

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: P416227

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416227
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-PA1-70-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 5894 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 74
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

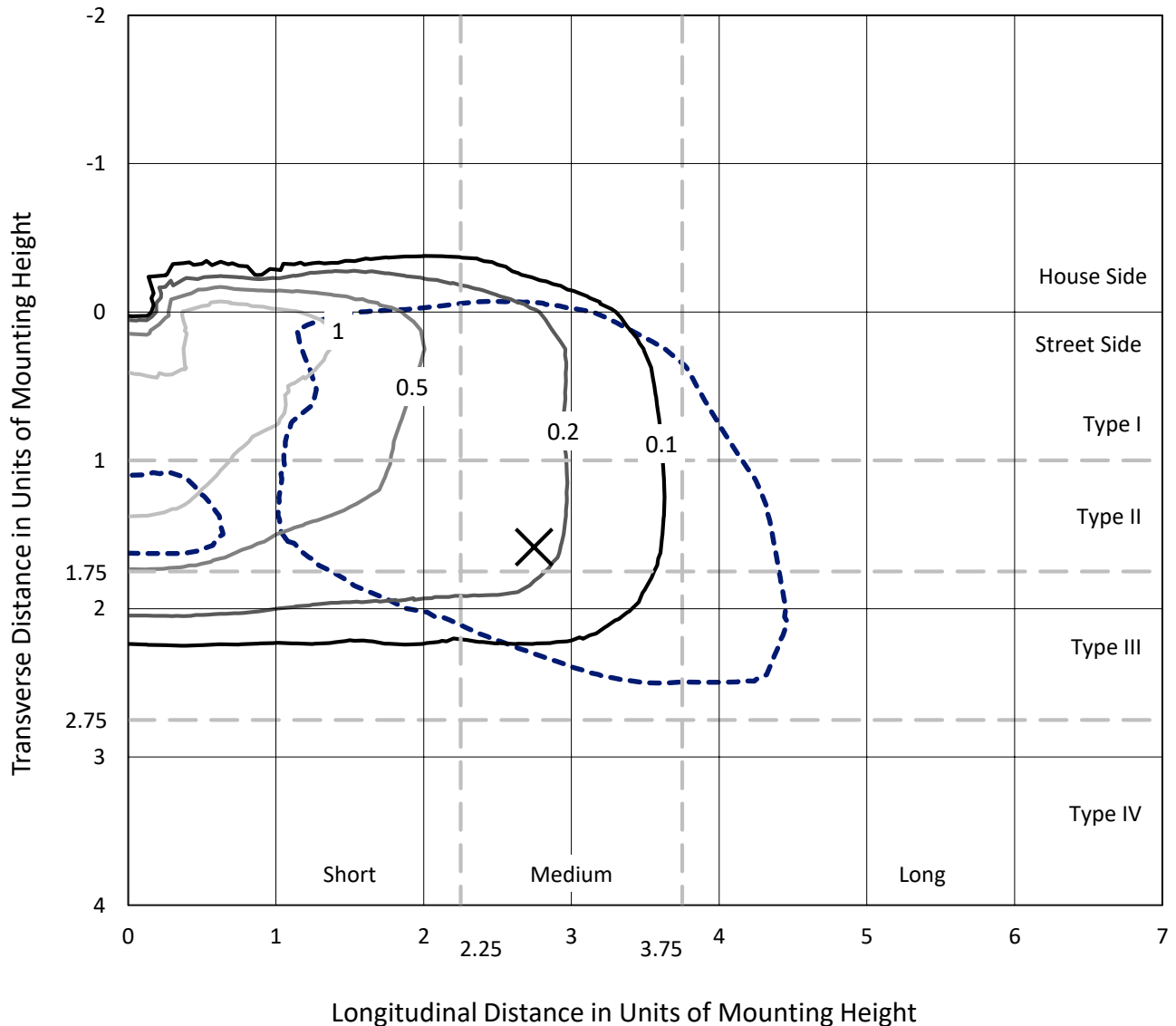


REPORT NUMBER: P416227

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

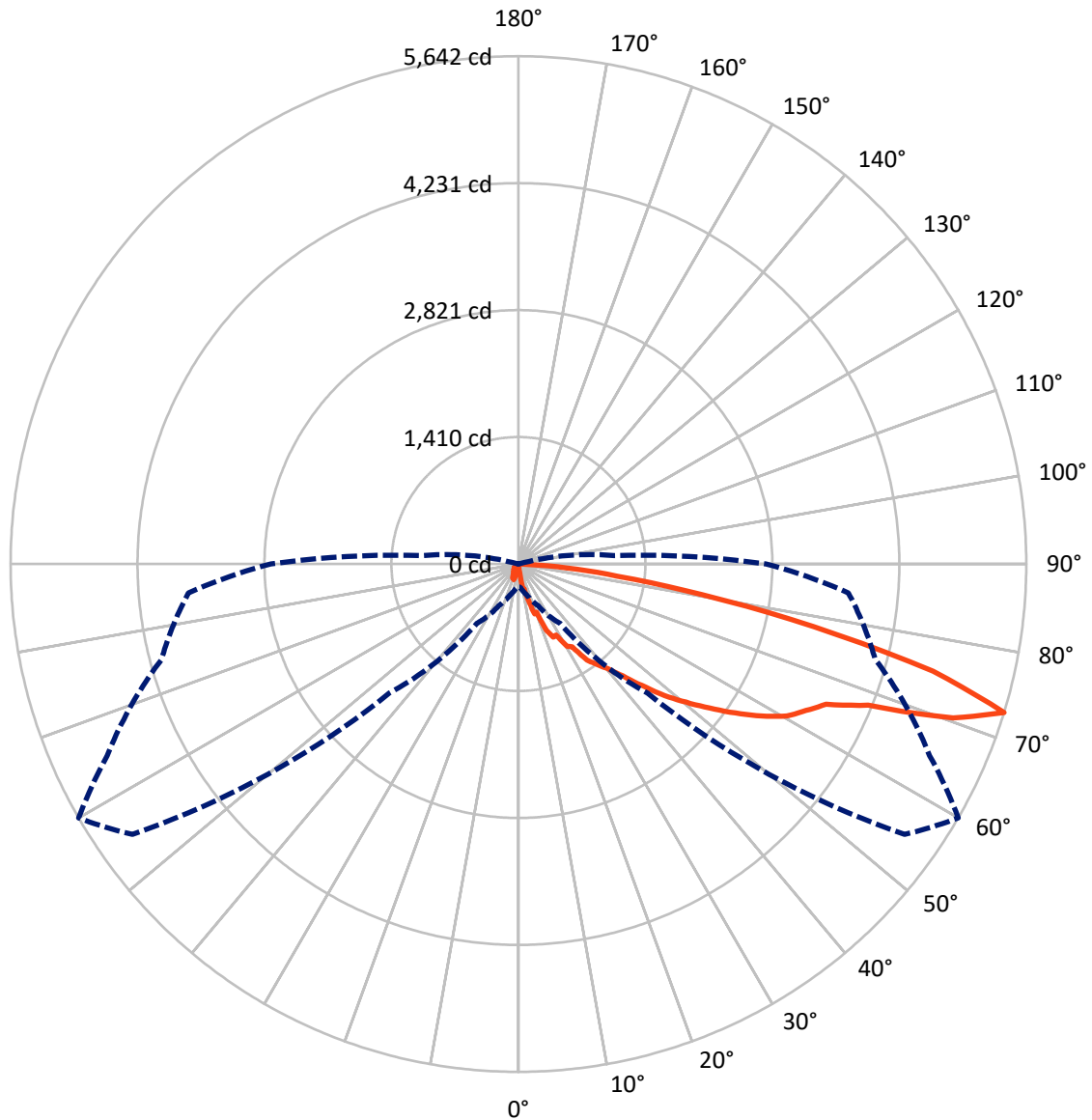
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P416227
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-HSS

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-HSS

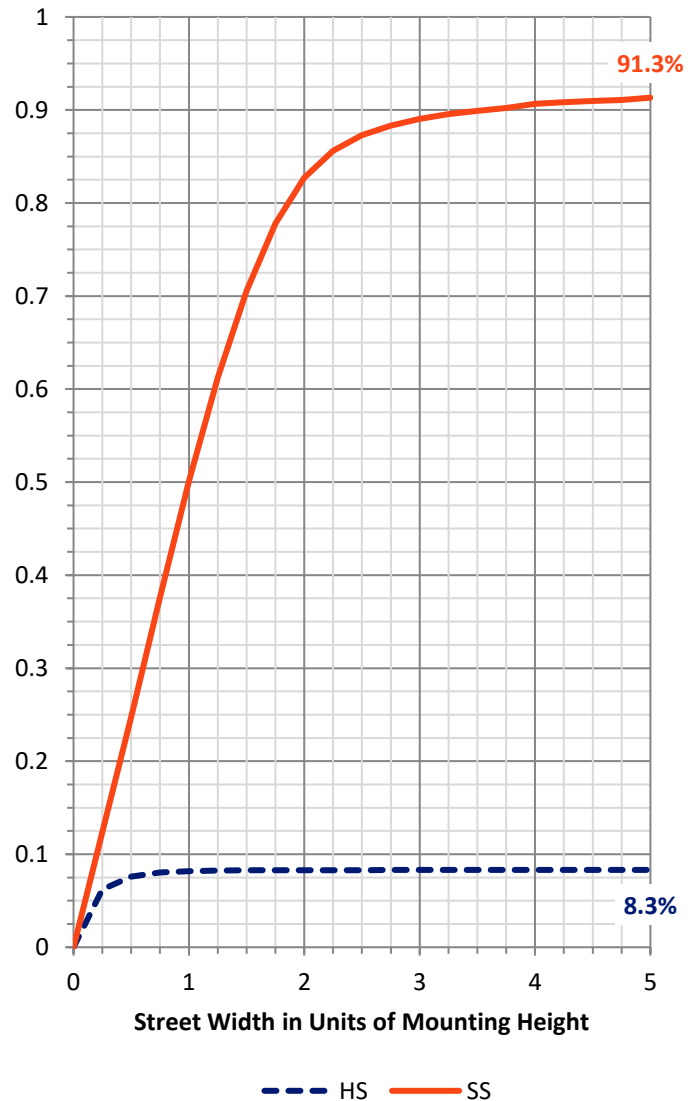
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	494.3	0.0	494.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5399.7	0.0	5399.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	5894.0	0.0	5894.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	82.1	1.4
20°-30°	256.7	4.4
30°-40°	553.5	9.4
40°-50°	941.0	16.0
50°-60°	1391.2	23.6
60°-70°	1513.3	25.7
70°-80°	1031.3	17.5
80°-90°	117.0	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°	5894.0	100.0
0°-180°	5894.0	100.0



REPORT NUMBER: P416227

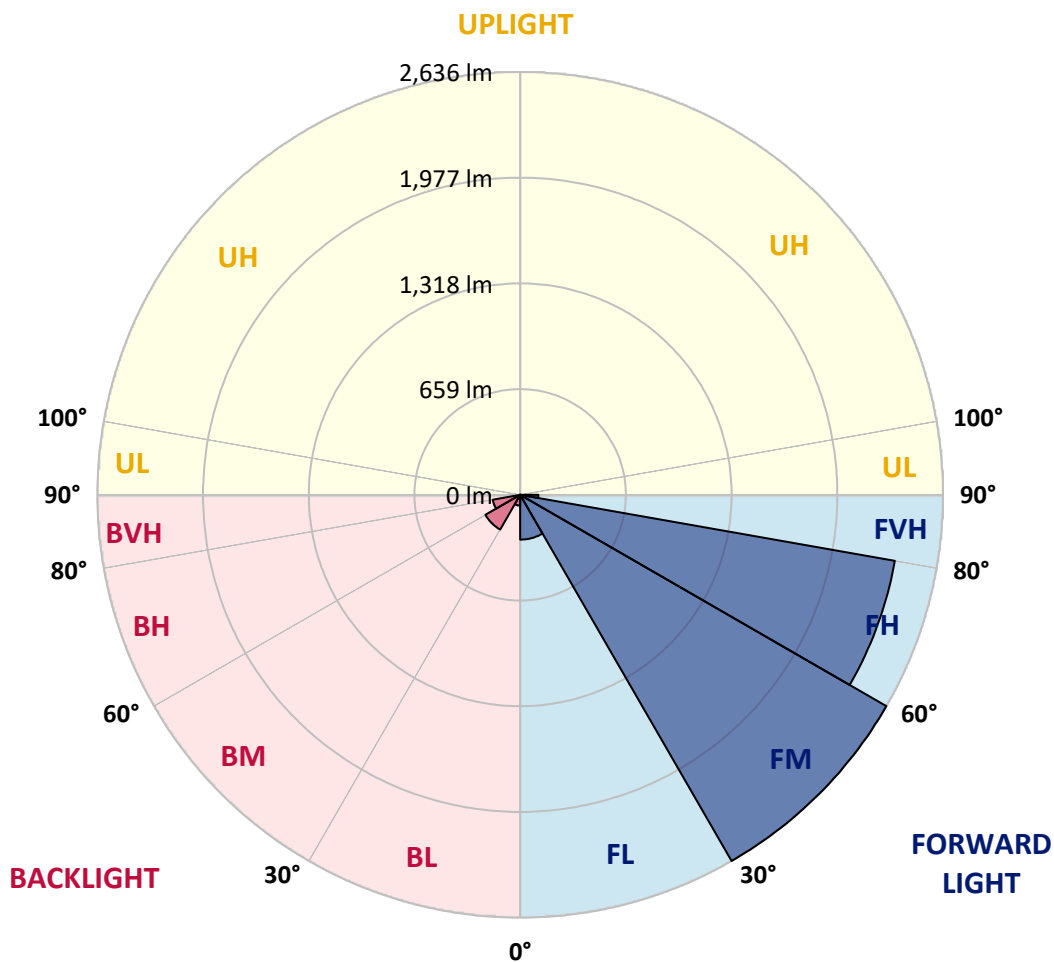
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.1	4.7			
FM	(30°-60°)	2635.7	44.7			
FH	(60°-80°)	2371.4	40.2			G2/5000
FVH	(80°-90°)	113.4	1.9			G2/225
BL	(0°-30°)	67.6	1.1	B0/110		
BM	(30°-60°)	250.0	4.2	B1/1000		
BH	(60°-80°)	173.2	2.9	B1/500		G1/500
BVH	(80°-90°)	3.5	0.1			G0/10
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: P416227

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	5.4	3.8	3.8	3.1	2.3	2.3	2.3	3.1	3.1	2.3	3.1
5°	301.5	297.7	297.7	299.2	194.4	32.9	18.4	7.7	3.1	3.1	3.1
7.5°	286.2	283.1	284.6	288.5	290.8	294.6	294.6	90.3	29.1	3.1	3.1
10°	293.1	290.8	278.5	276.2	280.8	284.6	286.2	293.1	284.6	8.4	3.1
12.5°	515.7	511.9	511.9	518.8	301.5	275.5	278.5	285.4	246.4	32.1	17.6
15°	493.5	490.5	491.3	499.7	511.1	362.7	286.2	423.9	544.0	491.3	390.2
17.5°	688.7	593.0	512.7	488.2	490.5	506.6	554.8	583.1	553.2	559.4	425.4
20°	703.2	697.9	694.8	700.1	502.0	668.0	705.5	572.4	557.1	599.1	785.1
22.5°	727.7	715.5	691.0	687.9	772.8	658.1	683.3	800.4	821.8	877.7	817.2
25°	985.6	976.4	951.1	723.9	792.7	756.0	861.6	900.6	887.6	924.3	886.1
27.5°	1082.7	1065.1	1010.8	939.7	841.7	891.4	871.5	893.0	980.2	1273.3	1249.6
30°	1517.4	1470.7	1320.7	1082.0	1000.9	928.2	1013.9	1059.0	1132.5	1303.1	1280.9
32.5°	1649.0	1599.2	1490.6	1377.3	1186.0	1052.1	1115.6	1095.7	1148.5	1590.1	1681.9
35°	2032.3	2009.4	1813.5	1499.0	1450.0	1241.1	1171.5	1308.5	1386.5	1612.3	1767.6
37.5°	2036.9	2038.5	2027.0	1814.3	1590.1	1394.9	1407.9	1413.3	1473.8	1717.8	1867.1
40°	2102.0	2112.7	2141.0	1980.3	1791.3	1617.6	1583.2	1529.6	1583.2	1836.5	2003.3
42.5°	2238.2	2245.8	2308.6	2141.0	1950.5	1791.3	1808.9	1699.5	1738.5	2060.7	2188.4
45°	2477.7	2473.1	2551.9	2310.1	2098.9	1989.5	2009.4	1925.2	1901.5	2244.3	2405.8
47.5°	2748.6	2765.4	2762.3	2496.8	2246.6	2173.9	2231.3	2186.1	2092.8	2478.4	2659.0
50°	3004.9	2999.5	2920.0	2602.4	2378.2	2354.5	2486.9	2412.6	2327.7	2716.4	2903.1
52.5°	3098.2	3102.8	3008.0	2665.9	2490.7	2533.5	2731.7	2656.7	2546.5	2886.3	3145.7
55°	3081.4	3087.5	3034.0	2731.0	2574.9	2701.1	2985.8	2921.5	2797.5	3070.7	3327.8
57.5°	2923.8	2923.8	2967.4	2771.5	2656.7	2851.1	3212.3	3186.2	3033.2	3223.7	3436.5
60°	2521.3	2564.1	2701.1	2722.5	2753.1	3013.3	3436.5	3428.0	3242.1	3366.8	3500.7
62.5°	1939.0	1952.8	2255.8	2485.3	2760.8	3231.4	3625.5	3584.9	3396.7	3410.4	3545.9
65°	1099.6	1162.3	1442.4	2022.4	2603.9	3459.4	3929.2	3755.5	3532.1	3462.5	3711.9
67.5°	592.3	615.2	771.3	1224.3	2134.1	3484.7	4617.9	4188.6	3853.5	3736.4	4037.1
70°	382.6	407.1	491.3	672.6	1338.3	3081.4	5266.0	5121.4	4516.9	4111.4	4086.9
72.5°	248.7	263.2	354.3	506.6	805.0	2030.0	5236.2	5641.7	5041.1	4104.5	3679.0
75°	101.0	111.0	177.5	421.6	680.3	994.7	4017.2	4757.2	4732.7	3647.7	2847.3
77.5°	50.5	53.6	78.8	228.0	603.7	688.7	2542.0	3355.3	3369.1	2659.0	1583.2
80°	32.9	32.1	45.1	107.1	411.7	626.7	1421.7	2061.4	1927.5	1008.5	443.8
82.5°	13.0	13.8	24.5	61.2	172.2	567.0	811.1	1109.5	867.7	196.7	127.8
85°	2.3	2.3	7.7	32.9	54.3	259.4	523.4	537.2	356.6	62.0	64.3
87.5°	0.8	0.8	1.5	2.3	3.8	6.1	23.0	10.7	6.9	10.7	12.2
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: P416227

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.1	3.1	3.1	2.3	2.3	1.5	0.0	0.0	0.8	0.8	0.8
5°	3.1	3.1	3.1	2.3	2.3	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.1	3.1	3.1	2.3	1.5	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.1	3.1	3.1	2.3	1.5	0.8	22.2	141.6	146.2	146.9	145.4
12.5°	19.1	19.9	10.7	2.3	1.5	131.6	130.8	109.4	95.6	90.3	83.4
15°	415.5	394.8	326.7	192.8	106.4	107.9	79.6	58.9	47.4	44.4	42.9
17.5°	411.7	381.8	300.7	176.0	185.2	81.1	42.9	47.4	62.0	62.7	62.7
20°	773.6	678.7	293.8	196.7	124.7	70.4	55.9	58.9	58.9	59.7	58.9
22.5°	806.5	711.6	440.0	251.0	89.5	74.2	63.5	55.1	56.6	73.5	71.2
25°	813.4	697.9	407.8	196.7	86.5	74.2	69.6	67.3	75.8	75.8	76.5
27.5°	1172.3	981.0	494.3	147.7	85.7	77.3	77.3	70.4	68.1	67.3	68.1
30°	1170.0	947.3	421.6	124.7	82.6	76.5	69.6	62.7	75.8	76.5	76.5
32.5°	1535.7	1211.3	407.8	101.0	82.6	70.4	61.2	65.0	60.4	60.4	60.4
35°	1557.2	1180.7	321.4	104.8	73.5	64.3	59.7	50.5	53.6	54.3	52.8
37.5°	1598.5	1159.3	244.1	94.9	73.5	59.7	49.0	45.1	42.1	41.3	41.3
40°	1672.7	1160.8	188.2	87.2	68.9	54.3	43.6	36.7	38.3	38.3	37.5
42.5°	1783.7	1183.0	147.7	80.3	62.0	48.2	36.7	32.9	30.6	30.6	29.8
45°	1930.6	1230.4	120.9	75.0	56.6	41.3	29.8	26.8	24.5	24.5	23.7
47.5°	2112.7	1297.0	105.6	69.6	50.5	34.4	24.5	21.4	19.9	19.1	19.1
50°	2307.0	1376.6	97.2	65.0	43.6	27.5	19.9	16.8	15.3	15.3	14.5
52.5°	2508.3	1467.6	90.3	62.0	37.5	23.0	15.3	12.2	11.5	10.7	11.5
55°	2671.3	1522.7	85.7	61.2	31.4	18.4	11.5	9.2	8.4	7.7	7.7
57.5°	2778.4	1552.6	79.6	56.6	25.3	13.8	8.4	6.1	5.4	5.4	5.4
60°	2862.6	1569.4	71.9	45.1	19.9	9.9	5.4	3.8	3.8	3.8	3.8
62.5°	2929.1	1580.9	60.4	35.2	15.3	6.9	3.8	2.3	2.3	2.3	2.3
65°	3126.6	1648.2	46.7	26.8	11.5	4.6	2.3	1.5	0.8	1.5	1.5
67.5°	3366.8	1676.5	34.4	19.1	8.4	3.1	1.5	0.8	0.8	0.8	1.5
70°	3271.9	1460.7	25.3	13.8	6.1	2.3	1.5	0.8	0.8	0.8	1.5
72.5°	2749.3	1067.4	18.4	9.9	4.6	2.3	1.5	0.8	0.8	1.5	1.5
75°	1977.2	602.2	14.5	6.9	3.8	2.3	1.5	1.5	1.5	2.3	2.3
77.5°	930.5	224.2	14.5	6.1	3.8	2.3	1.5	1.5	2.3	3.1	1.5
80°	225.7	55.9	14.5	5.4	3.8	2.3	2.3	2.3	3.1	3.1	1.5
82.5°	75.8	23.7	10.7	4.6	3.8	2.3	2.3	3.1	3.1	3.8	2.3
85°	45.9	15.3	7.7	5.4	4.6	2.3	3.1	3.1	3.8	4.6	2.3
87.5°	7.7	6.1	5.4	5.4	4.6	3.1	3.1	3.8	3.8	4.6	3.1
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)