

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: P415847

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415847
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-PA1-60-727-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 4711 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

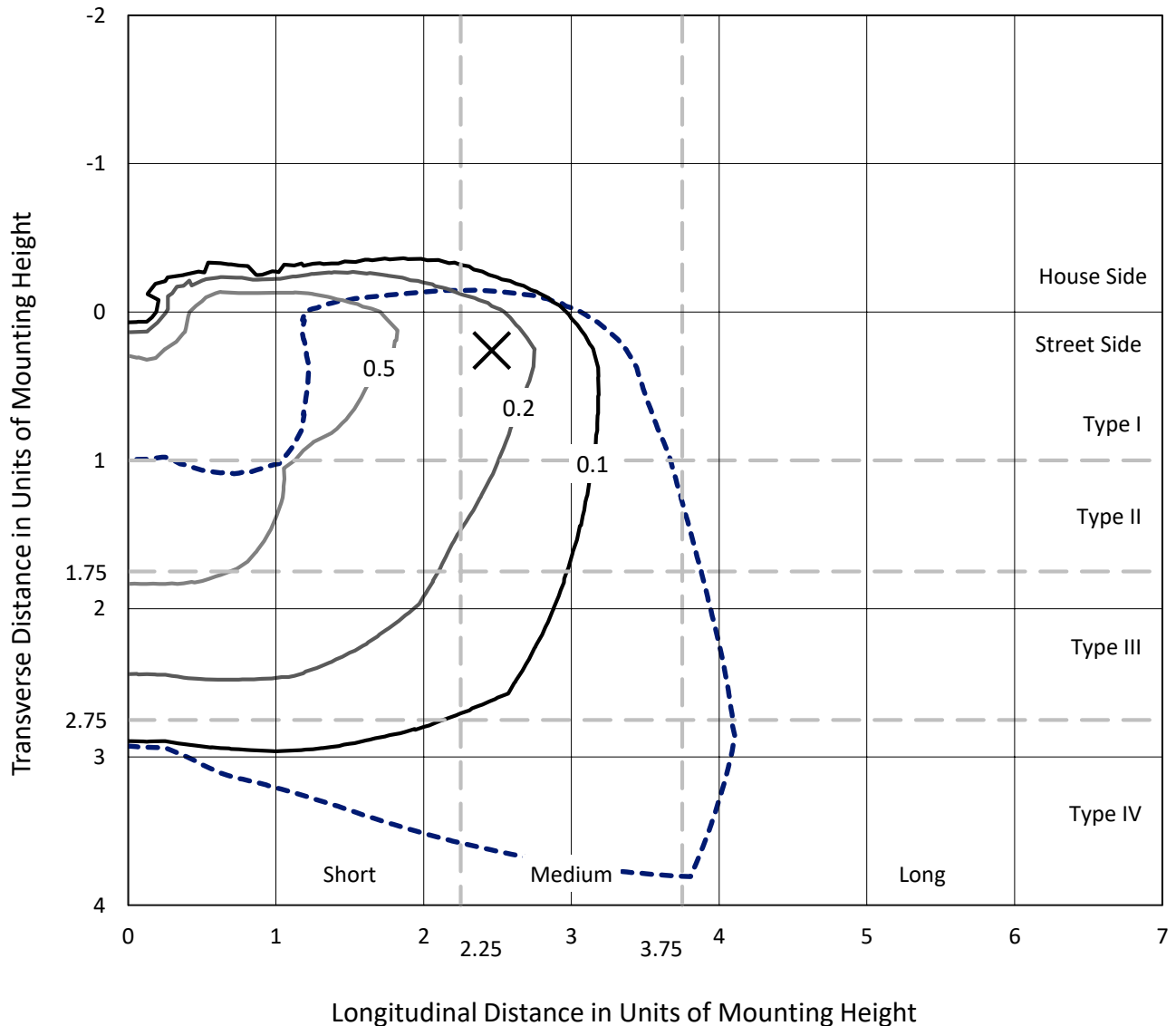
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

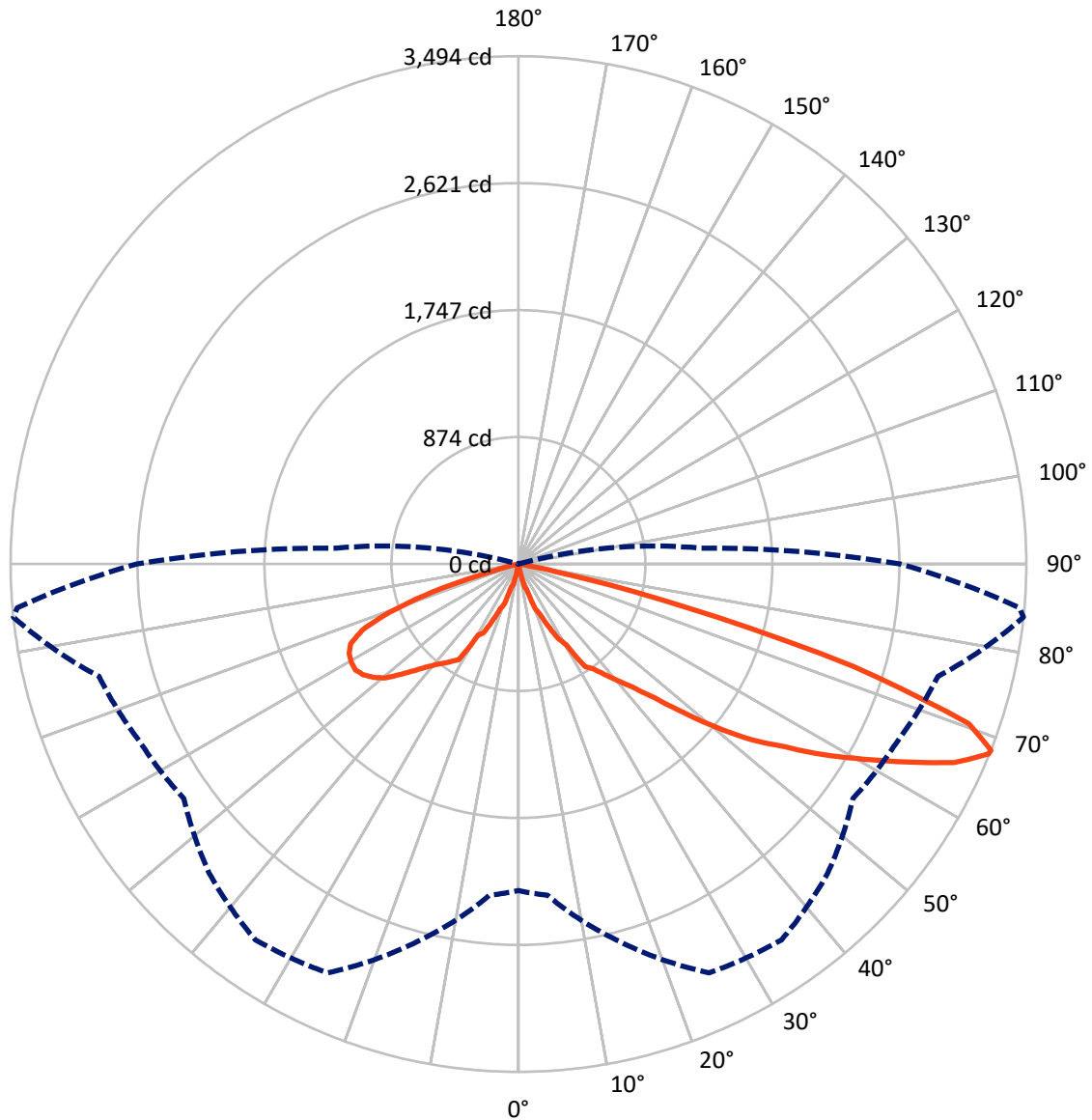
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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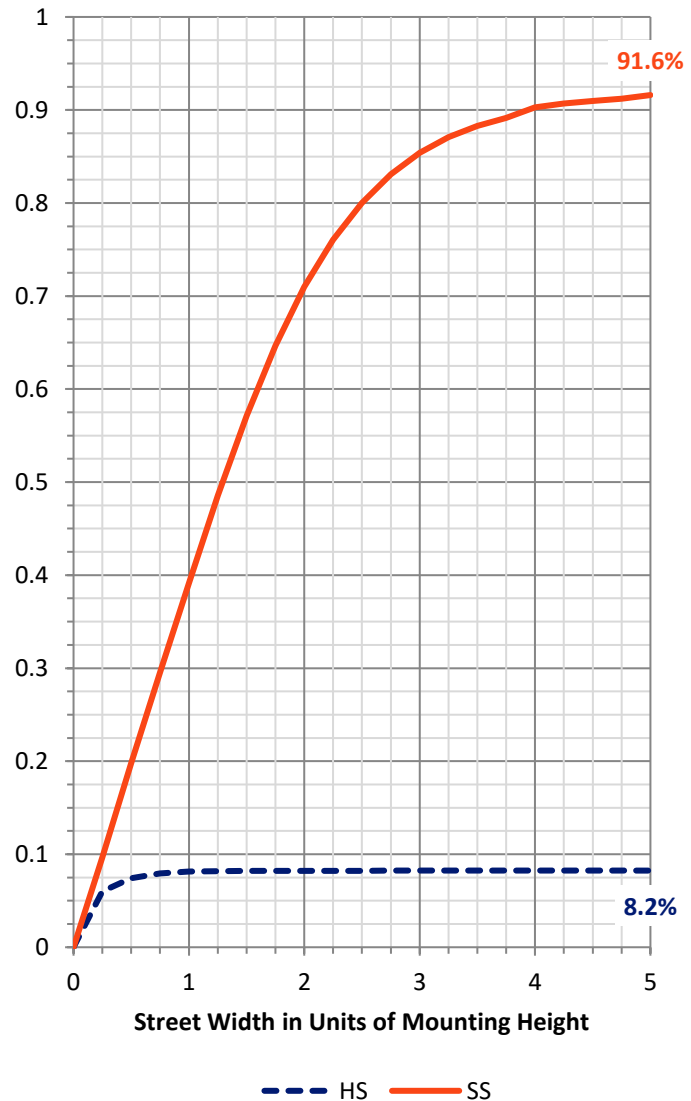
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.5	0.0	391.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	4319.5	0.0	4319.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	4711.0	0.0	4711.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	42.6	0.9
20°-30°	152.7	3.2
30°-40°	326.2	6.9
40°-50°	582.9	12.4
50°-60°	1034.3	22.0
60°-70°	1486.4	31.6
70°-80°	1000.6	21.2
80°-90°	82.2	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°	4711.0	100.0
0°-180°	4711.0	100.0



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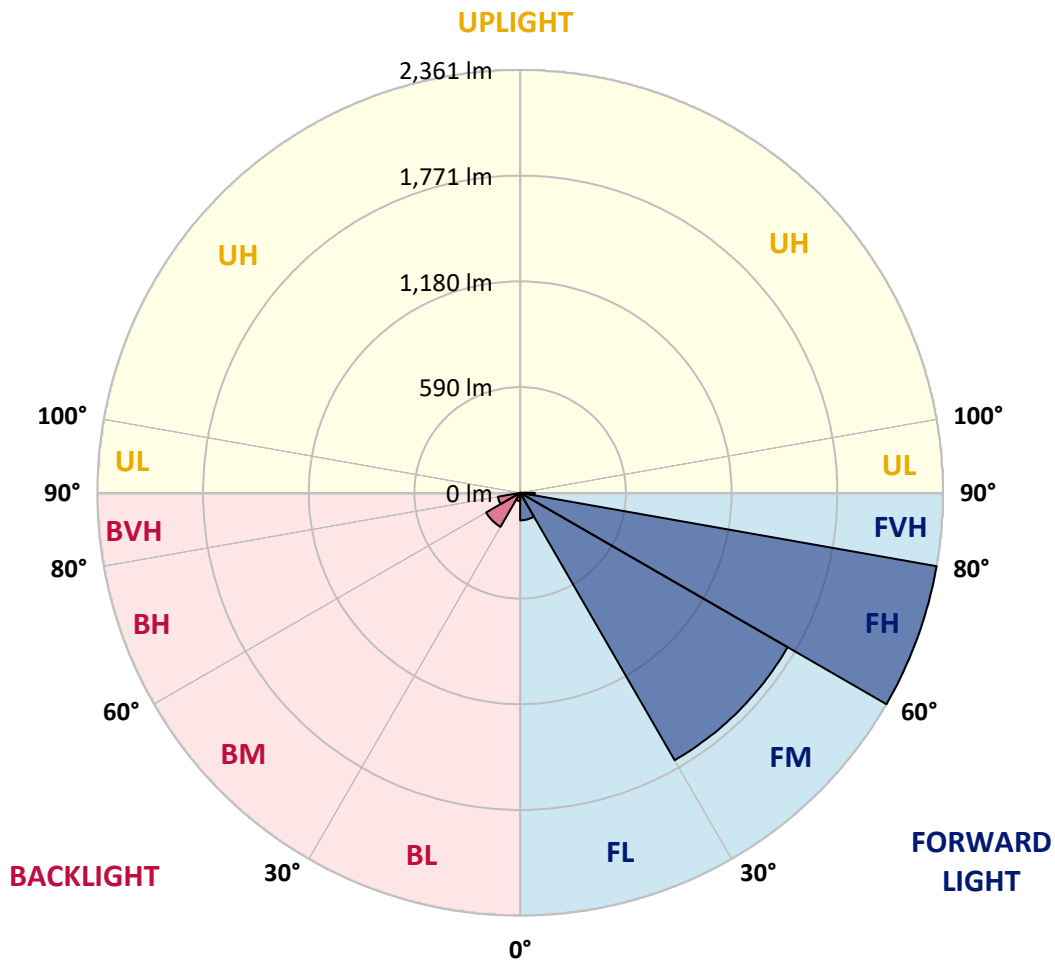
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.6	3.3			
FM	(30°-60°)	1724.0	36.6			
FH	(60°-80°)	2360.9	50.1			G2/5000
FVH	(80°-90°)	81.0	1.7			G1/100
BL	(0°-30°)	44.9	1.0	B0/110		
BM	(30°-60°)	219.3	4.7	B0/220		
BH	(60°-80°)	126.0	2.7	B1/500		G1/500
BVH	(80°-90°)	1.2	0.0			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	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°	0.7	0.7	0.0	0.7	0.7	1.4	1.4	2.0	2.0	2.0	2.0
5°	36.2	30.7	30.0	26.6	19.1	4.8	1.4	2.0	2.0	2.0	2.0
7.5°	129.6	127.6	126.2	123.5	120.8	92.8	18.4	2.0	2.0	2.0	2.0
10°	139.2	136.5	134.4	131.0	126.9	122.1	116.7	15.0	2.0	2.0	2.0
12.5°	287.9	284.5	197.2	163.1	134.4	127.6	123.5	64.1	59.4	67.5	77.1
15°	302.9	300.2	292.7	283.2	254.5	144.0	193.8	240.9	156.9	167.2	167.2
17.5°	337.7	332.3	306.4	292.0	280.4	308.4	283.2	257.9	169.2	179.4	179.4
20°	472.8	471.5	464.0	324.1	294.8	390.3	308.4	275.0	312.5	326.1	310.5
22.5°	476.9	475.6	470.1	451.7	463.3	401.2	442.8	415.5	426.4	372.5	369.8
25°	632.5	627.0	502.2	459.9	522.6	427.8	526.7	458.5	450.3	465.3	465.3
27.5°	644.1	642.7	638.6	612.0	536.3	605.9	542.4	593.6	605.2	575.2	590.9
30°	733.5	688.4	664.6	648.9	631.8	635.9	633.2	683.0	630.5	642.7	635.9
32.5°	853.6	849.5	837.2	691.9	702.1	663.9	738.3	730.8	815.4	842.0	837.9
35°	1020.7	955.2	875.4	800.3	728.7	788.7	762.8	850.2	871.3	883.6	908.8
37.5°	1167.4	1146.3	1071.9	848.8	807.2	811.9	872.7	910.9	942.3	964.1	975.0
40°	1301.8	1286.2	1236.3	992.1	849.5	881.5	931.4	952.5	1014.6	1054.8	1055.5
42.5°	1501.1	1510.6	1464.2	1121.7	964.1	979.1	1021.4	1024.8	1080.1	1160.6	1163.3
45°	1750.1	1737.2	1725.6	1310.0	1073.3	1063.7	1122.4	1114.2	1199.5	1312.8	1326.4
47.5°	1990.3	1971.9	1940.5	1527.0	1224.7	1158.6	1240.4	1247.3	1380.3	1525.0	1530.4
50°	2175.9	2169.1	2137.7	1779.5	1426.0	1289.6	1371.4	1452.0	1593.2	1767.2	1778.8
52.5°	2380.6	2364.9	2309.6	2016.2	1684.6	1486.7	1528.4	1669.6	1817.7	2008.7	2007.4
55°	2517.0	2519.1	2466.5	2257.8	1919.3	1709.9	1726.2	1943.2	2022.4	2217.5	2231.8
57.5°	2698.5	2683.5	2697.8	2541.6	2237.3	1936.4	1974.6	2162.2	2233.2	2474.0	2483.6
60°	2833.6	2839.1	2910.0	2803.6	2483.6	2167.0	2199.8	2341.0	2443.3	2725.1	2755.2
62.5°	2838.4	2867.7	3058.8	3066.3	2750.4	2416.7	2395.6	2523.9	2613.9	2998.1	3034.2
65°	2578.4	2596.2	3026.7	3135.9	2998.1	2661.7	2581.9	2678.1	2782.5	3293.5	3300.3
67.5°	2317.8	2323.3	2738.8	3115.4	3146.8	2955.8	2780.4	2846.6	2947.6	3488.0	3464.1
68°	2246.8	2287.8	2689.0	3103.8	3156.4	3009.0	2810.4	2878.7	2987.8	3494.1	3460.7
70°	2036.7	2080.4	2449.5	2974.2	3151.6	3209.6	2974.9	2984.4	3013.1	3288.0	3180.9
72.5°	1369.4	1398.7	1938.4	2531.4	3049.2	3442.9	3158.4	2921.6	2703.3	2410.6	2315.8
75°	526.7	530.2	977.1	1739.9	2636.4	3326.3	2964.6	2463.1	1836.1	1173.6	1101.9
77.5°	196.5	193.1	283.2	806.5	1673.7	2584.6	2213.4	1509.9	764.9	307.7	300.9
80°	69.6	71.6	109.9	242.9	680.3	1509.9	1232.2	614.8	225.2	68.2	62.8
82.5°	27.3	29.3	55.9	115.3	292.0	633.9	526.1	261.3	131.7	25.9	24.6
85°	6.1	6.8	21.8	57.3	111.2	183.5	184.9	159.7	109.2	12.3	11.6
87.5°	0.7	1.4	6.1	7.5	8.9	4.8	15.7	16.4	30.0	4.8	4.8
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°	2.0	2.0	2.0	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	1.4	0.7	0.7	0.0	60.0	62.1	64.1	64.8
10°	2.0	2.0	2.0	1.4	1.4	62.8	73.7	71.0	66.2	64.1	64.8
12.5°	74.4	72.3	23.2	4.8	57.3	68.9	56.6	47.1	42.3	38.9	38.9
15°	162.4	156.2	130.3	99.6	93.5	53.2	36.2	30.7	45.0	54.6	54.6
17.5°	172.6	165.1	146.0	144.6	94.8	46.4	37.5	48.4	51.2	53.9	53.9
20°	334.3	299.5	206.1	138.5	69.6	56.6	47.1	46.4	48.4	51.9	52.5
22.5°	358.2	341.2	259.3	167.8	63.5	61.4	54.6	51.9	69.6	75.7	75.7
25°	455.1	438.7	279.1	133.7	77.1	62.8	68.9	64.8	66.2	71.6	71.6
27.5°	582.0	552.0	366.4	112.6	71.6	68.2	70.3	64.8	76.4	90.7	90.7
30°	644.8	584.7	350.7	99.6	73.0	74.4	67.5	79.1	79.1	84.6	85.3
32.5°	860.4	818.8	395.1	83.9	73.0	68.2	73.7	75.1	73.7	95.5	96.2
35°	915.7	865.8	338.4	87.3	69.6	66.2	66.2	74.4	79.1	83.9	84.6
37.5°	983.2	918.4	266.1	81.9	72.3	64.1	60.7	63.5	69.6	81.9	82.6
40°	1069.2	975.7	204.7	77.1	67.5	58.7	55.3	58.0	58.0	61.4	62.1
42.5°	1185.2	1043.9	151.5	73.7	63.5	53.9	48.4	45.0	43.0	42.3	43.0
45°	1344.1	1131.3	113.3	70.3	60.7	47.8	40.3	32.8	27.3	27.3	28.0
47.5°	1533.1	1228.8	92.1	64.8	56.6	40.9	30.7	21.2	17.1	17.7	18.4
50°	1734.4	1331.9	80.5	60.0	51.9	33.4	20.5	13.0	10.9	11.6	12.3
52.5°	1920.7	1398.7	75.7	55.3	45.7	25.9	13.0	8.9	8.2	8.2	8.9
55°	2107.6	1449.2	71.6	50.5	36.8	17.1	7.5	6.8	6.8	6.1	6.1
57.5°	2281.6	1479.2	64.8	43.7	25.9	10.2	5.5	5.5	4.8	4.8	4.8
60°	2441.3	1475.8	51.9	32.8	16.4	6.1	4.1	4.1	3.4	3.4	3.4
62.5°	2604.4	1460.8	36.8	23.2	10.9	4.1	2.7	2.7	2.0	1.4	2.0
65°	2702.6	1418.5	24.6	16.4	6.8	2.7	2.0	1.4	0.7	0.0	0.7
67.5°	2661.7	1295.7	18.4	12.3	4.8	2.0	1.4	0.7	0.0	0.0	0.0
68°	2624.2	1256.8	17.1	11.6	4.1	2.0	1.4	0.7	0.0	0.0	0.0
70°	2328.7	1047.3	15.0	9.6	3.4	2.0	1.4	0.7	0.0	0.0	0.0
72.5°	1553.6	680.3	12.3	7.5	2.7	1.4	1.4	0.7	0.0	0.0	0.0
75°	716.4	218.3	9.6	6.1	2.0	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	191.0	46.4	6.1	4.1	2.0	1.4	1.4	0.7	0.7	0.7	0.0
80°	45.7	14.3	4.1	3.4	2.0	1.4	1.4	0.7	0.7	0.7	0.0
82.5°	17.1	7.5	2.7	2.7	2.0	1.4	1.4	0.7	1.4	1.4	0.0
85°	7.5	4.8	2.7	2.7	2.0	1.4	1.4	1.4	1.4	2.0	0.0
87.5°	3.4	3.4	2.7	2.7	2.7	1.4	2.0	2.0	2.0	2.0	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)