

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: P415743

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415743
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-PA1-50-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 3874 lumens
Efficiency: N/A
Efficacy: 71.7 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 - G2

Input Watts (W): 54
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

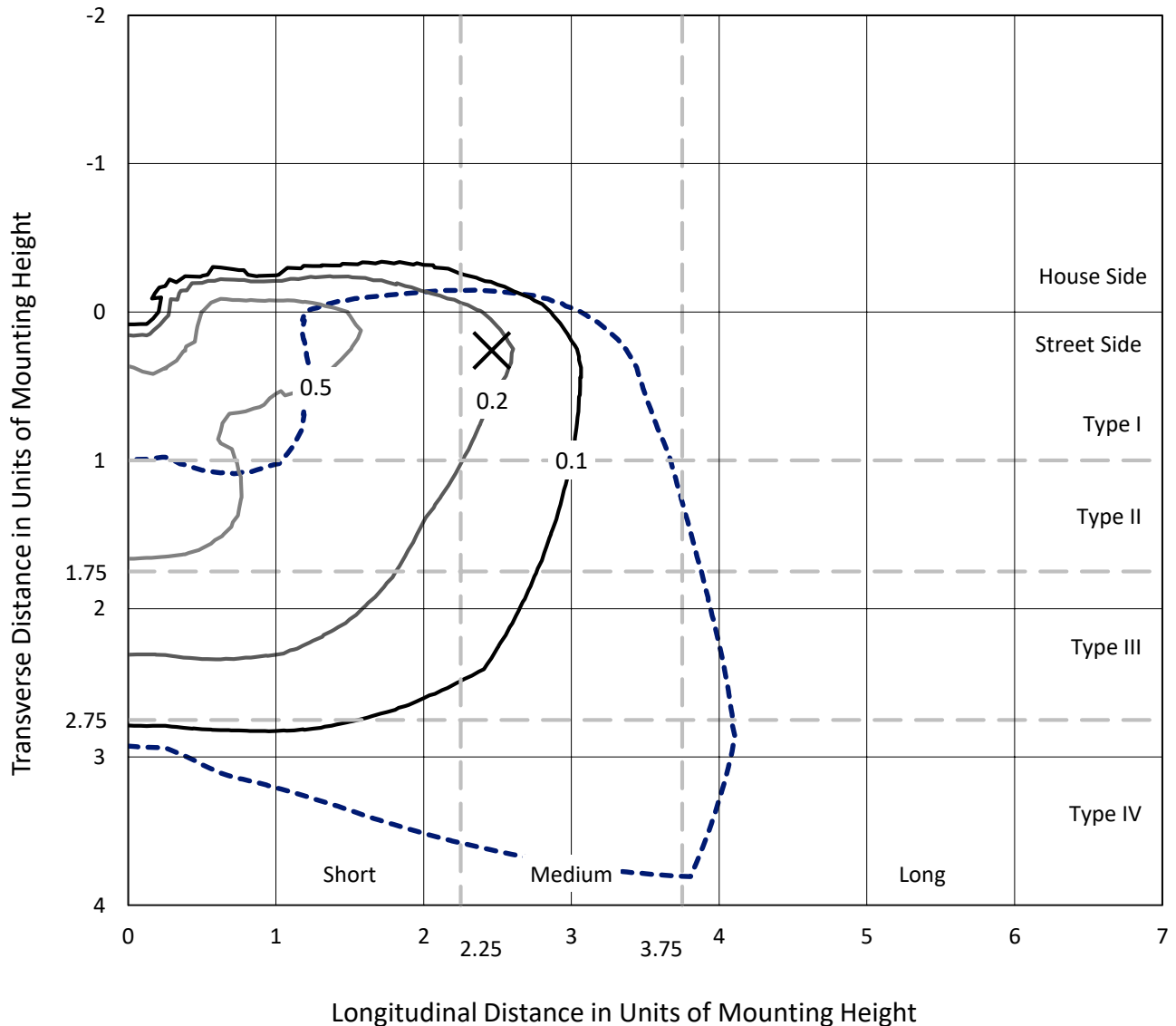


REPORT NUMBER: P415743

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

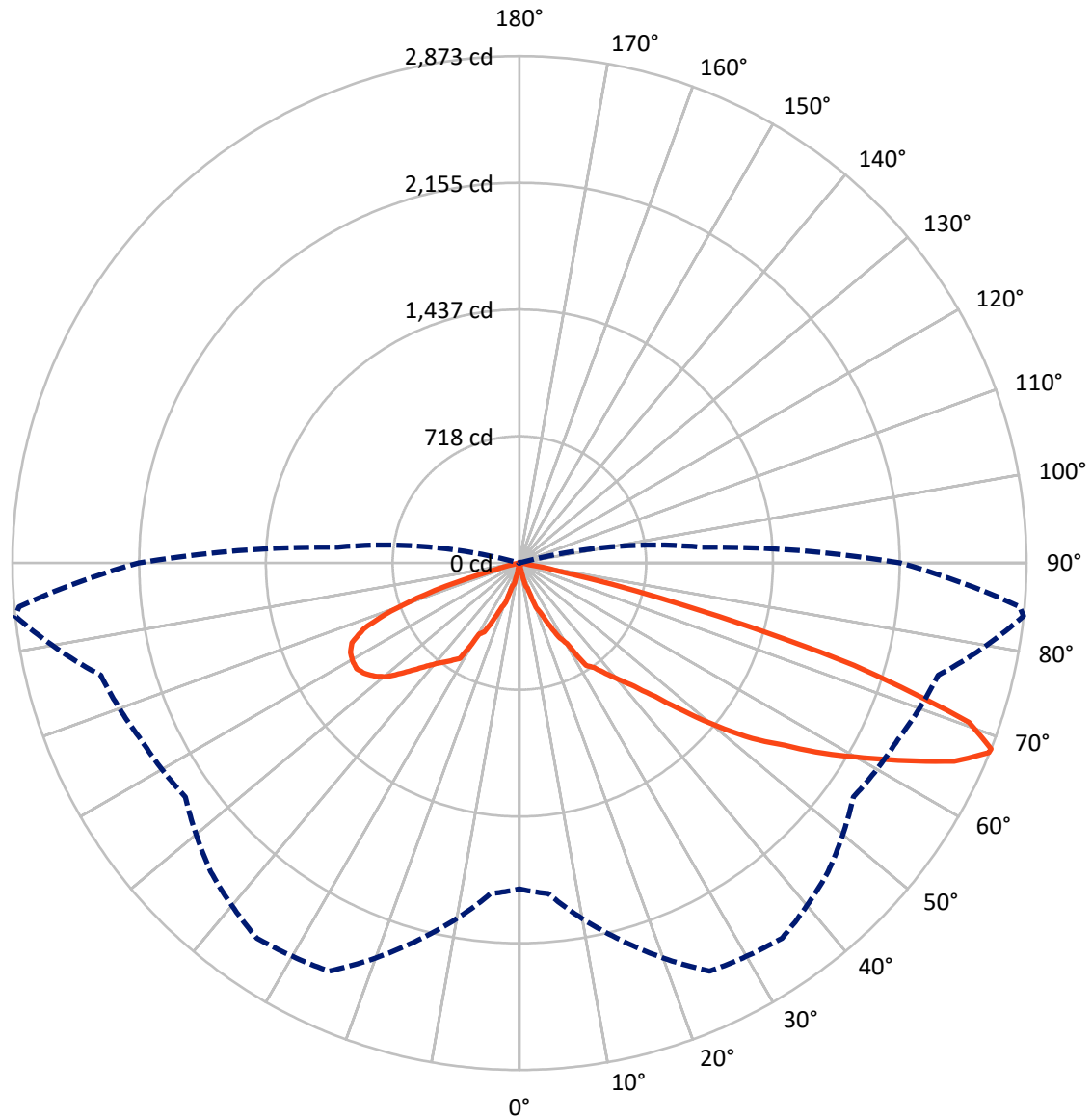


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415743

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415743

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

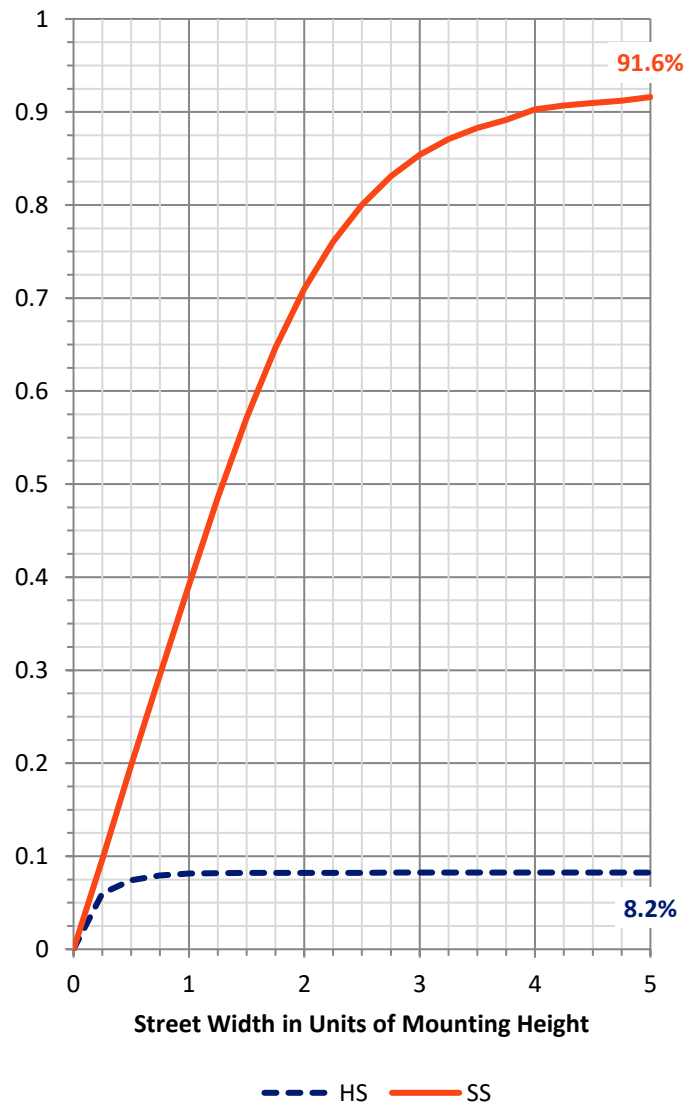
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.9	0.0	321.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	3552.1	0.0	3552.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	3874.0	0.0	3874.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	35.1	0.9
20°-30°	125.6	3.2
30°-40°	268.2	6.9
40°-50°	479.3	12.4
50°-60°	850.5	22.0
60°-70°	1222.3	31.6
70°-80°	822.8	21.2
80°-90°	67.6	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°	3874.0	100.0
0°-180°	3874.0	100.0



REPORT NUMBER: P415743

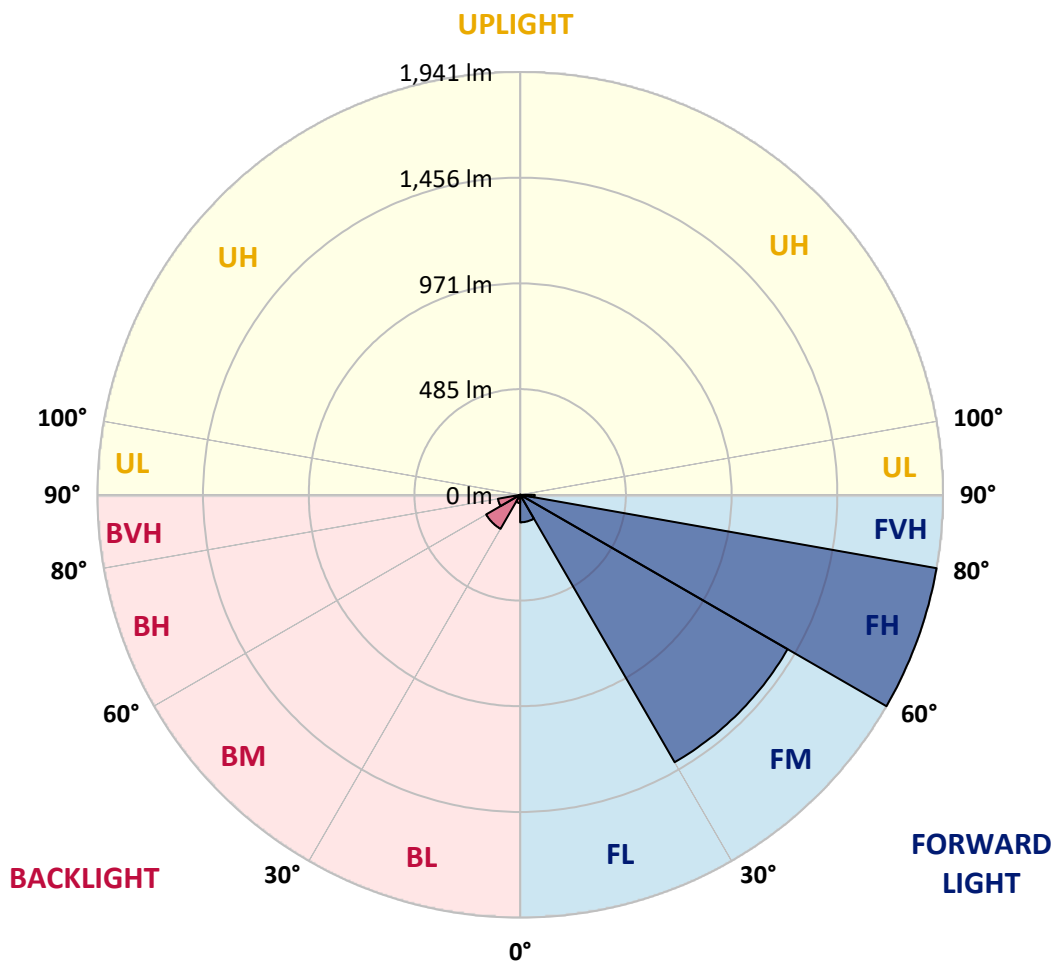
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.3	3.3			
FM (30°-60°)	1417.7	36.6			
FH (60°-80°)	1941.5	50.1			G2/5000
FVH (80°-90°)	66.6	1.7			G1/100
BL (0°-30°)	36.9	1.0	B0/110		
BM (30°-60°)	180.4	4.7	B0/220		
BH (60°-80°)	103.6	2.7	B0/110		G0/110
BVH (80°-90°)	1.0	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-G2

Type IV Medium





REPORT NUMBER: P415743

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.6	0.0	0.6	0.6	1.1	1.1	1.7	1.7	1.7	1.7
5°	29.7	25.2	24.7	21.9	15.7	3.9	1.1	1.7	1.7	1.7	1.7
7.5°	106.6	104.9	103.8	101.6	99.3	76.3	15.1	1.7	1.7	1.7	1.7
10°	114.5	112.2	110.5	107.7	104.4	100.4	95.9	12.3	1.7	1.7	1.7
12.5°	236.8	234.0	162.2	134.1	110.5	104.9	101.6	52.7	48.8	55.5	63.4
15°	249.1	246.9	240.7	232.8	209.3	118.4	159.3	198.1	129.0	137.5	137.5
17.5°	277.7	273.2	251.9	240.1	230.6	253.6	232.8	212.1	139.1	147.6	147.6
20°	388.8	387.7	381.5	266.5	242.4	320.9	253.6	226.1	257.0	268.2	255.3
22.5°	392.2	391.1	386.6	371.4	381.0	329.9	364.1	341.7	350.7	306.4	304.1
25°	520.1	515.6	413.0	378.2	429.8	351.8	433.2	377.0	370.3	382.7	382.7
27.5°	529.7	528.5	525.2	503.3	441.0	498.2	446.1	488.1	497.7	473.0	485.9
30°	603.2	566.1	546.5	533.6	519.6	522.9	520.7	561.6	518.4	528.5	522.9
32.5°	701.9	698.5	688.4	568.9	577.4	545.9	607.1	600.9	670.5	692.4	689.0
35°	839.4	785.5	719.9	658.2	599.2	648.6	627.3	699.1	716.5	726.6	747.4
37.5°	960.0	942.6	881.5	698.0	663.8	667.7	717.6	749.0	774.9	792.8	801.8
40°	1070.5	1057.6	1016.7	815.8	698.5	724.9	765.9	783.3	834.3	867.4	868.0
42.5°	1234.4	1242.2	1204.1	922.4	792.8	805.2	839.9	842.7	888.2	954.4	956.6
45°	1439.2	1428.5	1419.0	1077.3	882.6	874.7	923.0	916.2	986.4	1079.5	1090.7
47.5°	1636.7	1621.5	1595.7	1255.7	1007.1	952.7	1020.0	1025.7	1135.1	1254.0	1258.5
50°	1789.3	1783.7	1757.9	1463.3	1172.7	1060.4	1127.8	1194.0	1310.1	1453.2	1462.7
52.5°	1957.6	1944.7	1899.3	1658.0	1385.3	1222.6	1256.8	1373.0	1494.7	1651.8	1650.7
55°	2069.8	2071.5	2028.3	1856.6	1578.3	1406.1	1419.5	1598.0	1663.0	1823.5	1835.3
57.5°	2219.1	2206.7	2218.5	2090.0	1839.8	1592.4	1623.8	1778.1	1836.4	2034.5	2042.3
60°	2330.2	2334.7	2393.0	2305.5	2042.3	1782.0	1808.9	1925.1	2009.2	2241.0	2265.7
62.5°	2334.1	2358.2	2515.3	2521.5	2261.7	1987.4	1970.0	2075.4	2149.5	2465.4	2495.1
65°	2120.3	2134.9	2489.0	2578.7	2465.4	2188.8	2123.1	2202.3	2288.1	2708.3	2714.0
67.5°	1906.0	1910.5	2252.2	2561.9	2587.7	2430.6	2286.4	2340.8	2423.9	2868.3	2848.6
68°	1847.6	1881.3	2211.2	2552.4	2595.6	2474.4	2311.1	2367.2	2457.0	2873.3	2845.8
70°	1674.8	1710.7	2014.3	2445.8	2591.6	2639.3	2446.3	2454.2	2477.7	2703.9	2615.8
72.5°	1126.1	1150.2	1594.0	2081.6	2507.5	2831.2	2597.3	2402.6	2223.0	1982.3	1904.3
75°	433.2	436.0	803.5	1430.8	2168.0	2735.3	2437.9	2025.5	1509.9	965.1	906.1
77.5°	161.6	158.8	232.8	663.2	1376.3	2125.4	1820.2	1241.7	629.0	253.0	247.4
80°	57.2	58.9	90.3	199.7	559.4	1241.7	1013.3	505.5	185.2	56.1	51.6
82.5°	22.4	24.1	46.0	94.8	240.1	521.2	432.6	214.9	108.3	21.3	20.2
85°	5.0	5.6	18.0	47.1	91.5	150.9	152.1	131.3	89.8	10.1	9.5
87.5°	0.6	1.1	5.0	6.2	7.3	3.9	12.9	13.5	24.7	3.9	3.9
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: P415743

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.7	1.7	1.7	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.7	1.7	1.7	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.7	1.7	1.7	1.1	0.6	0.6	0.0	49.4	51.1	52.7	53.3
10°	1.7	1.7	1.7	1.1	1.1	51.6	60.6	58.4	54.4	52.7	53.3
12.5°	61.2	59.5	19.1	3.9	47.1	56.7	46.6	38.7	34.8	32.0	32.0
15°	133.5	128.5	107.2	81.9	76.9	43.8	29.7	25.2	37.0	44.9	44.9
17.5°	142.0	135.8	120.1	118.9	78.0	38.2	30.9	39.8	42.1	44.3	44.3
20°	274.9	246.3	169.4	113.9	57.2	46.6	38.7	38.2	39.8	42.6	43.2
22.5°	294.6	280.5	213.2	138.0	52.2	50.5	44.9	42.6	57.2	62.3	62.3
25°	374.2	360.8	229.5	110.0	63.4	51.6	56.7	53.3	54.4	58.9	58.9
27.5°	478.6	453.9	301.3	92.6	58.9	56.1	57.8	53.3	62.8	74.6	74.6
30°	530.2	480.8	288.4	81.9	60.0	61.2	55.5	65.1	65.1	69.6	70.1
32.5°	707.5	673.3	324.9	69.0	60.0	56.1	60.6	61.7	60.6	78.6	79.1
35°	753.0	712.0	278.3	71.8	57.2	54.4	54.4	61.2	65.1	69.0	69.6
37.5°	808.5	755.2	218.8	67.3	59.5	52.7	49.9	52.2	57.2	67.3	67.9
40°	879.2	802.3	168.3	63.4	55.5	48.3	45.4	47.7	47.7	50.5	51.1
42.5°	974.6	858.5	124.6	60.6	52.2	44.3	39.8	37.0	35.3	34.8	35.3
45°	1105.3	930.3	93.1	57.8	49.9	39.3	33.1	26.9	22.4	22.4	23.0
47.5°	1260.8	1010.5	75.7	53.3	46.6	33.7	25.2	17.4	14.0	14.6	15.1
50°	1426.3	1095.2	66.2	49.4	42.6	27.5	16.8	10.7	9.0	9.5	10.1
52.5°	1579.4	1150.2	62.3	45.4	37.6	21.3	10.7	7.3	6.7	6.7	7.3
55°	1733.2	1191.7	58.9	41.5	30.3	14.0	6.2	5.6	5.6	5.0	5.0
57.5°	1876.3	1216.4	53.3	35.9	21.3	8.4	4.5	4.5	3.9	3.9	3.9
60°	2007.6	1213.6	42.6	26.9	13.5	5.0	3.4	3.4	2.8	2.8	2.8
62.5°	2141.7	1201.3	30.3	19.1	9.0	3.4	2.2	2.2	1.7	1.1	1.7
65°	2222.4	1166.5	20.2	13.5	5.6	2.2	1.7	1.1	0.6	0.0	0.6
67.5°	2188.8	1065.5	15.1	10.1	3.9	1.7	1.1	0.6	0.0	0.0	0.0
68°	2157.9	1033.5	14.0	9.5	3.4	1.7	1.1	0.6	0.0	0.0	0.0
70°	1915.0	861.3	12.3	7.9	2.8	1.7	1.1	0.6	0.0	0.0	0.0
72.5°	1277.6	559.4	10.1	6.2	2.2	1.1	1.1	0.6	0.0	0.0	0.0
75°	589.1	179.5	7.9	5.0	1.7	1.1	1.1	0.6	0.0	0.0	0.0
77.5°	157.1	38.2	5.0	3.4	1.7	1.1	1.1	0.6	0.6	0.6	0.0
80°	37.6	11.8	3.4	2.8	1.7	1.1	1.1	0.6	0.6	0.6	0.0
82.5°	14.0	6.2	2.2	2.2	1.7	1.1	1.1	0.6	1.1	1.1	0.0
85°	6.2	3.9	2.2	2.2	1.7	1.1	1.1	1.1	1.1	1.7	0.0
87.5°	2.8	2.8	2.2	2.2	2.2	1.1	1.7	1.7	1.7	1.7	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)