

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: P416750

Luminaire Tested: **LXF.LXT-PA1-80-740-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9197 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

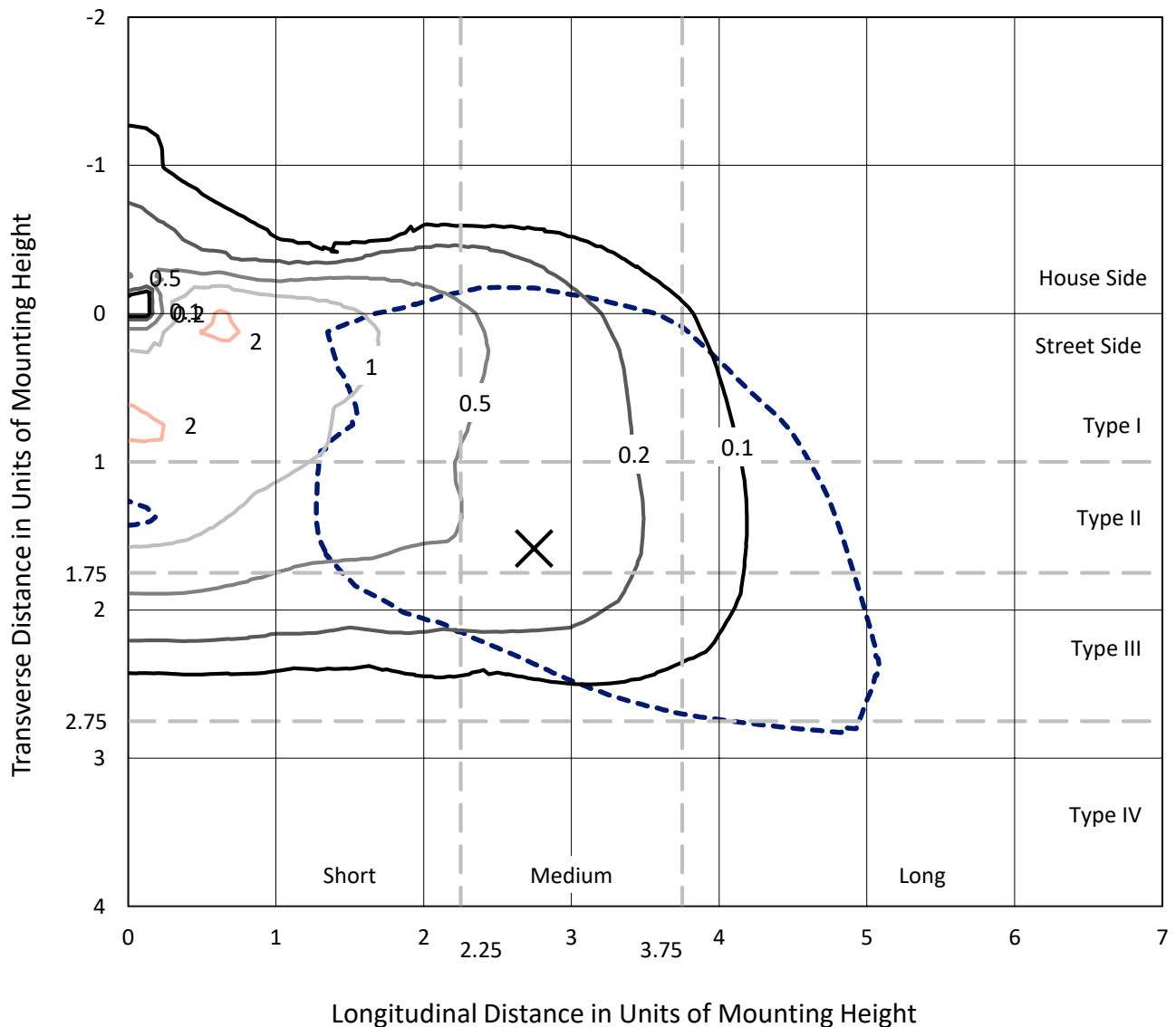
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416750
 CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

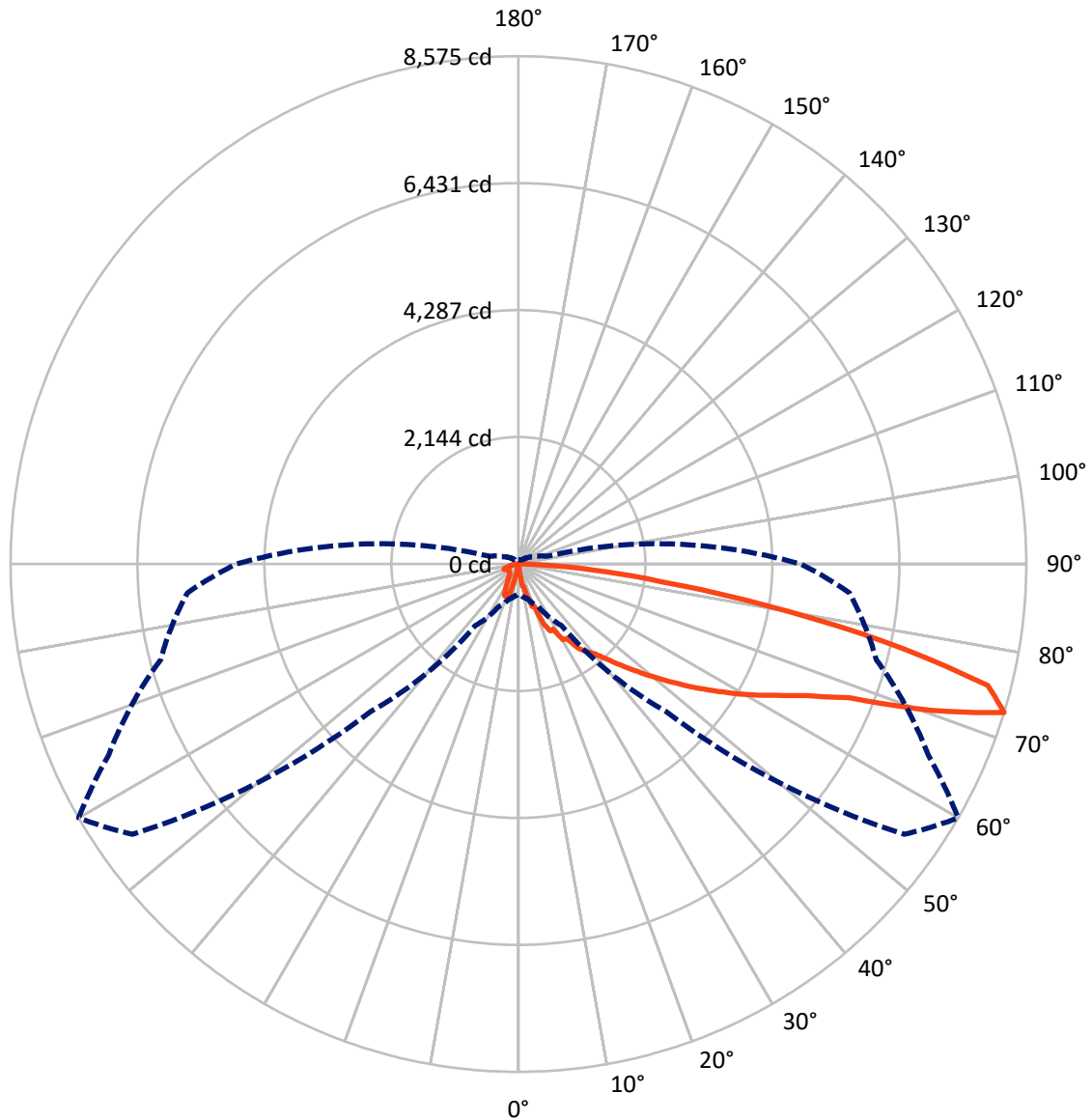
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P416750
CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P416750

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3

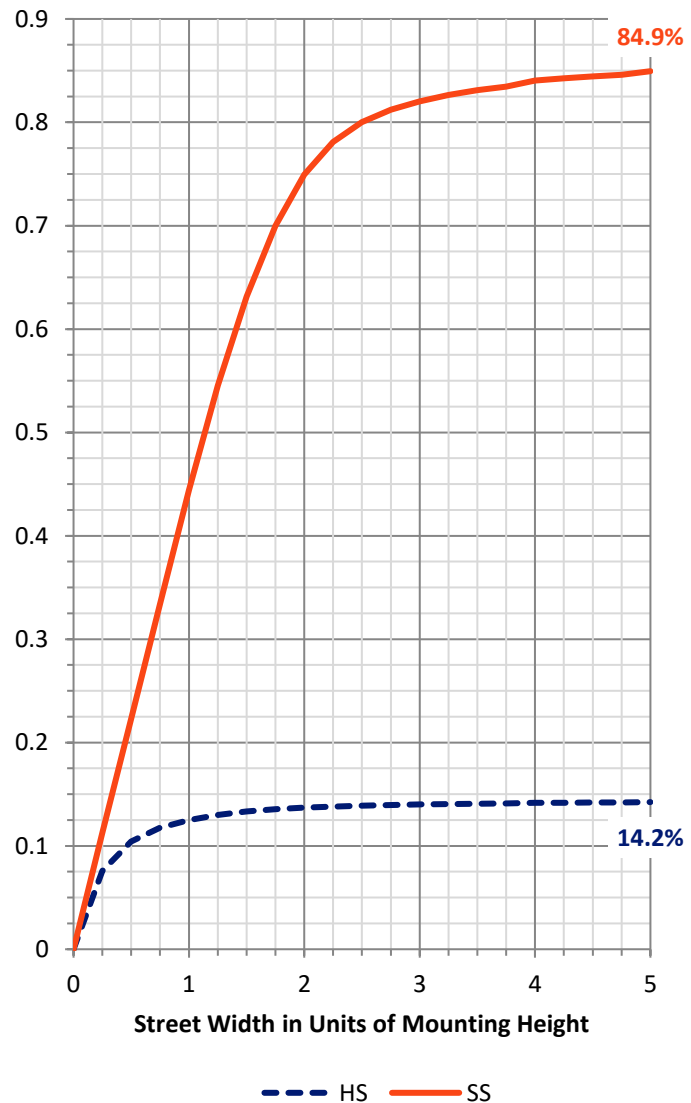
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.5	0.0	1324.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7872.5	0.0	7872.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	9197.0	0.0	9197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	134.1	1.5
20°-30°	403.8	4.4
30°-40°	798.6	8.7
40°-50°	1322.8	14.4
50°-60°	1976.1	21.5
60°-70°	2350.7	25.6
70°-80°	1881.9	20.5
80°-90°	319.4	3.5
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°	9197.0	100.0
0°-180°	9197.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416750

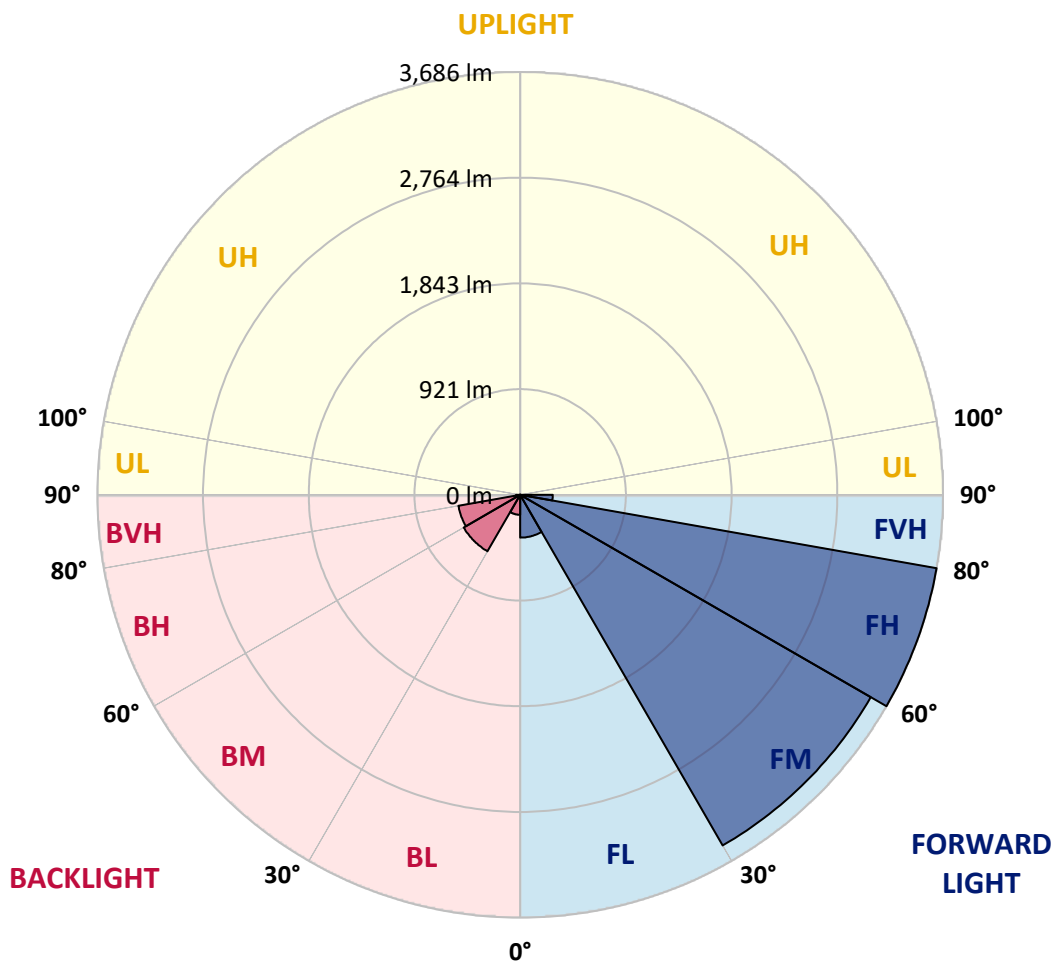
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.3	4.1			
FM	(30°-60°)	3529.2	38.4			
FH	(60°-80°)	3685.9	40.1			G2/5000
FVH	(80°-90°)	284.2	3.1			G3/500
BL	(0°-30°)	174.3	1.9	B1/500		
BM	(30°-60°)	568.3	6.2	B1/1000		
BH	(60°-80°)	546.7	5.9	B2/1000		G2/1000
BVH	(80°-90°)	35.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P416750

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.0	5.0	6.0	7.0	7.0	6.0	5.0	5.0	5.0	4.0	5.0
5°	343.7	173.3	116.2	55.1	41.1	20.0	8.0	6.0	6.0	5.0	5.0
7.5°	394.8	394.8	395.8	399.8	402.8	404.8	50.1	26.1	10.0	5.0	5.0
10°	380.7	377.7	379.7	383.7	387.7	393.8	400.8	380.7	45.1	8.0	6.0
12.5°	703.4	701.4	677.3	412.8	382.7	382.7	392.8	393.8	309.6	30.1	29.1
15°	678.3	677.3	680.3	687.3	698.3	395.8	401.8	585.1	762.5	537.0	624.2
17.5°	697.3	689.3	671.3	667.3	677.3	636.2	748.4	757.5	774.5	617.2	632.2
20°	956.8	953.8	953.8	803.6	662.3	925.8	878.7	758.5	778.5	892.7	1118.2
22.5°	953.8	948.8	941.8	940.8	1079.1	900.7	914.8	1097.1	1141.2	1308.5	1263.4
25°	1296.5	1283.5	1087.1	947.8	1072.1	1008.9	1222.4	1254.4	1160.2	1357.6	1292.5
27.5°	1407.7	1382.7	1320.6	1210.3	1080.1	1226.4	1220.4	1246.4	1279.5	1855.6	1776.4
30°	1911.7	1793.5	1460.8	1405.7	1291.5	1241.4	1390.7	1481.9	1616.1	1817.5	1850.6
32.5°	2139.1	2096.0	1933.7	1730.3	1508.9	1340.6	1520.9	1497.9	1628.1	2209.3	2372.6
35°	2630.1	2577.0	2132.1	1948.8	1754.4	1643.2	1564.0	1749.4	1909.7	2297.4	2417.7
37.5°	2726.3	2714.2	2611.0	2282.4	2021.9	1806.5	1830.5	1880.6	1984.8	2420.7	2544.9
40°	2801.4	2802.4	2832.5	2548.9	2268.4	2069.0	1996.9	1997.9	2087.0	2623.1	2708.2
42.5°	2999.8	3007.8	3089.0	2786.4	2567.0	2375.6	2250.3	2195.2	2263.4	2855.5	2908.6
45°	3357.5	3339.4	3408.6	3030.9	2791.4	2627.1	2526.9	2442.7	2478.8	3103.0	3164.1
47.5°	3807.4	3769.3	3746.2	3335.4	3035.9	2894.6	2801.4	2713.2	2724.3	3339.4	3456.7
50°	4155.0	4136.0	4016.8	3565.9	3246.3	3164.1	3125.0	3015.8	2968.7	3603.0	3791.3
52.5°	4303.3	4285.3	4138.0	3740.2	3412.6	3421.6	3489.7	3347.5	3215.2	3888.5	4109.9
55°	4277.3	4262.2	4165.0	3826.4	3532.8	3670.1	3848.4	3706.2	3534.8	4158.0	4434.6
57.5°	4084.9	4091.9	4090.9	3832.4	3625.0	3903.5	4199.1	4076.9	3873.5	4425.5	4698.1
60°	3660.1	3697.1	3835.4	3789.3	3742.2	4124.0	4539.8	4482.7	4267.2	4719.1	4941.5
62.5°	2931.7	3004.8	3307.4	3553.9	3836.4	4432.6	4872.4	4879.4	4675.0	4946.6	5129.9
65°	1977.8	1971.8	2422.7	3033.9	3725.2	4917.5	5369.4	5355.3	5052.8	5206.1	5407.4
67.5°	1099.1	1123.2	1418.7	2007.9	3297.4	5218.1	6323.2	6022.6	5573.8	5601.8	5797.2
70°	680.3	709.4	808.6	1122.2	2111.1	4867.4	7548.6	7408.3	6536.6	6126.8	5954.5
72.5°	517.0	533.0	613.2	795.5	1270.5	3520.8	7955.4	8574.6	7634.7	6256.1	5611.8
75°	308.6	327.6	436.8	687.3	1059.0	1822.5	6897.3	8181.8	7983.4	6173.9	4897.5
77.5°	192.4	197.4	235.5	479.9	975.9	1147.2	4725.1	6337.2	6506.6	5229.1	3460.7
80°	147.3	148.3	162.3	255.5	788.5	1086.1	2736.3	4232.2	4148.0	2792.4	1359.6
82.5°	93.2	99.2	126.2	156.3	374.7	1059.0	1617.1	2409.7	2121.1	755.5	378.7
85°	47.1	53.1	89.2	107.2	181.4	1147.2	1147.2	1235.4	868.7	253.5	143.3
87.5°	8.0	8.0	12.0	28.1	36.1	194.4	320.6	279.5	184.4	34.1	28.1
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: P416750

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.0	5.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0
5°	5.0	5.0	5.0	4.0	3.0	2.0	1.0	1.0	2.0	3.0	3.0
7.5°	5.0	5.0	5.0	4.0	3.0	3.0	2.0	4.0	9.0	117.2	79.2
10°	6.0	6.0	6.0	5.0	4.0	11.0	342.7	361.7	362.7	360.7	356.7
12.5°	32.1	35.1	26.1	9.0	37.1	343.7	329.6	313.6	307.6	300.6	300.6
15°	633.2	625.2	590.1	434.8	266.5	306.6	275.5	254.5	394.8	389.8	393.8
17.5°	635.2	621.2	571.1	622.2	577.1	275.5	312.6	339.7	320.6	313.6	316.6
20°	1205.3	1140.2	579.1	580.1	495.0	488.9	265.5	250.5	253.5	259.5	261.5
22.5°	1227.4	1152.2	888.7	751.5	424.8	391.8	271.5	217.4	321.6	357.7	361.7
25°	1237.4	1143.2	839.6	665.3	479.9	293.6	262.5	238.5	293.6	329.6	331.6
27.5°	1749.4	1585.1	1147.2	565.1	370.7	257.5	245.5	224.4	263.5	326.6	327.6
30°	1734.3	1541.0	1063.1	547.1	286.6	237.5	212.4	234.5	248.5	265.5	265.5
32.5°	2255.4	1977.8	1179.3	440.9	240.5	197.4	200.4	213.4	214.4	253.5	256.5
35°	2256.4	1934.7	1016.0	402.8	206.4	180.3	183.4	197.4	218.4	243.5	247.5
37.5°	2291.4	1915.7	875.7	313.6	206.4	180.3	174.3	188.4	203.4	238.5	242.5
40°	2365.6	1923.7	742.4	260.5	199.4	177.3	172.3	183.4	201.4	221.4	223.4
42.5°	2491.8	1968.8	616.2	235.5	194.4	177.3	165.3	173.3	183.4	224.4	228.4
45°	2692.2	2065.0	519.0	225.4	192.4	170.3	157.3	159.3	166.3	265.5	276.5
47.5°	2926.7	2198.2	434.8	220.4	189.4	163.3	145.3	147.3	163.3	301.6	316.6
50°	3197.2	2395.6	384.7	219.4	186.4	153.3	136.3	147.3	180.3	300.6	307.6
52.5°	3514.8	2596.0	357.7	223.4	184.4	144.3	141.3	165.3	171.3	241.5	241.5
55°	3800.3	2818.4	359.7	226.4	178.3	144.3	145.3	140.3	135.3	166.3	167.3
57.5°	4080.9	3039.9	392.8	220.4	169.3	145.3	125.2	115.2	117.2	141.3	144.3
60°	4324.4	3253.3	492.0	207.4	161.3	131.3	116.2	108.2	110.2	142.3	145.3
62.5°	4586.9	3513.8	681.3	212.4	160.3	124.2	108.2	99.2	103.2	118.2	120.2
65°	4941.5	3877.5	851.6	250.5	166.3	120.2	99.2	94.2	95.2	96.2	96.2
67.5°	5289.2	4101.9	821.6	295.6	186.4	118.2	94.2	88.2	87.2	87.2	87.2
70°	5255.1	3858.5	651.3	313.6	202.4	118.2	90.2	82.2	80.2	80.2	80.2
72.5°	4763.2	3300.4	500.0	290.6	186.4	113.2	84.2	75.1	72.1	72.1	72.1
75°	4052.8	2647.1	419.8	252.5	152.3	97.2	74.1	67.1	65.1	65.1	64.1
77.5°	2589.0	1565.0	356.7	205.4	117.2	79.2	64.1	58.1	58.1	58.1	55.1
80°	1039.0	688.3	277.5	162.3	91.2	63.1	53.1	50.1	49.1	48.1	45.1
82.5°	394.8	339.7	180.3	118.2	70.1	48.1	43.1	40.1	40.1	39.1	34.1
85°	141.3	132.3	83.2	68.1	43.1	30.1	33.1	30.1	29.1	26.1	22.0
87.5°	30.1	33.1	23.0	15.0	15.0	9.0	11.0	12.0	12.0	11.0	6.0
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)