

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: P695610

Luminaire Tested: **LXF.LXT-PA16-60-730-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695610  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-730-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5896 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

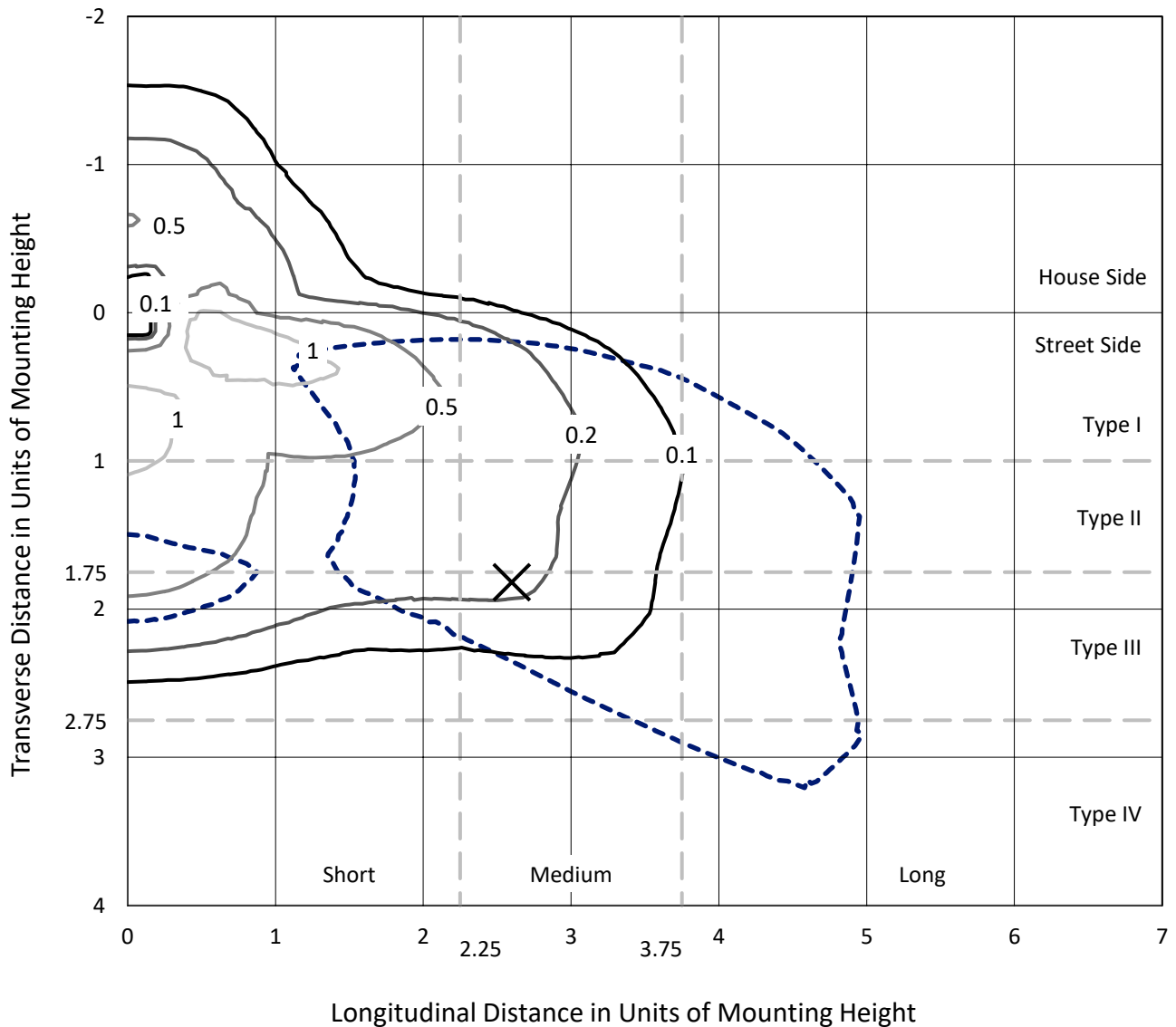
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695610  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

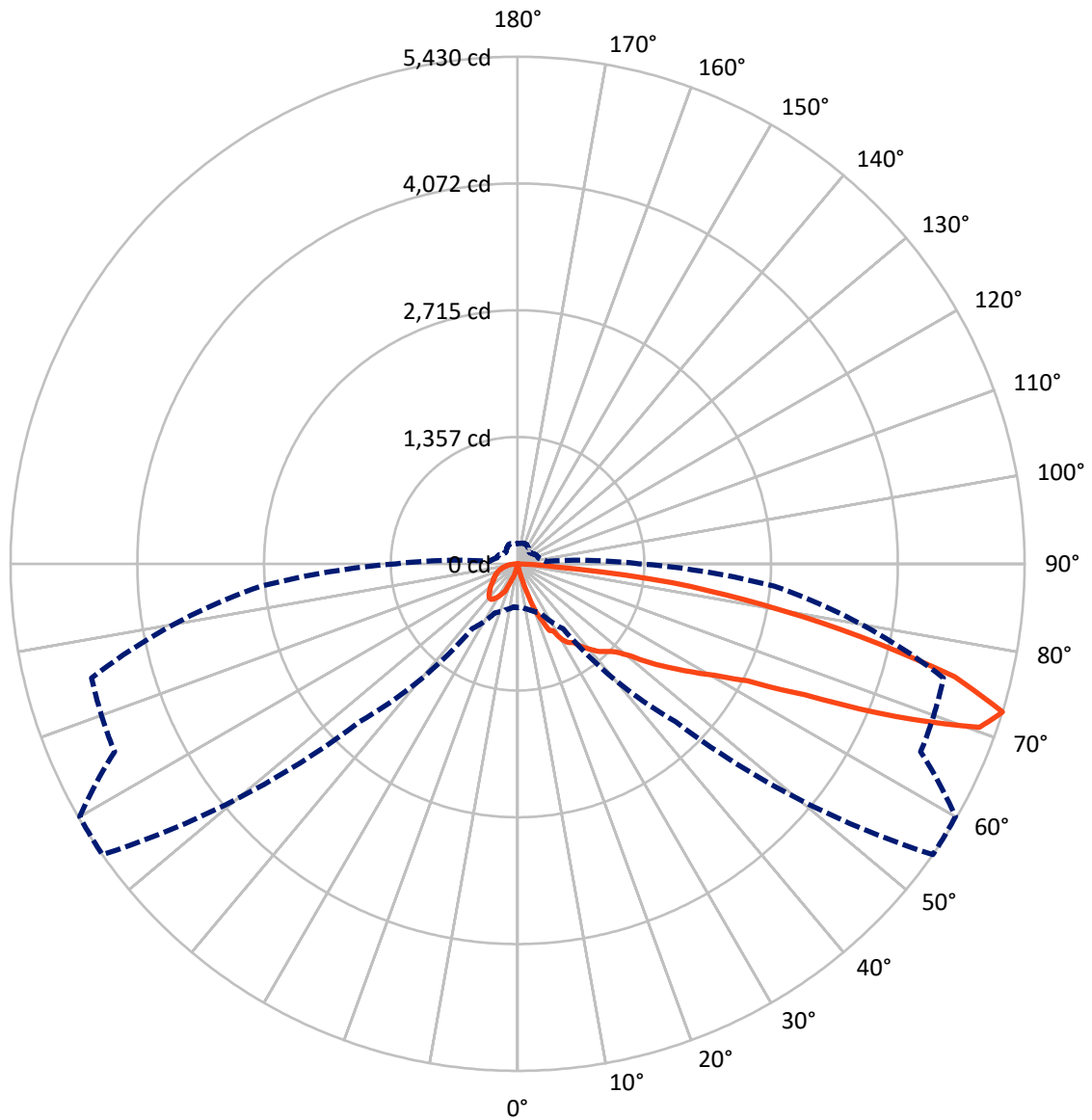
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P695610  
CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P695610  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

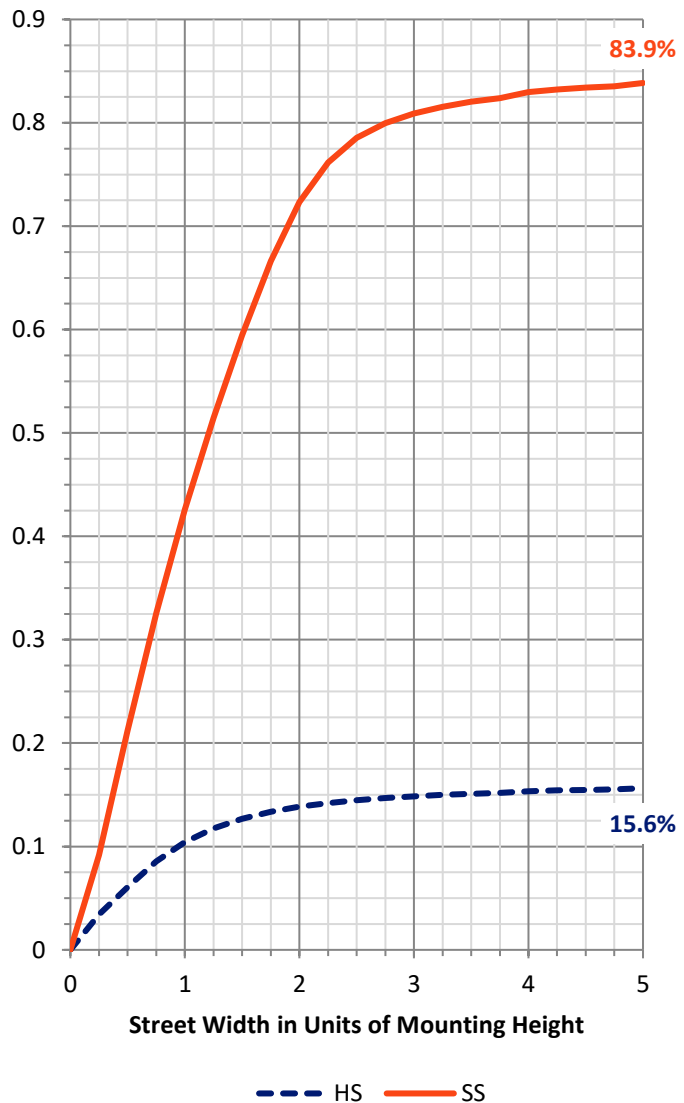
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	936.6	0.0	936.6
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	4959.4	0.0	4959.4
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	5896.0	0.0	5896.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	57.0	1.0
20°-30°	266.9	4.5
30°-40°	568.3	9.6
40°-50°	827.6	14.0
50°-60°	1205.8	20.5
60°-70°	1600.3	27.1
70°-80°	1178.2	20.0
80°-90°	191.7	3.3
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°	5896.0	100.0
0°-180°	5896.0	100.0

**Coefficient of Utilization**

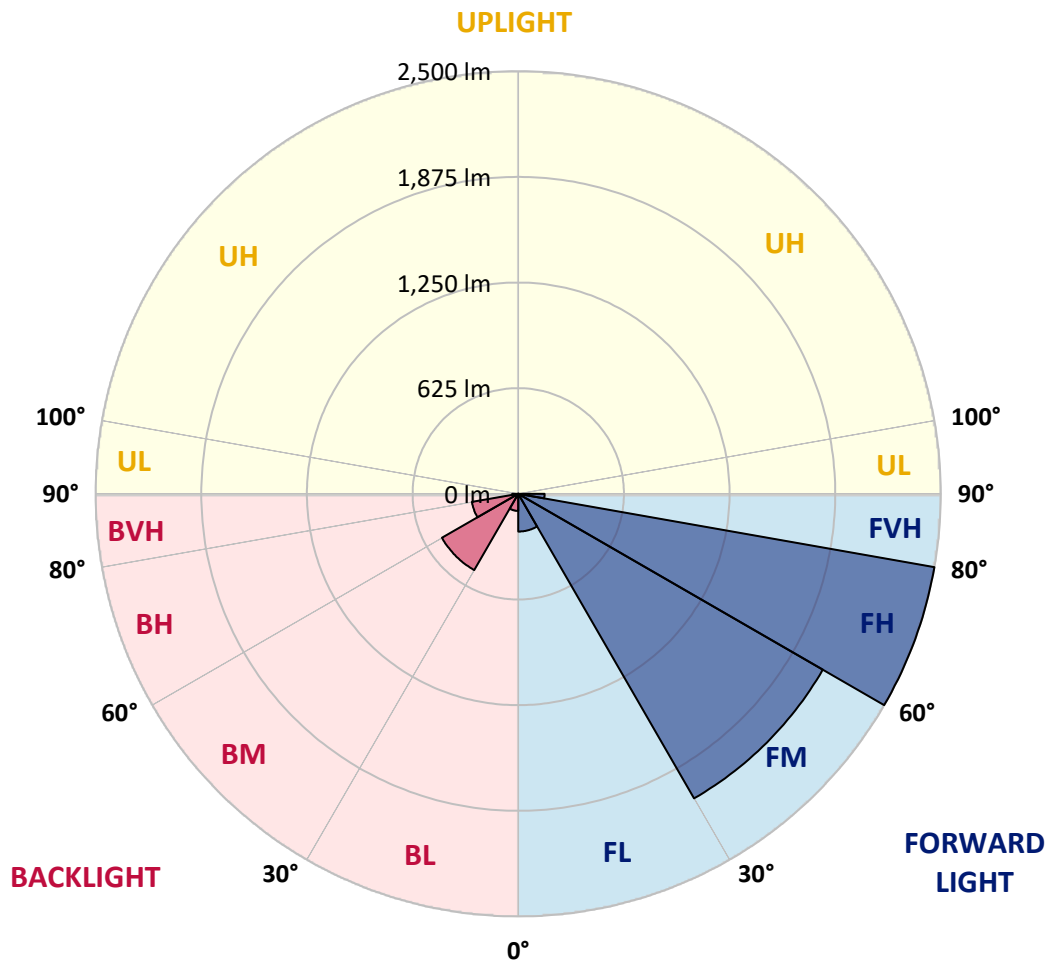


REPORT NUMBER: P695610  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.1	3.8			
FM (30°-60°)	2080.4	35.3			
FH (60°-80°)	2500.1	42.4			G2/5000
FVH (80°-90°)	155.6	2.6			G2/225
BL (0°-30°)	101.0	1.7	B0/110		
BM (30°-60°)	521.2	8.8	B1/1000		
BH (60°-80°)	278.3	4.7	B1/500		G1/500
BVH (80°-90°)	36.1	0.6			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 III Medium



REPORT NUMBER: P695610  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	42.5	44.6	36.1	17.0	6.4	2.1	2.1	2.1	4.3	4.3	6.4
12.5°	337.9	342.2	335.8	136.0	63.8	12.8	8.5	14.9	23.4	36.1	142.4
15°	335.8	335.8	342.2	352.8	352.8	74.4	148.8	193.4	269.9	350.7	346.4
17.5°	354.9	352.8	344.3	340.0	363.4	414.4	314.5	378.3	384.7	397.4	388.9
20°	516.4	516.4	516.4	490.9	367.7	510.0	531.3	429.3	433.5	605.7	588.7
22.5°	565.3	563.2	546.2	533.4	554.7	505.8	641.8	737.4	726.8	824.6	773.6
25°	805.4	782.1	741.7	588.7	614.2	592.9	792.7	909.6	822.4	896.8	971.2
27.5°	939.3	922.3	886.2	801.2	654.6	718.3	811.8	956.3	1117.8	1281.5	1151.8
30°	1258.1	1241.1	1062.6	930.8	811.8	739.6	945.7	1134.8	1315.5	1343.1	1200.7
32.5°	1304.9	1307.0	1315.5	1190.1	954.2	818.2	1007.3	1173.1	1406.9	1687.4	1491.9
35°	1334.6	1332.5	1332.5	1234.7	1137.0	967.0	1037.1	1319.7	1617.3	1789.4	1477.0
37.5°	1423.9	1417.5	1406.9	1258.1	1202.8	1073.2	1130.6	1358.0	1734.1	1948.8	1462.1
40°	1532.2	1538.6	1511.0	1321.9	1247.5	1154.0	1205.0	1375.0	1872.3	2078.4	1455.7
42.5°	1685.3	1676.8	1630.0	1428.1	1313.4	1190.1	1285.7	1419.6	1974.3	2252.7	1468.5
45°	1857.4	1836.1	1770.3	1574.7	1411.1	1211.3	1338.9	1500.4	2065.7	2450.3	1513.1
47.5°	2035.9	2008.3	1914.8	1693.8	1513.1	1251.7	1406.9	1604.5	2169.8	2701.1	1596.0
50°	2205.9	2186.8	2067.8	1819.1	1619.4	1326.1	1536.5	1761.8	2312.2	2951.9	1736.3
52.5°	2375.9	2344.1	2197.4	1946.7	1721.4	1419.6	1749.0	1993.4	2503.4	3204.8	1889.3
55°	2558.7	2516.2	2327.1	2072.0	1806.4	1545.0	1955.2	2233.5	2730.8	3508.6	2078.4
57.5°	2862.6	2832.8	2563.0	2259.1	1927.5	1698.0	2178.3	2473.7	2975.2	3787.0	2267.6
60°	3206.9	3153.7	2888.1	2584.2	2180.4	1936.0	2424.8	2741.5	3209.0	4054.8	2477.9
62.5°	3194.1	3141.0	2954.0	2779.7	2505.6	2333.4	2762.7	3017.7	3408.8	4307.7	2665.0
65°	2537.4	2545.9	2539.6	2569.3	2597.0	2892.4	3376.9	3423.6	3723.3	4543.6	2843.5
67.5°	1381.4	1368.6	1525.9	1834.0	2261.2	3247.3	4371.5	4078.2	4112.2	4764.6	2966.7
70°	658.8	658.8	750.2	1020.1	1621.5	3028.4	5247.0	4907.0	4530.9	4860.3	2951.9
72.5°	469.7	463.3	512.2	580.2	847.9	2388.7	5429.8	5414.9	4762.5	4722.1	2756.3
75°	380.4	384.7	403.8	439.9	401.7	1404.7	4834.8	5106.8	4545.7	4286.5	2437.6
77.5°	308.1	308.1	331.5	348.5	257.1	682.2	3753.0	4105.8	3604.3	3495.9	1791.5
80°	229.5	229.5	242.3	278.4	189.1	289.0	2656.5	2764.8	2378.1	2157.0	879.8
82.5°	140.3	131.8	148.8	195.5	136.0	165.8	1668.3	1504.6	1194.3	669.4	261.4
85°	25.5	29.8	42.5	68.0	51.0	61.6	386.8	282.6	238.0	114.8	59.5
87.5°	0.0	0.0	0.0	2.1	4.3	6.4	8.5	10.6	10.6	8.5	6.4
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: P695610  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1
7.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
10°	6.4	6.4	4.3	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
12.5°	148.8	153.0	38.3	21.3	6.4	2.1	0.0	2.1	4.3	8.5	10.6
15°	335.8	316.6	244.4	125.4	72.3	8.5	4.3	36.1	97.8	106.3	112.6
17.5°	369.8	344.3	255.0	178.5	140.3	68.0	85.0	136.0	153.0	161.5	161.5
20°	548.3	482.4	312.4	208.3	165.8	180.6	148.8	161.5	178.5	193.4	201.9
22.5°	703.4	588.7	361.3	297.5	225.3	231.6	204.0	233.8	286.9	308.1	310.3
25°	847.9	656.7	380.4	331.5	323.0	263.5	289.0	291.1	316.6	329.4	331.5
27.5°	958.5	690.7	454.8	382.5	357.0	323.0	329.4	325.2	403.8	429.3	433.5
30°	971.2	663.1	476.0	433.5	393.2	374.0	354.9	420.8	452.7	463.3	463.3
32.5°	1077.5	684.3	522.8	467.5	431.4	391.0	425.0	446.3	482.4	548.3	550.4
35°	964.8	609.9	541.9	507.9	459.0	425.0	444.2	501.5	571.7	586.5	584.4
37.5°	850.1	554.7	516.4	505.8	476.0	446.3	467.5	522.8	561.0	548.3	548.3
40°	756.6	516.4	497.3	488.8	473.9	435.7	478.2	499.4	541.9	529.2	527.0
42.5°	690.7	488.8	478.2	467.5	456.9	420.8	448.4	495.2	533.4	518.5	514.3
45°	669.4	471.8	465.4	450.5	431.4	399.5	429.3	488.8	524.9	510.0	505.8
47.5°	694.9	456.9	448.4	429.3	403.8	371.9	418.7	478.2	505.8	480.3	478.2
50°	769.3	450.5	431.4	405.9	380.4	363.4	403.8	452.7	476.0	452.7	452.7
52.5°	873.4	452.7	414.4	384.7	354.9	344.3	386.8	435.7	454.8	431.4	429.3
55°	986.1	459.0	393.2	363.4	323.0	329.4	378.3	427.2	433.5	408.0	405.9
57.5°	1113.6	465.4	371.9	348.5	306.0	312.4	361.3	410.2	408.0	374.0	374.0
60°	1243.2	471.8	350.7	329.4	289.0	291.1	340.0	388.9	376.2	342.2	340.0
62.5°	1351.6	465.4	325.2	308.1	272.0	265.6	314.5	363.4	352.8	316.6	316.6
65°	1445.1	439.9	303.9	286.9	255.0	244.4	289.0	331.5	323.0	289.0	291.1
67.5°	1483.4	399.5	282.6	265.6	235.9	221.0	259.3	293.3	291.1	263.5	265.6
70°	1426.0	344.3	259.3	244.4	214.6	195.5	229.5	259.3	259.3	240.1	240.1
72.5°	1302.7	303.9	233.8	221.0	189.1	174.3	201.9	225.3	229.5	216.8	218.9
75°	1164.6	265.6	204.0	197.6	167.9	148.8	172.1	195.5	199.8	193.4	193.4
77.5°	877.7	206.1	172.1	172.1	146.6	127.5	146.6	167.9	172.1	170.0	167.9
80°	444.2	146.6	138.1	146.6	121.1	106.3	121.1	140.3	146.6	159.4	159.4
82.5°	150.9	95.6	104.1	119.0	97.8	85.0	93.5	114.8	150.9	129.6	127.5
85°	42.5	42.5	55.3	63.8	65.9	57.4	65.9	108.4	87.1	74.4	72.3
87.5°	4.3	6.4	8.5	12.8	10.6	12.8	17.0	21.3	14.9	10.6	8.5
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)