

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: P695855

Luminaire Tested: **LXF.LXT-PA16-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6219 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

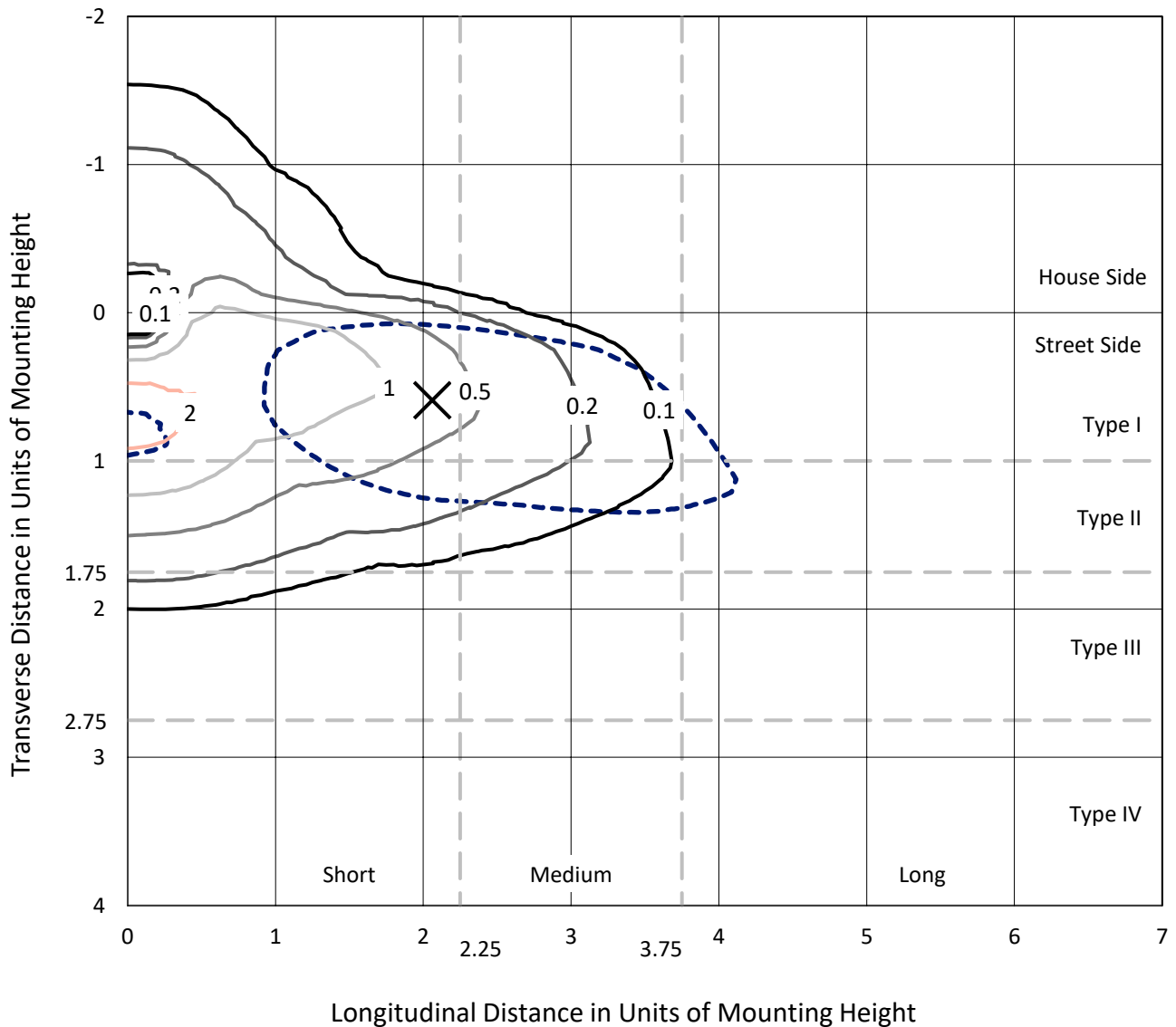
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695855
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

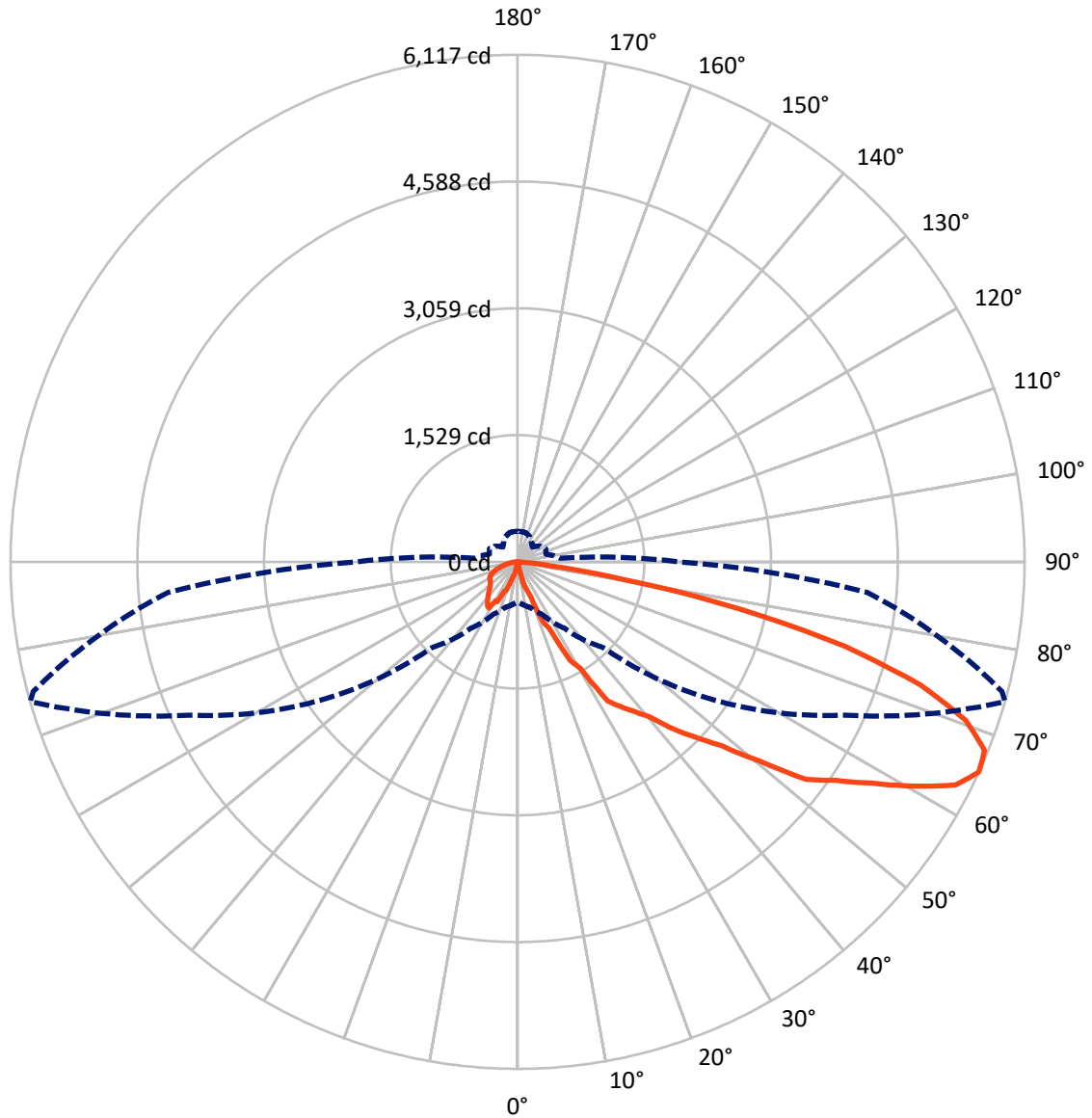
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

REPORT NUMBER: P695855
CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695855
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

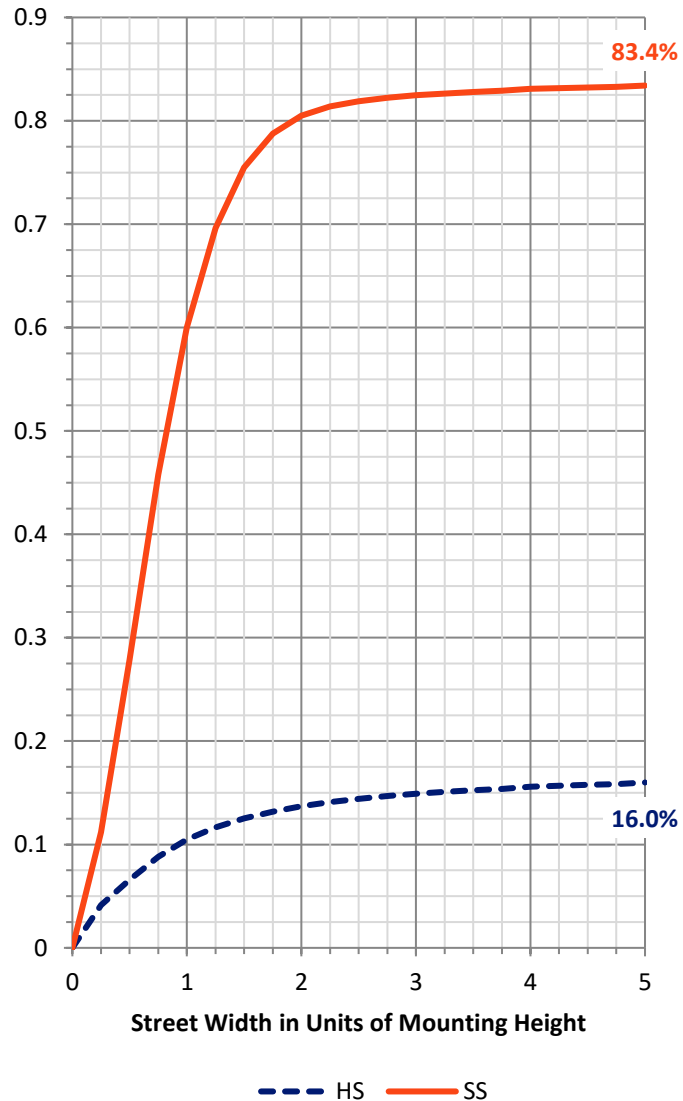
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.1	0.0	1019.1
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	5199.9	0.0	5199.9
	% Fixture	83.6	0.0	83.6
Total	Lumens	6219.0	0.0	6219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	60.8	1.0
20°-30°	366.7	5.9
30°-40°	888.0	14.3
40°-50°	1244.6	20.0
50°-60°	1470.3	23.6
60°-70°	1348.4	21.7
70°-80°	730.5	11.7
80°-90°	109.5	1.8
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°	6219.0	100.0
0°-180°	6219.0	100.0

Coefficient of Utilization



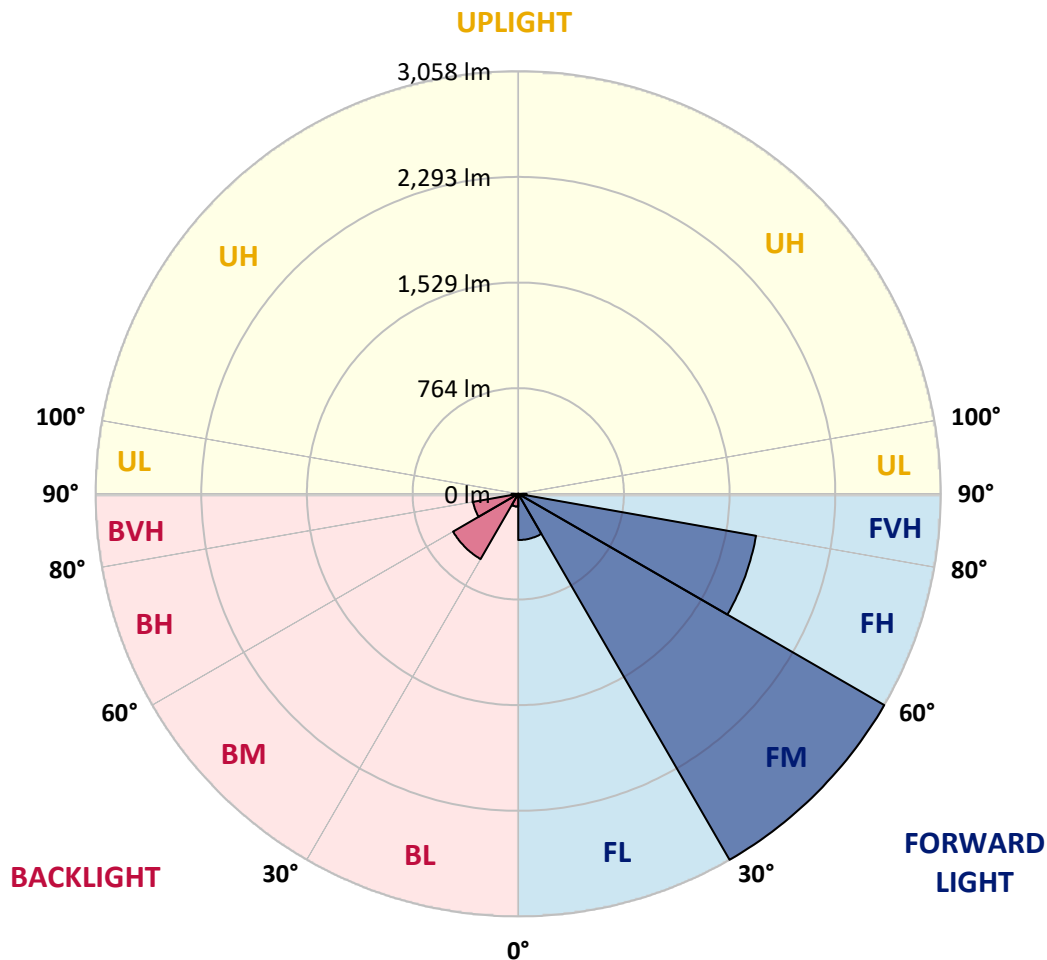
REPORT NUMBER: P695855
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.5	5.4			
FM (30°-60°)	3057.8	49.2			
FH (60°-80°)	1747.1	28.1			G1/1800
FVH (80°-90°)	60.6	1.0			G1/100
BL (0°-30°)	93.2	1.5	B0/110		
BM (30°-60°)	545.0	8.8	B1/1000		
BH (60°-80°)	331.8	5.3	B1/500		G1/500
BVH (80°-90°)	49.0	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P695855
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10°	30.4	28.2	21.7	13.0	6.5	2.2	2.2	2.2	2.2	2.2	2.2
12.5°	373.8	373.8	369.4	339.0	43.5	15.2	4.3	10.9	21.7	26.1	28.2
15°	423.7	419.4	419.4	415.0	404.2	93.4	41.3	326.0	297.7	289.0	221.6
17.5°	654.1	738.8	502.0	467.2	454.2	373.8	356.4	384.6	341.2	334.6	256.4
20°	995.2	995.2	988.7	977.9	528.0	728.0	684.5	441.1	447.6	538.9	510.7
22.5°	1112.6	1108.2	1086.5	1071.3	1151.7	788.8	743.2	810.5	791.0	784.5	599.8
25°	1786.2	1766.7	1736.3	1221.2	1260.4	1108.2	1103.9	1036.5	886.6	871.4	688.9
27.5°	1953.6	1938.3	1912.3	1742.8	1440.7	1455.9	1156.1	1243.0	1342.9	1351.6	1034.4
30°	2785.8	2761.9	2462.0	1931.8	1825.3	1586.3	1614.6	1575.4	1486.4	1451.6	1116.9
32.5°	2974.9	2961.8	2905.3	2520.7	1984.0	1879.7	1808.0	1738.4	2005.7	1960.1	1571.1
35°	3124.8	3100.9	3044.4	2616.3	2425.1	2183.9	1975.3	2186.1	2147.0	2103.5	1655.8
37.5°	3207.4	3181.3	3124.8	2722.8	2542.4	2292.5	2342.5	2318.6	2292.5	2275.2	1747.1
40°	3192.2	3170.5	3135.7	2792.3	2614.2	2359.9	2520.7	2483.8	2462.0	2553.3	1860.1
42.5°	3120.5	3098.7	3074.8	2827.1	2655.4	2409.9	2670.7	2720.6	2761.9	2744.5	1986.2
45°	2972.7	2953.1	2953.1	2792.3	2633.7	2451.2	2801.0	2964.0	3022.7	2957.5	2149.1
47.5°	2818.4	2803.2	2805.4	2696.7	2592.4	2490.3	2961.8	3161.8	3316.0	3237.8	2383.8
50°	2605.5	2598.9	2631.5	2605.5	2542.4	2494.6	3137.9	3489.9	3776.7	3750.7	2740.2
52.5°	2292.5	2296.9	2388.2	2446.8	2442.5	2464.2	3220.4	3805.0	4359.1	4289.6	3014.0
55°	2023.1	2007.9	2081.8	2216.5	2262.1	2412.1	3266.1	3889.7	4656.8	4589.4	3246.5
57.5°	1684.1	1686.3	1768.8	1907.9	2031.8	2290.4	3305.2	4044.0	5039.3	4961.0	3570.3
60°	1260.4	1303.8	1395.1	1536.3	1716.7	2088.3	3298.7	4254.8	5497.8	5447.8	3941.9
62.5°	823.6	838.8	967.0	1106.1	1384.2	1827.5	3185.7	4406.9	5932.4	5841.1	4187.4
65°	480.2	508.5	567.2	699.7	975.7	1462.4	2914.0	4376.5	6117.1	6049.7	4233.1
67.5°	323.8	328.1	356.4	432.4	610.6	1051.7	2459.9	4089.6	6075.8	6014.9	4107.0
70°	271.6	273.8	282.5	291.2	352.0	680.2	1784.1	3518.1	5736.8	5691.2	3800.6
72.5°	243.4	245.6	249.9	243.4	247.7	393.3	1171.3	2918.4	5082.7	5026.2	3292.1
75°	221.6	221.6	221.6	217.3	210.8	241.2	651.9	2240.4	4085.3	3965.8	2503.3
77.5°	193.4	193.4	191.2	191.2	189.1	180.4	319.4	1582.0	2746.7	2629.4	1477.7
80°	158.6	158.6	158.6	160.8	158.6	134.7	171.7	951.8	1329.9	1303.8	571.5
82.5°	95.6	97.8	110.8	128.2	126.0	95.6	115.2	439.0	404.2	380.3	178.2
85°	13.0	10.9	30.4	43.5	52.2	34.8	47.8	100.0	93.4	97.8	43.5
87.5°	0.0	0.0	0.0	2.2	2.2	4.3	6.5	6.5	6.5	6.5	6.5
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: P695855
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	0.0
5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	34.8	32.6	21.7	8.7	0.0	0.0	0.0	0.0	0.0	2.2	2.2
15°	197.7	180.4	165.2	139.1	28.2	4.3	2.2	15.2	34.8	78.2	80.4
17.5°	226.0	204.3	184.7	171.7	154.3	45.6	32.6	158.6	167.3	167.3	167.3
20°	436.8	386.8	267.3	193.4	167.3	139.1	152.1	171.7	178.2	180.4	180.4
22.5°	502.0	434.6	375.9	330.3	193.4	239.0	223.8	186.9	293.4	302.1	304.2
25°	571.5	491.1	397.7	345.5	328.1	245.6	256.4	289.0	310.7	310.7	310.7
27.5°	838.8	686.7	554.1	397.7	352.0	299.9	315.1	297.7	321.6	393.3	406.4
30°	897.5	717.1	551.9	443.3	373.8	349.9	315.1	389.0	417.2	417.2	415.0
32.5°	1225.6	938.7	682.3	441.1	404.2	345.5	378.1	402.0	421.6	449.8	460.7
35°	1275.6	936.6	656.3	508.5	397.7	362.9	384.6	428.1	499.8	510.7	504.1
37.5°	1314.7	919.2	617.1	484.6	428.1	378.1	395.5	469.4	502.0	497.6	488.9
40°	1360.3	895.3	573.7	467.2	412.9	378.1	421.6	467.2	480.2	460.7	456.3
42.5°	1416.8	864.9	534.6	445.5	397.7	375.9	417.2	441.1	441.1	436.8	432.4
45°	1495.0	836.6	497.6	421.6	391.1	367.2	406.4	406.4	432.4	428.1	425.9
47.5°	1631.9	808.4	465.0	402.0	382.5	356.4	378.1	393.3	423.7	421.6	419.4
50°	1779.7	777.9	439.0	389.0	373.8	343.3	345.5	380.3	415.0	412.9	410.7
52.5°	1873.2	723.6	419.4	384.6	365.1	330.3	334.6	369.4	408.5	404.2	399.8
55°	1942.7	675.8	406.4	382.5	356.4	299.9	326.0	360.7	399.8	393.3	389.0
57.5°	2038.3	636.7	397.7	386.8	349.9	278.1	315.1	352.0	391.1	384.6	384.6
60°	2131.7	604.1	389.0	389.0	347.7	267.3	306.4	345.5	382.5	380.3	380.3
62.5°	2129.6	565.0	373.8	386.8	345.5	258.6	299.9	339.0	373.8	375.9	373.8
65°	1944.9	515.0	352.0	373.8	330.3	252.1	291.2	339.0	365.1	367.2	367.2
67.5°	1710.2	452.0	317.3	352.0	304.2	247.7	284.7	332.5	349.9	360.7	360.7
70°	1442.9	371.6	273.8	321.6	278.1	243.4	284.7	321.6	332.5	354.2	352.0
72.5°	1182.1	293.4	228.2	280.3	249.9	239.0	286.8	306.4	310.7	339.0	330.3
75°	899.6	221.6	182.5	228.2	215.1	234.7	282.5	284.7	282.5	291.2	278.1
77.5°	584.5	167.3	147.8	173.8	178.2	223.8	273.8	258.6	245.6	239.0	232.5
80°	267.3	119.5	113.0	134.7	132.6	206.4	258.6	230.3	210.8	199.9	191.2
82.5°	108.7	78.2	78.2	97.8	91.3	180.4	232.5	197.7	173.8	165.2	160.8
85°	30.4	32.6	34.8	52.2	54.3	139.1	186.9	154.3	126.0	186.9	171.7
87.5°	4.3	4.3	4.3	6.5	6.5	8.7	26.1	34.8	45.6	19.6	17.4
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)