276.8
82.5°	196.2	158.0	129.1	104.1	88.4	71.4	62.8	54.0
85°	62.0	50.7	43.4	39.6	36.2	33.9	29.4	25.2
87.5°	27.9	27.3	25.6	26.4	26.4	22.8	15.8	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)