

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: P157106

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157106
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
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-SL4-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4262.8 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - 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

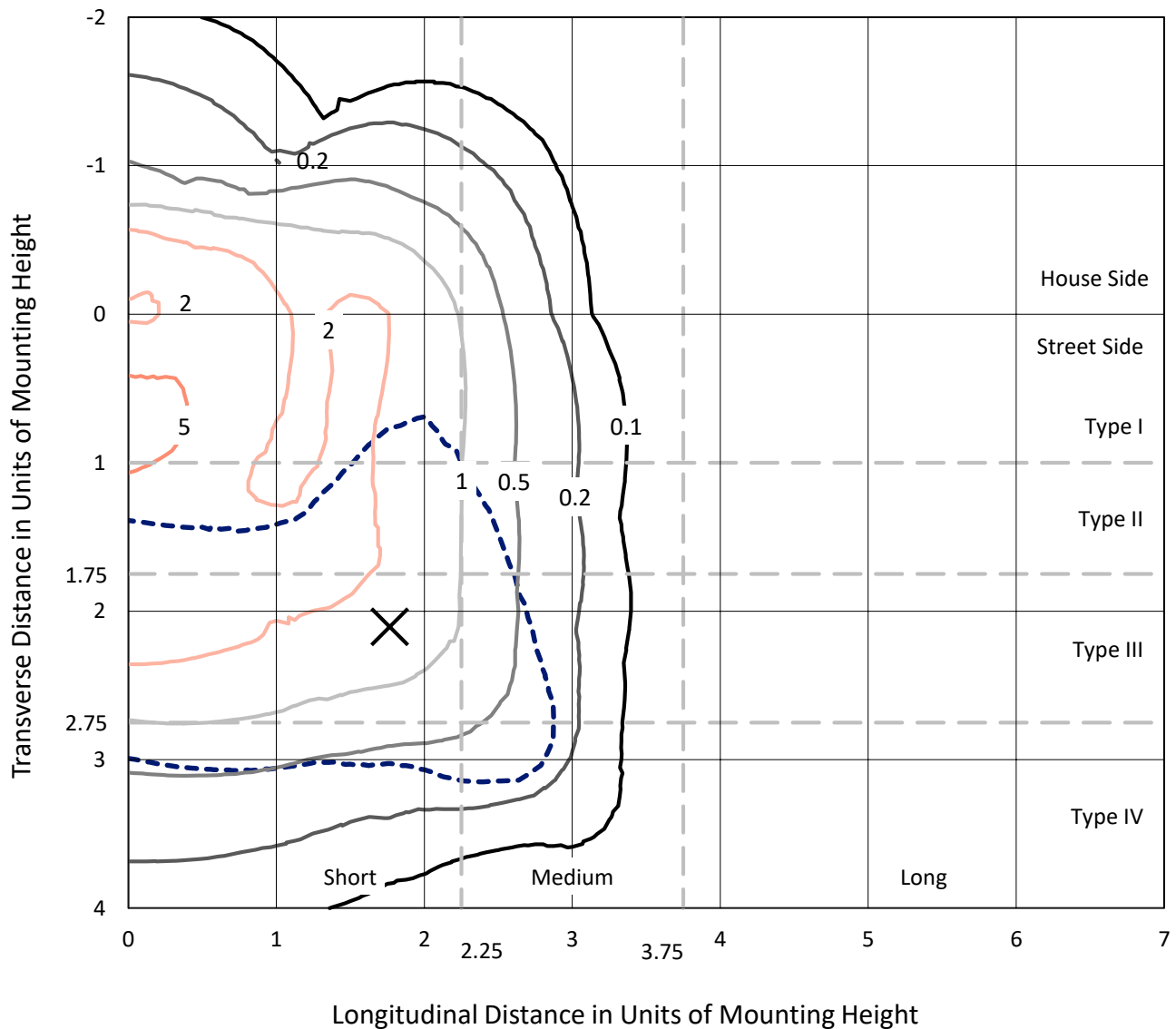


REPORT NUMBER: P157106

CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

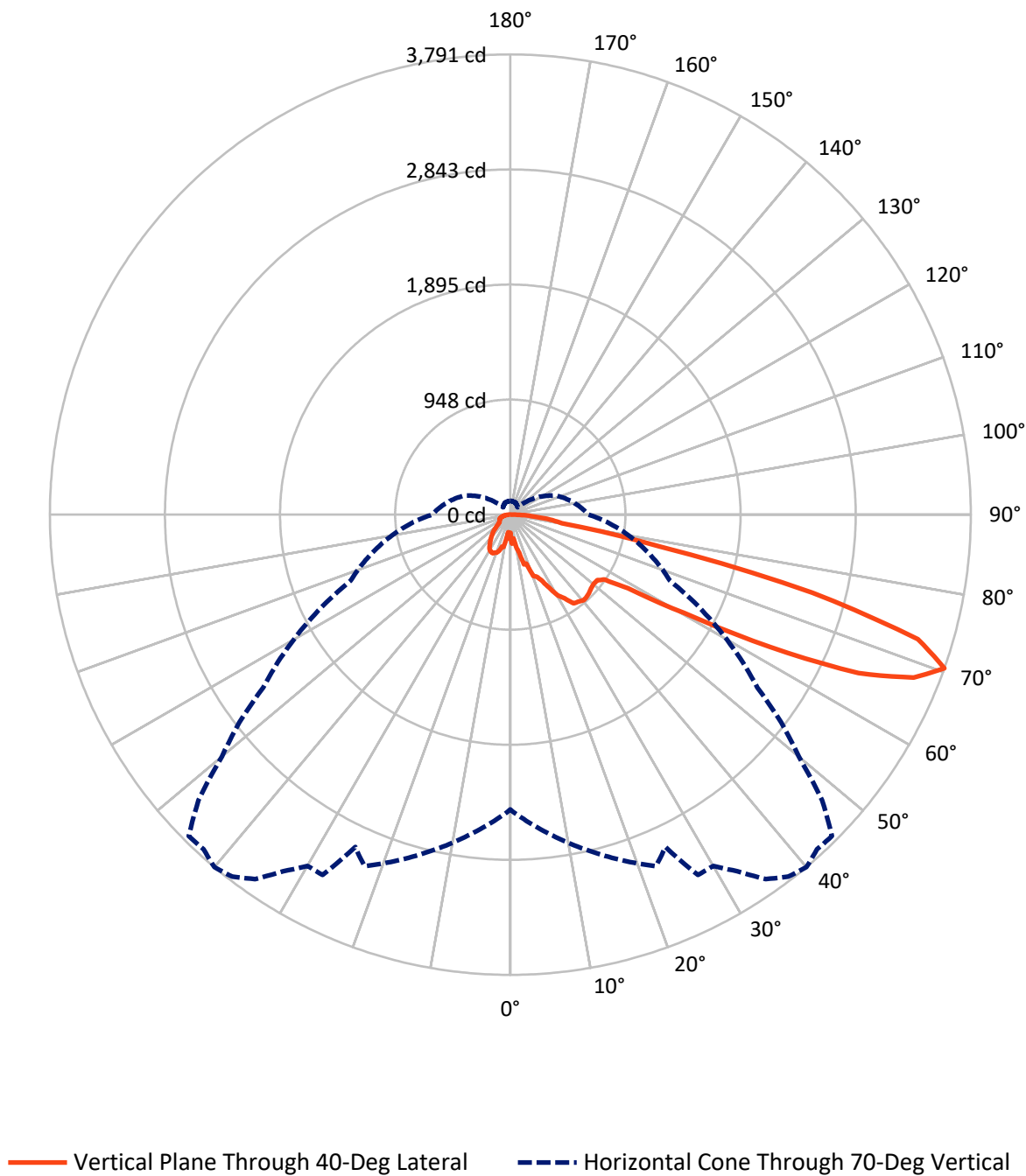


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P157106

CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P157106

CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

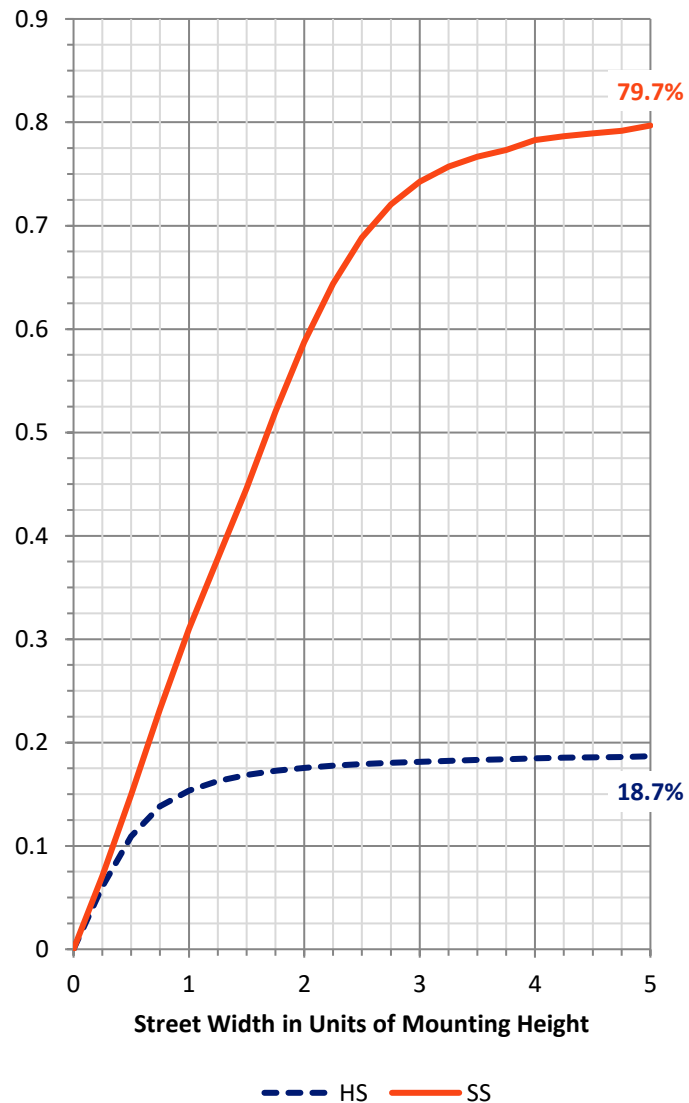
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	807.8	0.0	807.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	3455.0	0.0	3455.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	4262.8	0.0	4262.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.4
10°-20°	95.0	2.2
20°-30°	233.3	5.5
30°-40°	390.4	9.2
40°-50°	494.0	11.6
50°-60°	766.7	18.0
60°-70°	1440.9	33.8
70°-80°	710.7	16.7
80°-90°	112.6	2.6
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°	4262.8	100.0
0°-180°	4262.8	100.0

Coefficient of Utilization



REPORT NUMBER: P157106

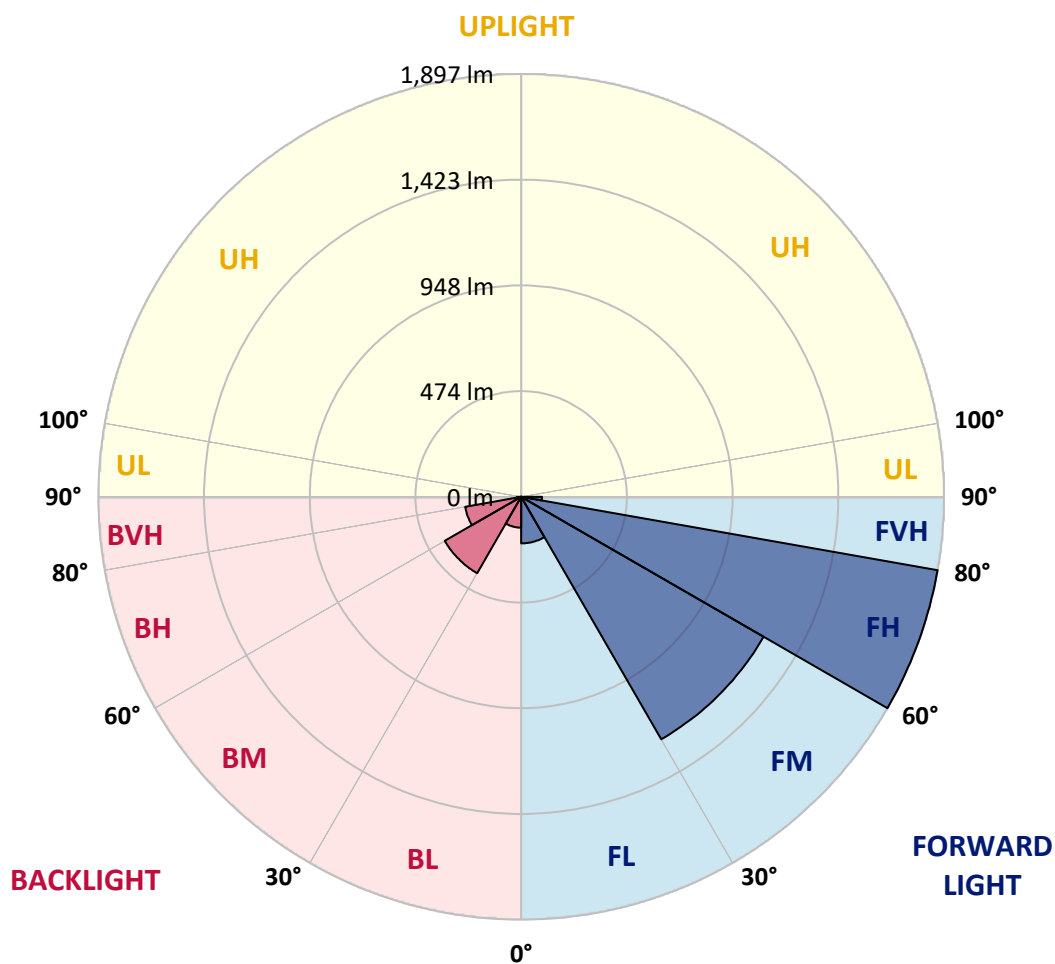
CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.9	4.9			
FM	(30°-60°)	1255.8	29.5			
FH	(60°-80°)	1896.7	44.5			G2/5000
FVH	(80°-90°)	93.6	2.2			G1/100
BL	(0°-30°)	138.5	3.2	B1/500		
BM	(30°-60°)	395.3	9.3	B1/1000		
BH	(60°-80°)	254.9	6.0	B1/500		G1/500
BVH	(80°-90°)	19.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P157106

CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2
2.5°	238.0	232.9	238.0	237.2	241.4	240.6	240.6	238.0	237.2	239.7	238.9
5°	199.9	200.8	196.5	192.3	194.8	194.8	194.8	193.1	192.3	195.7	198.2
7.5°	296.5	297.3	294.8	290.5	296.5	290.5	288.0	272.8	245.7	200.8	198.2
10°	299.9	299.0	293.1	289.7	290.5	290.5	288.9	286.3	275.3	276.1	281.2
12.5°	388.8	388.8	375.3	364.2	369.3	359.2	302.4	291.4	286.3	321.9	354.9
15°	415.1	393.9	381.2	364.2	370.2	374.4	432.0	436.2	445.6	425.2	421.8
17.5°	486.2	487.1	468.4	464.2	514.2	492.2	442.2	436.2	443.9	424.4	421.0
20°	574.3	572.6	515.0	593.0	529.4	526.0	513.3	508.2	528.6	538.7	482.8
22.5°	597.2	598.0	628.5	661.6	609.9	588.7	565.8	565.8	561.6	554.8	526.0
25°	733.6	735.3	651.4	693.8	637.0	662.4	651.4	628.5	610.7	599.7	587.0
27.5°	803.0	792.0	762.4	814.9	781.9	754.7	704.8	660.7	680.2	681.0	661.6
30°	917.4	916.5	893.7	892.0	827.6	794.6	804.7	776.8	759.0	773.4	715.8
32.5°	1094.4	1099.5	950.4	938.6	916.5	912.3	875.9	857.2	818.3	820.8	771.7
35°	1294.3	1296.0	1080.9	1005.5	1018.2	975.0	915.7	900.4	868.3	898.7	829.3
37.5°	1374.0	1372.3	1191.8	1079.2	1059.7	1000.4	972.4	958.9	919.1	909.8	850.5
40°	1504.4	1505.3	1263.0	1112.2	1122.4	1047.0	1023.3	979.2	924.2	928.4	859.8
42.5°	1547.6	1547.6	1284.2	1119.8	1142.7	1076.6	1028.3	980.9	932.6	924.2	869.1
45°	1565.4	1566.2	1274.0	1125.8	1117.3	1070.7	1015.6	973.3	923.3	912.3	861.5
47.5°	1562.9	1562.0	1256.2	1124.1	1107.1	1051.2	1015.6	969.1	913.1	898.7	852.2
50°	1544.2	1545.9	1251.1	1114.8	1119.8	1043.6	1016.5	964.0	913.1	892.0	851.3
52.5°	1563.7	1567.9	1274.0	1119.0	1144.4	1070.7	1025.8	974.1	926.7	897.1	860.6
55°	1994.9	2025.4	1409.5	1191.8	1242.7	1156.3	1081.7	1029.2	975.8	942.8	911.5
57.5°	2836.0	2838.6	1965.2	1506.1	1606.9	1461.2	1326.5	1281.6	1185.9	1142.7	1130.8
60°	3154.5	3165.5	2636.9	2163.4	2371.8	2145.6	1984.7	1898.3	1768.7	1642.5	1615.4
62.5°	3344.3	3351.9	2997.0	2602.2	2889.4	2741.1	2648.8	2637.8	2509.0	2402.3	2346.4
65°	3472.2	3473.0	3252.8	2886.8	3200.3	3068.1	3088.4	3196.0	3165.5	3148.6	3077.4
67.5°	3328.2	3334.1	3383.2	3111.3	3418.8	3335.8	3439.1	3561.1	3573.0	3582.3	3508.6
70°	2426.9	2440.4	3135.0	3019.8	3345.1	3340.9	3482.3	3664.4	3758.5	3790.7	3738.1
72.5°	1538.3	1526.4	2074.5	2218.5	2445.5	2652.2	2919.0	3207.9	3450.1	3509.4	3464.5
75°	1075.8	1072.4	1119.0	1142.7	1329.9	1381.6	1653.5	2083.0	2394.7	2566.6	2574.3
77.5°	682.7	682.7	675.1	637.8	659.9	638.7	652.2	747.1	922.5	1257.1	1326.5
80°	564.2	565.0	501.5	461.7	486.2	481.1	457.4	447.3	435.4	429.5	461.7
82.5°	380.3	374.4	425.2	391.3	404.1	399.0	389.7	378.6	361.7	330.4	302.4
85°	279.5	275.3	260.1	233.8	248.2	245.7	240.6	228.7	220.2	194.0	177.9
87.5°	210.1	208.4	189.7	152.5	160.9	150.8	136.4	122.0	111.8	95.7	83.9
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: P157106

CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-7050

CANDELA DISTRIBUTION (continued):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2
2.5°	238.9	238.9	238.9	233.8	227.9	168.6	146.5	144.8	149.1	208.4	231.3
5°	195.7	192.3	191.4	191.4	193.1	227.9	143.2	146.5	206.7	144.8	144.0
7.5°	195.7	192.3	190.6	188.1	188.1	177.9	139.8	200.8	139.8	162.6	231.3
10°	281.2	272.8	271.1	274.5	267.7	256.7	204.1	213.5	194.8	230.4	231.3
12.5°	354.1	354.1	352.4	360.9	356.6	251.6	223.6	206.7	282.1	243.1	309.2
15°	381.2	353.2	359.2	357.5	349.8	365.1	276.1	260.9	267.7	282.9	298.2
17.5°	433.7	464.2	482.0	460.0	402.4	382.0	332.9	266.8	305.8	322.7	362.5
20°	466.7	462.5	475.2	455.7	431.2	438.8	399.0	388.0	332.9	320.2	332.9
22.5°	510.8	515.9	541.3	510.8	499.8	504.0	453.2	398.1	324.4	383.7	363.4
25°	566.7	585.3	598.9	583.6	542.1	595.5	506.6	471.0	351.5	340.5	369.3
27.5°	650.6	651.4	645.5	626.8	616.7	622.6	567.5	448.1	351.5	325.3	319.3
30°	698.0	705.6	731.9	687.8	673.4	676.8	575.2	484.5	354.9	284.6	300.7
32.5°	792.0	767.5	752.2	699.7	730.2	679.4	639.5	506.6	340.5	265.1	266.8
35°	811.5	804.7	813.2	738.6	742.0	738.6	620.1	515.9	315.1	232.1	210.9
37.5°	853.0	832.7	820.0	777.6	789.5	721.7	621.8	510.8	297.3	191.4	171.1
40°	859.8	862.3	853.9	784.4	796.3	701.4	608.2	501.5	277.8	155.0	157.6
42.5°	878.4	859.8	844.5	784.4	797.9	692.9	619.2	493.8	250.7	133.8	147.4
45°	870.8	853.0	836.1	782.7	790.3	694.6	631.1	487.1	222.8	125.4	147.4
47.5°	861.5	846.2	825.1	786.1	789.5	709.0	653.9	483.7	188.9	124.5	148.2
50°	864.0	847.1	826.7	797.1	796.3	720.9	677.7	501.5	152.5	125.4	146.5
52.5°	874.2	855.5	832.7	809.8	807.3	773.4	803.9	517.6	123.7	125.4	144.0
55°	936.0	914.8	903.0	909.8	907.2	1005.5	1169.8	535.4	106.7	124.5	140.6
57.5°	1191.8	1177.4	1185.9	1236.7	1248.6	1410.4	1506.1	559.1	100.0	122.8	137.2
60°	1708.6	1720.4	1689.9	1736.5	1711.9	1703.5	1654.3	604.8	95.7	120.3	133.8
62.5°	2384.5	2344.7	2236.3	2227.0	2136.3	1868.6	1673.8	616.7	93.2	117.7	129.6
65°	3078.3	2919.9	2697.9	2613.2	2452.3	1952.5	1579.8	573.5	91.5	116.0	123.7
67.5°	3538.2	3331.5	3027.4	2848.7	2607.3	1867.8	1216.4	496.4	88.9	112.7	116.9
70°	3744.1	3480.6	3099.4	2811.4	2483.6	1423.1	643.8	407.4	84.7	107.6	113.5
72.5°	3453.5	3199.4	2738.6	2382.0	1932.2	882.7	327.8	291.4	78.8	99.1	112.7
75°	2463.3	2181.2	1706.9	1388.4	1042.8	400.7	185.5	138.1	70.3	89.8	111.0
77.5°	1232.5	988.5	691.2	547.2	429.5	207.5	82.2	68.6	61.0	79.6	93.2
80°	437.1	404.1	368.5	350.7	302.4	111.0	57.6	55.1	53.4	66.1	67.8
82.5°	288.9	269.4	247.3	232.1	186.4	77.1	44.9	47.4	44.0	54.2	46.6
85°	166.0	157.6	140.6	123.7	100.8	58.4	38.1	40.7	30.5	41.5	29.6
87.5°	77.9	73.7	69.5	64.4	57.6	42.4	21.2	38.1	19.5	26.3	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)