

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: P414755

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-750-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2919 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

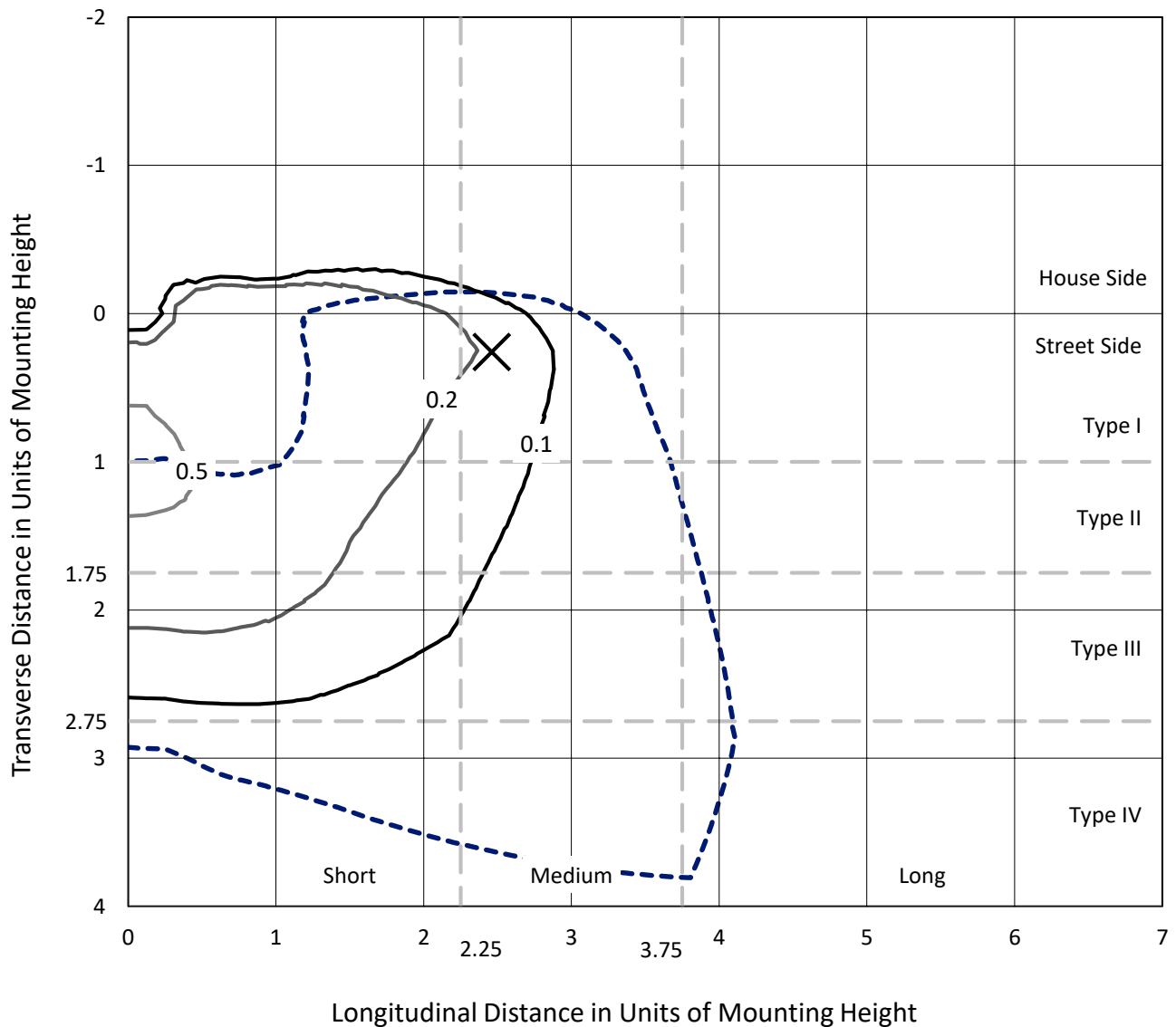
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414755
 CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

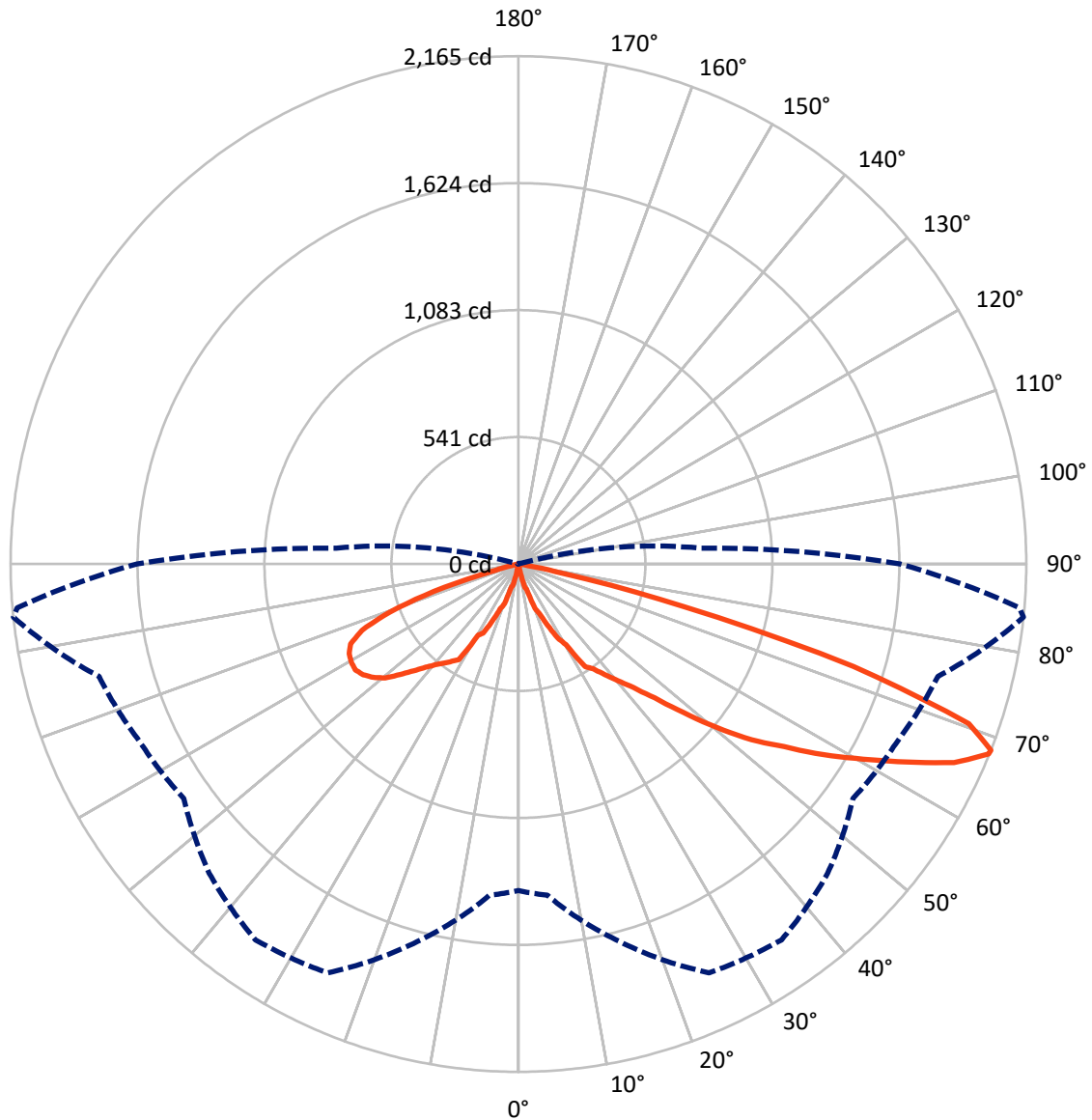
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414755
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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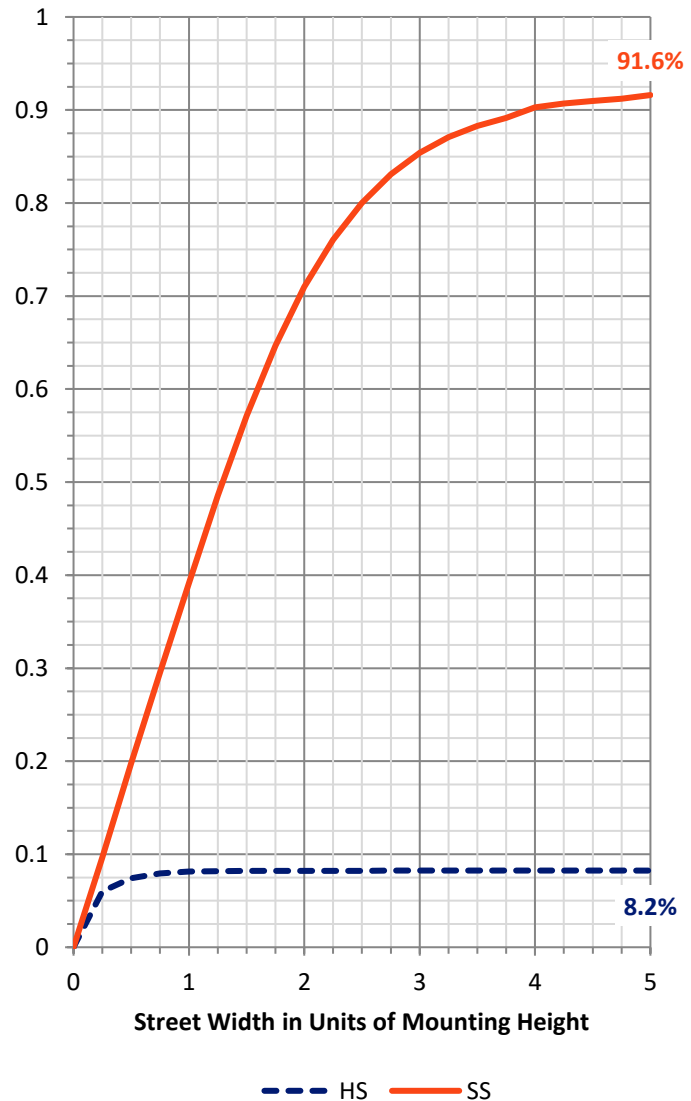
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	242.5	0.0	242.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	2676.4	0.0	2676.4
	% Fixture	91.7	0.0	91.7
Total	Lumens	2919.0	0.0	2919.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	26.4	0.9
20°-30°	94.6	3.2
30°-40°	202.1	6.9
40°-50°	361.2	12.4
50°-60°	640.8	22.0
60°-70°	921.0	31.6
70°-80°	620.0	21.2
80°-90°	50.9	1.7
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°	2919.0	100.0
0°-180°	2919.0	100.0



REPORT NUMBER: P414755

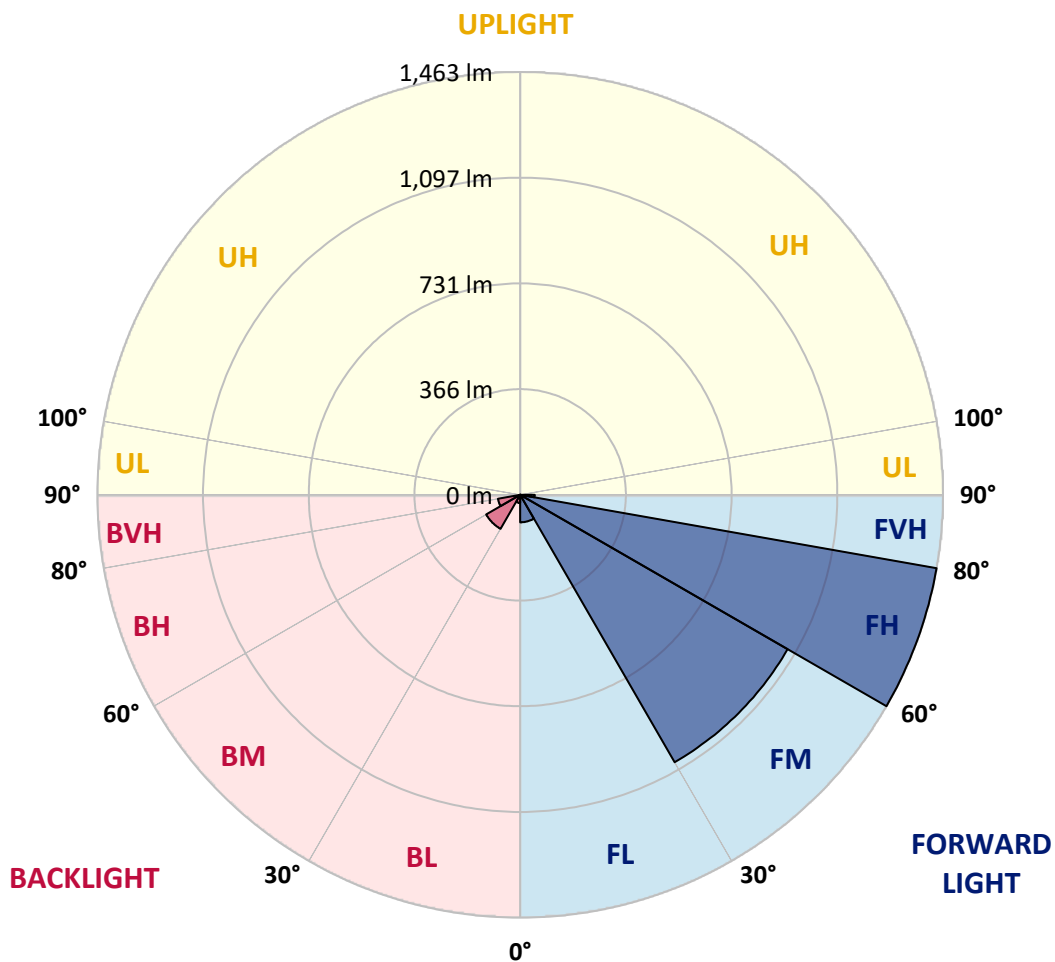
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.2	3.3			
FM (30°-60°)	1068.2	36.6			
FH (60°-80°)	1462.9	50.1			G1/1800
FVH (80°-90°)	50.2	1.7			G1/100
BL (0°-30°)	27.8	1.0	B0/110		
BM (30°-60°)	135.9	4.7	B0/220		
BH (60°-80°)	78.1	2.7	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			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 IV Medium





REPORT NUMBER: P414755

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.0	0.4	0.4	0.8	0.8	1.3	1.3	1.3	1.3
5°	22.4	19.0	18.6	16.5	11.8	3.0	0.8	1.3	1.3	1.3	1.3
7.5°	80.3	79.1	78.2	76.5	74.8	57.5	11.4	1.3	1.3	1.3	1.3
10°	86.2	84.6	83.3	81.2	78.6	75.7	72.3	9.3	1.3	1.3	1.3
12.5°	178.4	176.3	122.2	101.0	83.3	79.1	76.5	39.7	36.8	41.9	47.8
15°	187.7	186.0	181.4	175.4	157.7	89.2	120.1	149.2	97.2	103.6	103.6
17.5°	209.3	205.9	189.8	180.9	173.8	191.1	175.4	159.8	104.8	111.2	111.2
20°	293.0	292.1	287.5	200.8	182.6	241.8	191.1	170.4	193.6	202.1	192.4
22.5°	295.5	294.7	291.3	279.9	287.1	248.6	274.4	257.5	264.2	230.8	229.1
25°	391.9	388.5	311.2	284.9	323.8	265.1	326.4	284.1	279.0	288.3	288.3
27.5°	399.1	398.2	395.7	379.2	332.3	375.4	336.1	367.8	375.0	356.4	366.1
30°	454.5	426.6	411.8	402.1	391.5	394.0	392.3	423.2	390.6	398.2	394.0
32.5°	528.9	526.3	518.7	428.7	435.0	411.4	457.4	452.8	505.2	521.7	519.2
35°	632.5	591.9	542.4	495.9	451.5	488.7	472.7	526.8	539.9	547.5	563.1
37.5°	723.4	710.2	664.2	525.9	500.1	503.1	540.7	564.4	583.8	597.4	604.1
40°	806.6	796.9	766.1	614.7	526.3	546.2	577.1	590.2	628.7	653.6	654.0
42.5°	930.1	936.0	907.3	695.0	597.4	606.7	632.9	635.0	669.2	719.1	720.8
45°	1084.4	1076.4	1069.2	811.7	665.0	659.1	695.5	690.4	743.2	813.4	821.9
47.5°	1233.2	1221.8	1202.4	946.2	758.9	717.9	768.6	772.8	855.3	944.9	948.3
50°	1348.2	1344.0	1324.5	1102.6	883.6	799.0	849.8	899.6	987.2	1095.0	1102.2
52.5°	1475.0	1465.3	1431.1	1249.3	1043.8	921.2	947.0	1034.5	1126.3	1244.6	1243.8
55°	1559.6	1560.9	1528.3	1398.9	1189.2	1059.5	1069.6	1204.0	1253.1	1374.0	1382.9
57.5°	1672.0	1662.7	1671.6	1574.8	1386.3	1199.8	1223.5	1339.8	1383.7	1533.0	1538.9
60°	1755.8	1759.1	1803.1	1737.2	1538.9	1342.7	1363.0	1450.5	1513.9	1688.5	1707.1
62.5°	1758.7	1776.9	1895.3	1899.9	1704.2	1497.4	1484.3	1563.8	1619.6	1857.6	1880.0
65°	1597.6	1608.6	1875.4	1943.0	1857.6	1649.2	1599.8	1659.4	1724.0	2040.7	2044.9
67.5°	1436.1	1439.5	1697.0	1930.4	1949.8	1831.4	1722.8	1763.8	1826.4	2161.2	2146.4
68°	1392.2	1417.5	1666.1	1923.2	1955.7	1864.4	1741.4	1783.7	1851.3	2165.0	2144.3
70°	1262.0	1289.0	1517.7	1842.8	1952.8	1988.7	1843.3	1849.2	1866.9	2037.3	1970.9
72.5°	848.5	866.7	1201.1	1568.5	1889.3	2133.3	1957.0	1810.3	1675.0	1493.6	1434.9
75°	326.4	328.5	605.4	1078.1	1633.6	2061.0	1836.9	1526.2	1137.7	727.2	682.8
77.5°	121.8	119.6	175.4	499.7	1037.0	1601.4	1371.5	935.6	473.9	190.7	186.4
80°	43.1	44.4	68.1	150.5	421.5	935.6	763.5	380.9	139.5	42.3	38.9
82.5°	16.9	18.2	34.7	71.4	180.9	392.8	326.0	161.9	81.6	16.1	15.2
85°	3.8	4.2	13.5	35.5	68.9	113.7	114.6	98.9	67.6	7.6	7.2
87.5°	0.4	0.8	3.8	4.7	5.5	3.0	9.7	10.1	18.6	3.0	3.0
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: P414755

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.3	1.3	1.3	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	0.8	0.4	0.4	0.0	37.2	38.5	39.7	40.2
10°	1.3	1.3	1.3	0.8	0.8	38.9	45.7	44.0	41.0	39.7	40.2
12.5°	46.1	44.8	14.4	3.0	35.5	42.7	35.1	29.2	26.2	24.1	24.1
15°	100.6	96.8	80.7	61.7	57.9	33.0	22.4	19.0	27.9	33.8	33.8
17.5°	107.0	102.3	90.5	89.6	58.8	28.7	23.3	30.0	31.7	33.4	33.4
20°	207.2	185.6	127.7	85.8	43.1	35.1	29.2	28.7	30.0	32.1	32.6
22.5°	222.0	211.4	160.7	104.0	39.3	38.0	33.8	32.1	43.1	46.9	46.9
25°	282.0	271.8	172.9	82.9	47.8	38.9	42.7	40.2	41.0	44.4	44.4
27.5°	360.6	342.0	227.0	69.8	44.4	42.3	43.5	40.2	47.3	56.2	56.2
30°	399.5	362.3	217.3	61.7	45.2	46.1	41.9	49.0	49.0	52.4	52.8
32.5°	533.1	507.3	244.8	52.0	45.2	42.3	45.7	46.5	45.7	59.2	59.6
35°	567.4	536.5	209.7	54.1	43.1	41.0	41.0	46.1	49.0	52.0	52.4
37.5°	609.2	569.0	164.9	50.7	44.8	39.7	37.6	39.3	43.1	50.7	51.2
40°	662.5	604.6	126.8	47.8	41.9	36.4	34.2	35.9	35.9	38.0	38.5
42.5°	734.3	646.8	93.9	45.7	39.3	33.4	30.0	27.9	26.6	26.2	26.6
45°	832.9	700.9	70.2	43.5	37.6	29.6	24.9	20.3	16.9	16.9	17.3
47.5°	950.0	761.4	57.1	40.2	35.1	25.4	19.0	13.1	10.6	11.0	11.4
50°	1074.7	825.2	49.9	37.2	32.1	20.7	12.7	8.0	6.8	7.2	7.6
52.5°	1190.1	866.7	46.9	34.2	28.3	16.1	8.0	5.5	5.1	5.1	5.5
55°	1305.9	898.0	44.4	31.3	22.8	10.6	4.7	4.2	4.2	3.8	3.8
57.5°	1413.7	916.6	40.2	27.1	16.1	6.3	3.4	3.4	3.0	3.0	3.0
60°	1512.7	914.4	32.1	20.3	10.1	3.8	2.5	2.5	2.1	2.1	2.1
62.5°	1613.7	905.1	22.8	14.4	6.8	2.5	1.7	1.7	1.3	0.8	1.3
65°	1674.6	878.9	15.2	10.1	4.2	1.7	1.3	0.8	0.4	0.0	0.4
67.5°	1649.2	802.8	11.4	7.6	3.0	1.3	0.8	0.4	0.0	0.0	0.0
68°	1626.0	778.7	10.6	7.2	2.5	1.3	0.8	0.4	0.0	0.0	0.0
70°	1442.9	648.9	9.3	5.9	2.1	1.3	0.8	0.4	0.0	0.0	0.0
72.5°	962.6	421.5	7.6	4.7	1.7	0.8	0.8	0.4	0.0	0.0	0.0
75°	443.9	135.3	5.9	3.8	1.3	0.8	0.8	0.4	0.0	0.0	0.0
77.5°	118.4	28.7	3.8	2.5	1.3	0.8	0.8	0.4	0.4	0.4	0.0
80°	28.3	8.9	2.5	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.0
82.5°	10.6	4.7	1.7	1.7	1.3	0.8	0.8	0.4	0.8	0.8	0.0
85°	4.7	3.0	1.7	1.7	1.3	0.8	0.8	0.8	0.8	1.3	0.0
87.5°	2.1	2.1	1.7	1.7	1.7	0.8	1.3	1.3	1.3	1.3	0.0
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)