

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: P414563

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2724 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 31
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

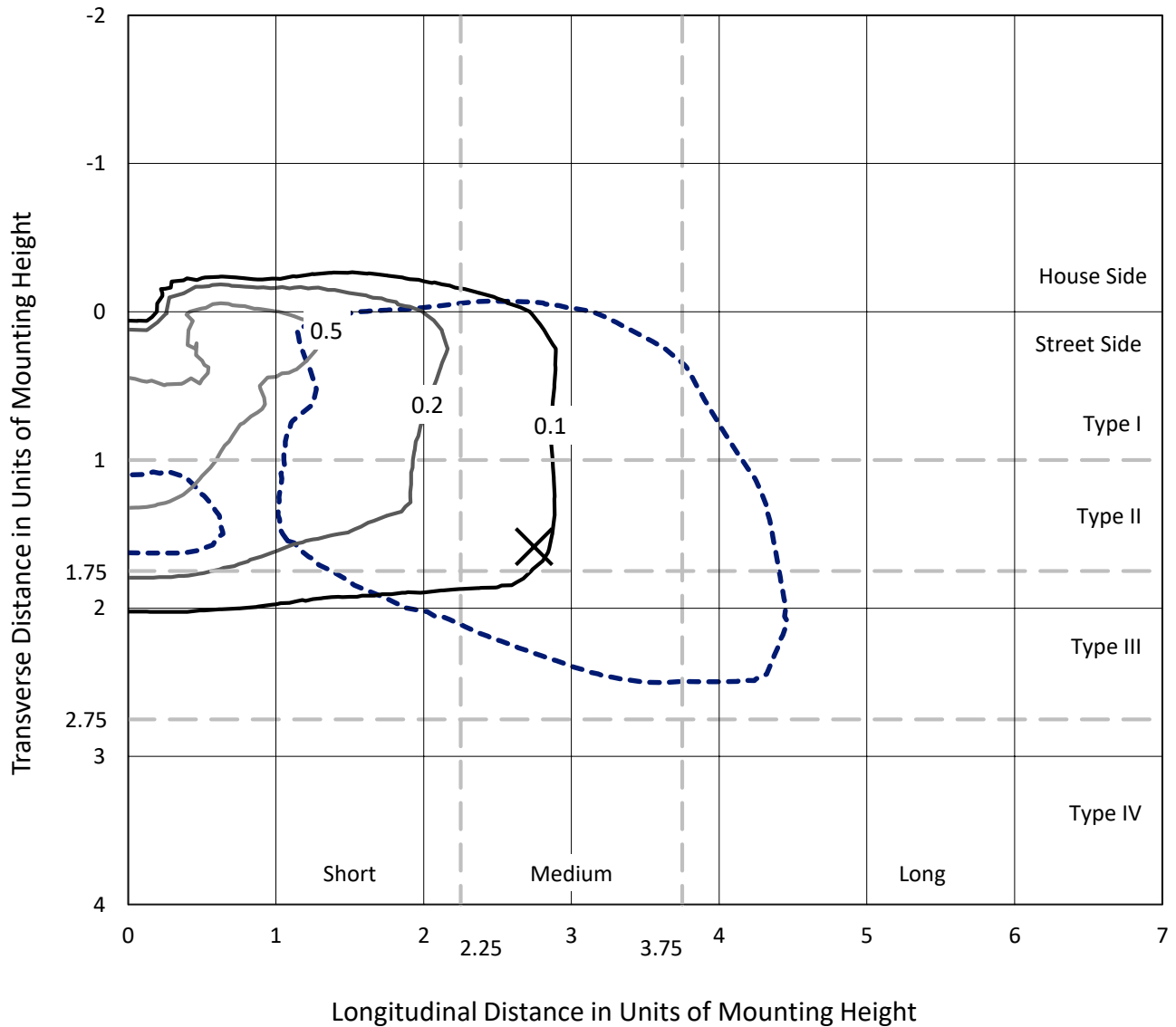


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Iso-Footcandle Lines of Horizontal Illumination

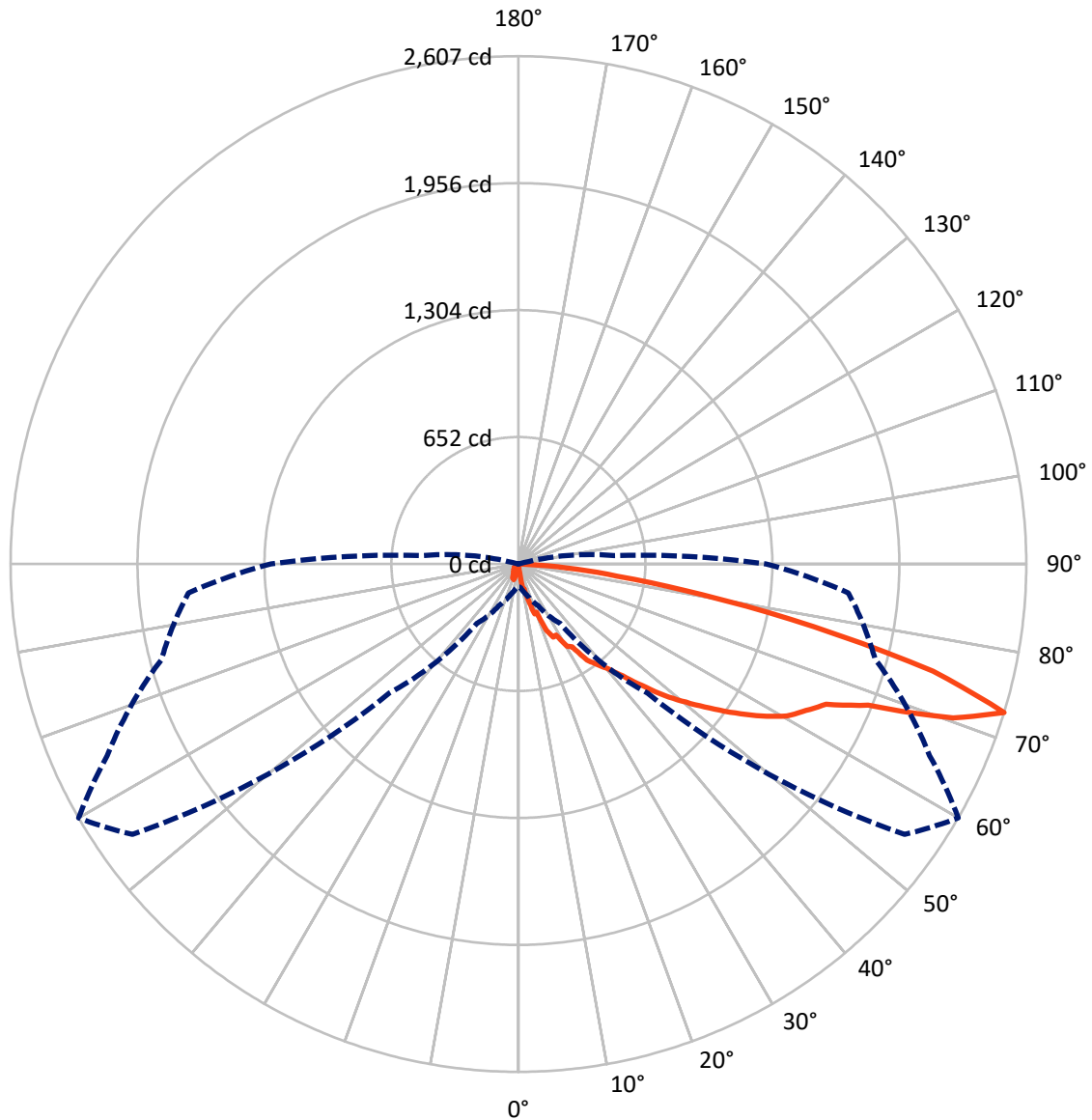
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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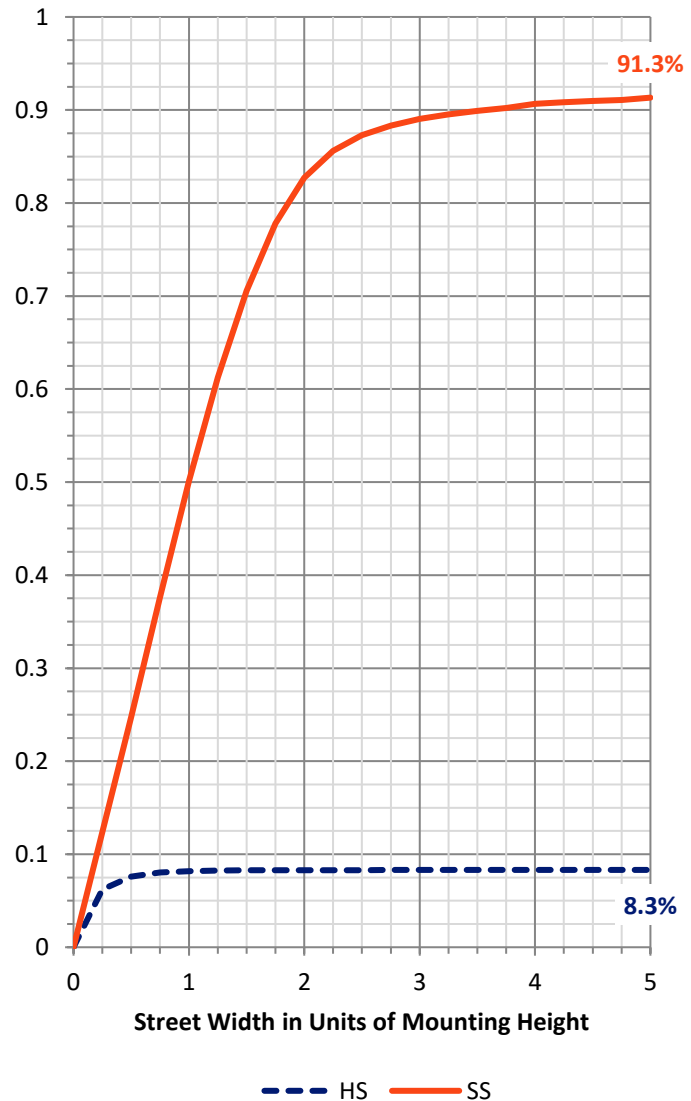
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	228.5	0.0	228.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2495.5	0.0	2495.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	2724.0	0.0	2724.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	37.9	1.4
20°-30°	118.6	4.4
30°-40°	255.8	9.4
40°-50°	434.9	16.0
50°-60°	643.0	23.6
60°-70°	699.4	25.7
70°-80°	476.6	17.5
80°-90°	54.1	2.0
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°	2724.0	100.0
0°-180°	2724.0	100.0



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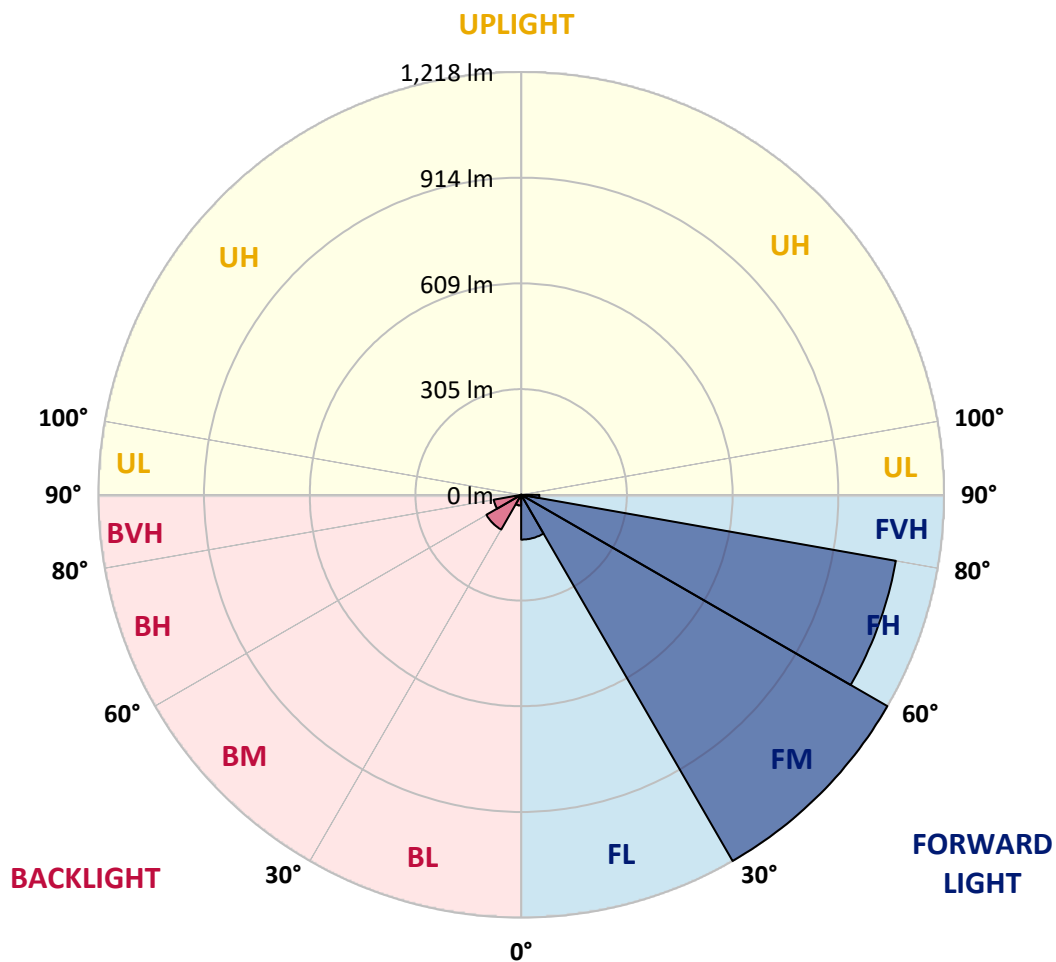
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.0	4.7			
FM	(30°-60°)	1218.1	44.7			
FH	(60°-80°)	1096.0	40.2			G1/1800
FVH	(80°-90°)	52.4	1.9			G1/100
BL	(0°-30°)	31.2	1.1	B0/110		
BM	(30°-60°)	115.5	4.2	B0/220		
BH	(60°-80°)	80.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.5	1.8	1.8	1.4	1.1	1.1	1.1	1.4	1.4	1.1	1.4
5°	139.3	137.6	137.6	138.3	89.8	15.2	8.5	3.5	1.4	1.4	1.4
7.5°	132.3	130.8	131.6	133.3	134.4	136.2	136.2	41.7	13.4	1.4	1.4
10°	135.4	134.4	128.7	127.7	129.8	131.6	132.3	135.4	131.6	3.9	1.4
12.5°	238.4	236.6	236.6	239.8	139.3	127.3	128.7	131.9	113.9	14.9	8.1
15°	228.1	226.7	227.0	230.9	236.2	167.6	132.3	195.9	251.4	227.0	180.4
17.5°	318.3	274.1	236.9	225.6	226.7	234.1	256.4	269.5	255.7	258.5	196.6
20°	325.0	322.5	321.1	323.6	232.0	308.7	326.1	264.5	257.5	276.9	362.8
22.5°	336.3	330.7	319.3	317.9	357.2	304.1	315.8	369.9	379.8	405.6	377.7
25°	455.5	451.2	439.6	334.5	366.4	349.4	398.2	416.2	410.2	427.2	409.5
27.5°	500.4	492.3	467.2	434.3	389.0	412.0	402.8	412.7	453.0	588.5	577.5
30°	701.3	679.7	610.4	500.1	462.6	429.0	468.6	489.4	523.4	602.3	592.0
32.5°	762.1	739.1	688.9	636.6	548.1	486.3	515.6	506.4	530.8	734.9	777.3
35°	939.3	928.7	838.1	692.8	670.2	573.6	541.4	604.7	640.8	745.1	816.9
37.5°	941.4	942.1	936.8	838.5	734.9	644.7	650.7	653.2	681.1	793.9	862.9
40°	971.5	976.4	989.5	915.2	827.9	747.6	731.7	706.9	731.7	848.7	925.8
42.5°	1034.4	1037.9	1066.9	989.5	901.4	827.9	836.0	785.4	803.5	952.4	1011.4
45°	1145.1	1143.0	1179.4	1067.6	970.0	919.5	928.7	889.8	878.8	1037.2	1111.9
47.5°	1270.3	1278.1	1276.7	1153.9	1038.3	1004.7	1031.2	1010.4	967.2	1145.4	1228.9
50°	1388.8	1386.3	1349.5	1202.7	1099.1	1088.2	1149.3	1115.0	1075.8	1255.4	1341.7
52.5°	1431.9	1434.0	1390.2	1232.1	1151.1	1170.9	1262.5	1227.8	1176.9	1333.9	1453.8
55°	1424.1	1426.9	1402.2	1262.2	1190.0	1248.4	1379.9	1350.2	1292.9	1419.2	1538.0
57.5°	1351.3	1351.3	1371.4	1280.9	1227.8	1317.7	1484.6	1472.6	1401.8	1489.9	1588.2
60°	1165.3	1185.1	1248.4	1258.3	1272.4	1392.6	1588.2	1584.3	1498.4	1556.0	1617.9
62.5°	896.1	902.5	1042.5	1148.6	1275.9	1493.4	1675.6	1656.8	1569.8	1576.2	1638.8
65°	508.2	537.2	666.6	934.7	1203.4	1598.8	1816.0	1735.7	1632.4	1600.2	1715.5
67.5°	273.7	284.3	356.5	565.8	986.3	1610.5	2134.2	1935.8	1780.9	1726.8	1865.8
70°	176.8	188.1	227.0	310.9	618.5	1424.1	2433.8	2366.9	2087.6	1900.1	1888.8
72.5°	114.9	121.7	163.7	234.1	372.0	938.2	2420.0	2607.4	2329.8	1896.9	1700.3
75°	46.7	51.3	82.0	194.9	314.4	459.7	1856.6	2198.6	2187.3	1685.8	1315.9
77.5°	23.3	24.8	36.4	105.4	279.0	318.3	1174.8	1550.7	1557.1	1228.9	731.7
80°	15.2	14.9	20.9	49.5	190.3	289.6	657.1	952.7	890.8	466.1	205.1
82.5°	6.0	6.4	11.3	28.3	79.6	262.0	374.9	512.8	401.0	90.9	59.1
85°	1.1	1.1	3.5	15.2	25.1	119.9	241.9	248.3	164.8	28.6	29.7
87.5°	0.4	0.4	0.7	1.1	1.8	2.8	10.6	5.0	3.2	5.0	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.4	1.4	1.4	1.1	1.1	0.7	0.0	0.0	0.4	0.4	0.4
5°	1.4	1.4	1.4	1.1	1.1	0.4	0.0	0.0	0.4	0.4	0.4
7.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.0	0.0	0.4	0.4	0.4
10°	1.4	1.4	1.4	1.1	0.7	0.4	10.3	65.4	67.5	67.9	67.2
12.5°	8.8	9.2	5.0	1.1	0.7	60.8	60.5	50.6	44.2	41.7	38.5
15°	192.0	182.5	151.0	89.1	49.2	49.9	36.8	27.2	21.9	20.5	19.8
17.5°	190.3	176.5	139.0	81.3	85.6	37.5	19.8	21.9	28.6	29.0	29.0
20°	357.5	313.7	135.8	90.9	57.6	32.5	25.8	27.2	27.2	27.6	27.2
22.5°	372.7	328.9	203.3	116.0	41.4	34.3	29.4	25.5	26.2	33.9	32.9
25°	375.9	322.5	188.5	90.9	40.0	34.3	32.2	31.1	35.0	35.0	35.4
27.5°	541.8	453.4	228.5	68.3	39.6	35.7	35.7	32.5	31.5	31.1	31.5
30°	540.7	437.8	194.9	57.6	38.2	35.4	32.2	29.0	35.0	35.4	35.4
32.5°	709.8	559.8	188.5	46.7	38.2	32.5	28.3	30.1	27.9	27.9	27.9
35°	719.7	545.7	148.5	48.4	33.9	29.7	27.6	23.3	24.8	25.1	24.4
37.5°	738.8	535.8	112.8	43.9	33.9	27.6	22.6	20.9	19.5	19.1	19.1
40°	773.1	536.5	87.0	40.3	31.8	25.1	20.2	17.0	17.7	17.7	17.3
42.5°	824.3	546.7	68.3	37.1	28.6	22.3	17.0	15.2	14.1	14.1	13.8
45°	892.2	568.7	55.9	34.7	26.2	19.1	13.8	12.4	11.3	11.3	11.0
47.5°	976.4	599.4	48.8	32.2	23.3	15.9	11.3	9.9	9.2	8.8	8.8
50°	1066.2	636.2	44.9	30.1	20.2	12.7	9.2	7.8	7.1	7.1	6.7
52.5°	1159.2	678.3	41.7	28.6	17.3	10.6	7.1	5.7	5.3	5.0	5.3
55°	1234.6	703.7	39.6	28.3	14.5	8.5	5.3	4.2	3.9	3.5	3.5
57.5°	1284.1	717.5	36.8	26.2	11.7	6.4	3.9	2.8	2.5	2.5	2.5
60°	1323.0	725.3	33.2	20.9	9.2	4.6	2.5	1.8	1.8	1.8	1.8
62.5°	1353.7	730.6	27.9	16.3	7.1	3.2	1.8	1.1	1.1	1.1	1.1
65°	1445.0	761.7	21.6	12.4	5.3	2.1	1.1	0.7	0.4	0.7	0.7
67.5°	1556.0	774.8	15.9	8.8	3.9	1.4	0.7	0.4	0.4	0.4	0.7
70°	1512.2	675.1	11.7	6.4	2.8	1.1	0.7	0.4	0.4	0.4	0.7
72.5°	1270.6	493.3	8.5	4.6	2.1	1.1	0.7	0.4	0.4	0.7	0.7
75°	913.8	278.3	6.7	3.2	1.8	1.1	0.7	0.7	0.7	1.1	1.1
77.5°	430.0	103.6	6.7	2.8	1.8	1.1	0.7	0.7	1.1	1.4	0.7
80°	104.3	25.8	6.7	2.5	1.8	1.1	1.1	1.1	1.4	1.4	0.7
82.5°	35.0	11.0	5.0	2.1	1.8	1.1	1.1	1.4	1.4	1.8	1.1
85°	21.2	7.1	3.5	2.5	2.1	1.1	1.4	1.4	1.8	2.1	1.1
87.5°	3.5	2.8	2.5	2.5	2.1	1.4	1.4	1.8	1.8	2.1	1.4
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)