

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: P415838

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
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-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4801 lumens
Efficiency: N/A
Efficacy: 75.0 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 (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

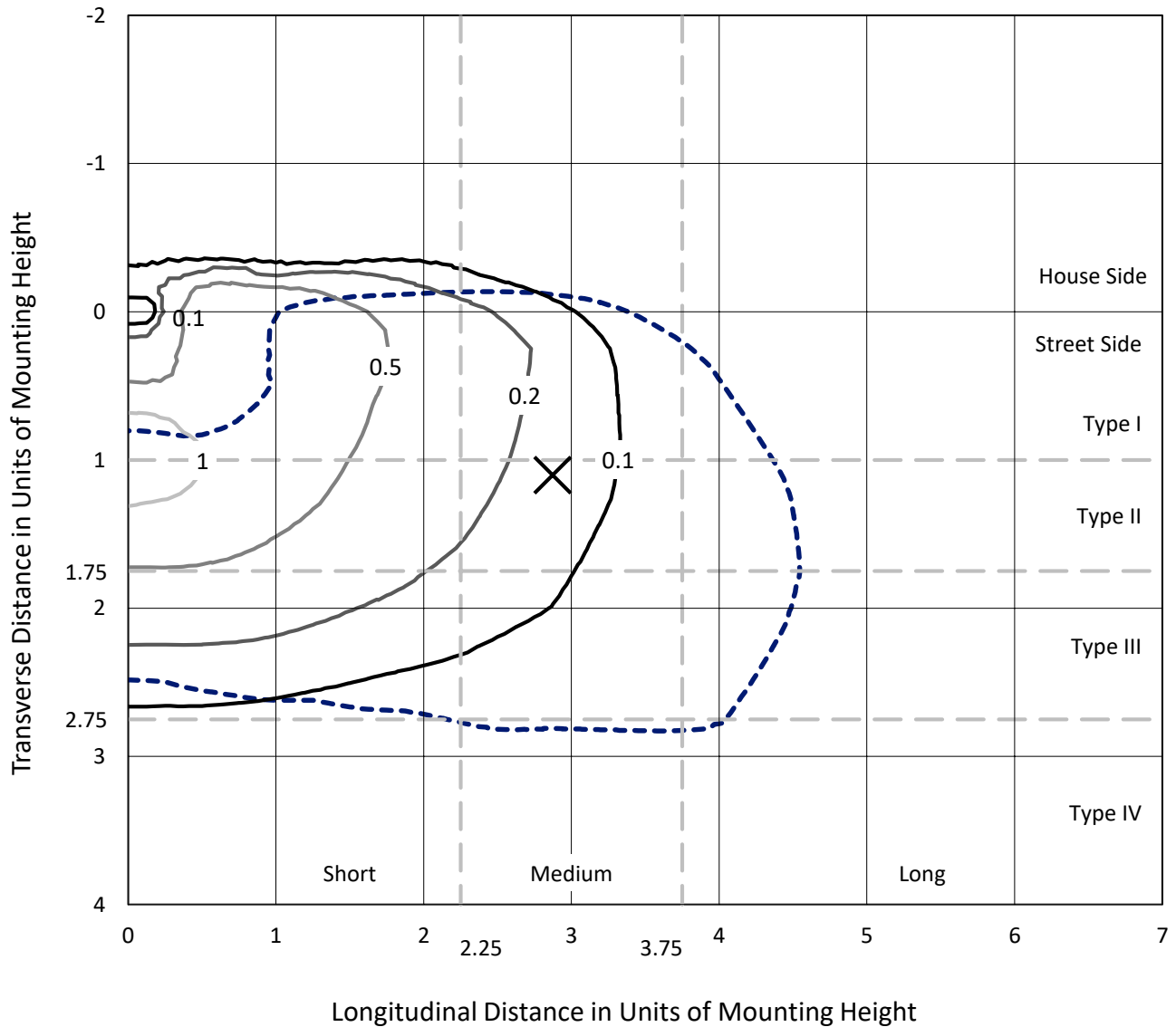


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

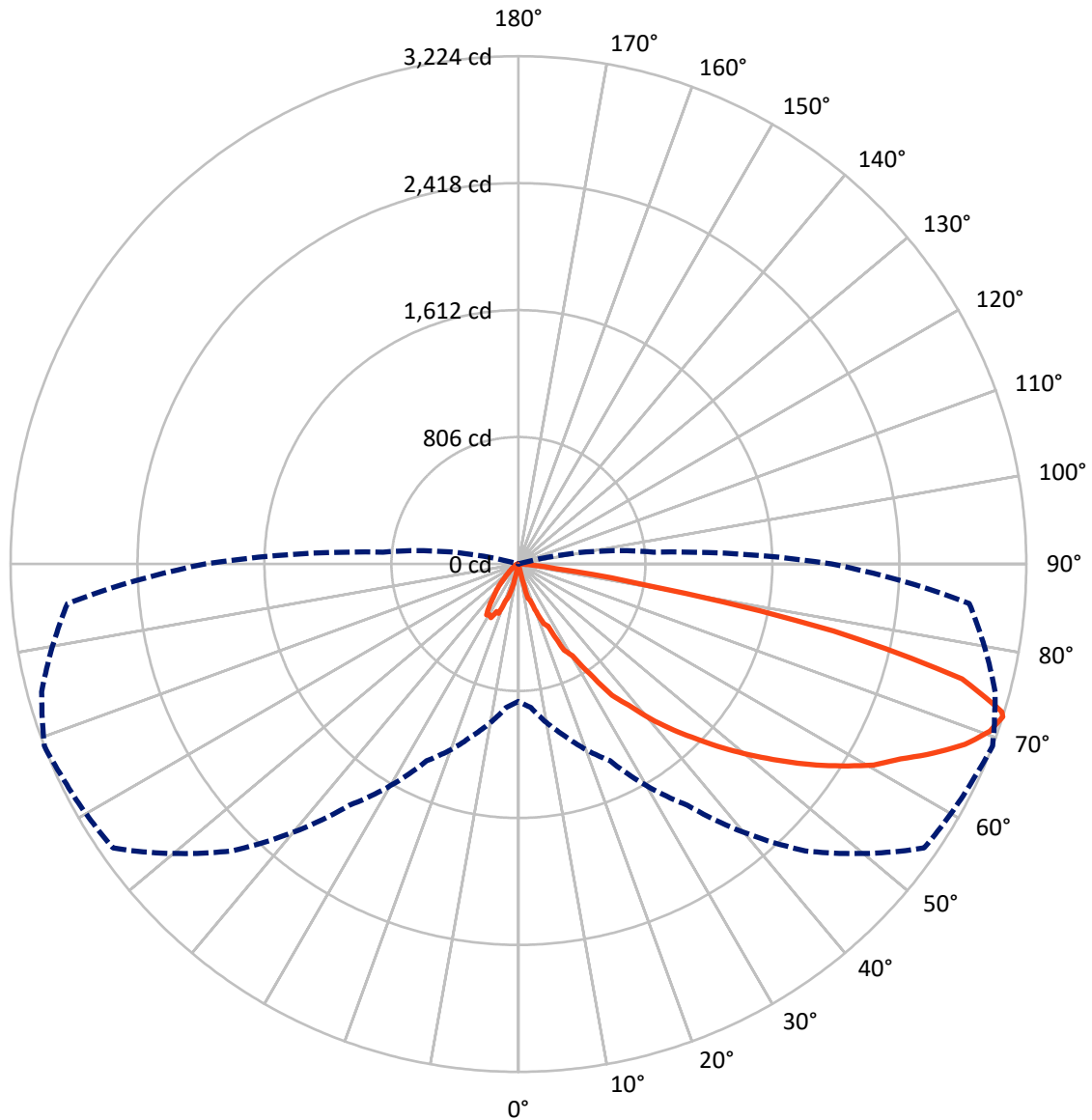


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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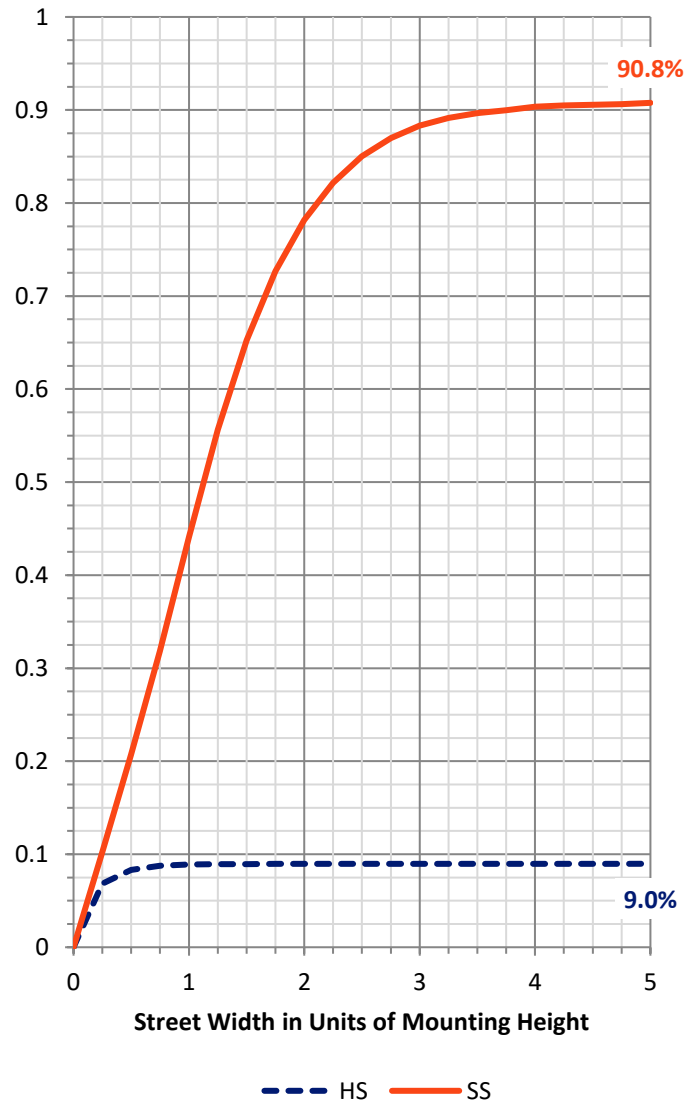
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	0.0	435.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4365.6	0.0	4365.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	4801.0	0.0	4801.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	41.7	0.9
20°-30°	149.5	3.1
30°-40°	381.9	8.0
40°-50°	755.7	15.7
50°-60°	1190.9	24.8
60°-70°	1385.2	28.9
70°-80°	840.9	17.5
80°-90°	52.0	1.1
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°	4801.0	100.0
0°-180°	4801.0	100.0



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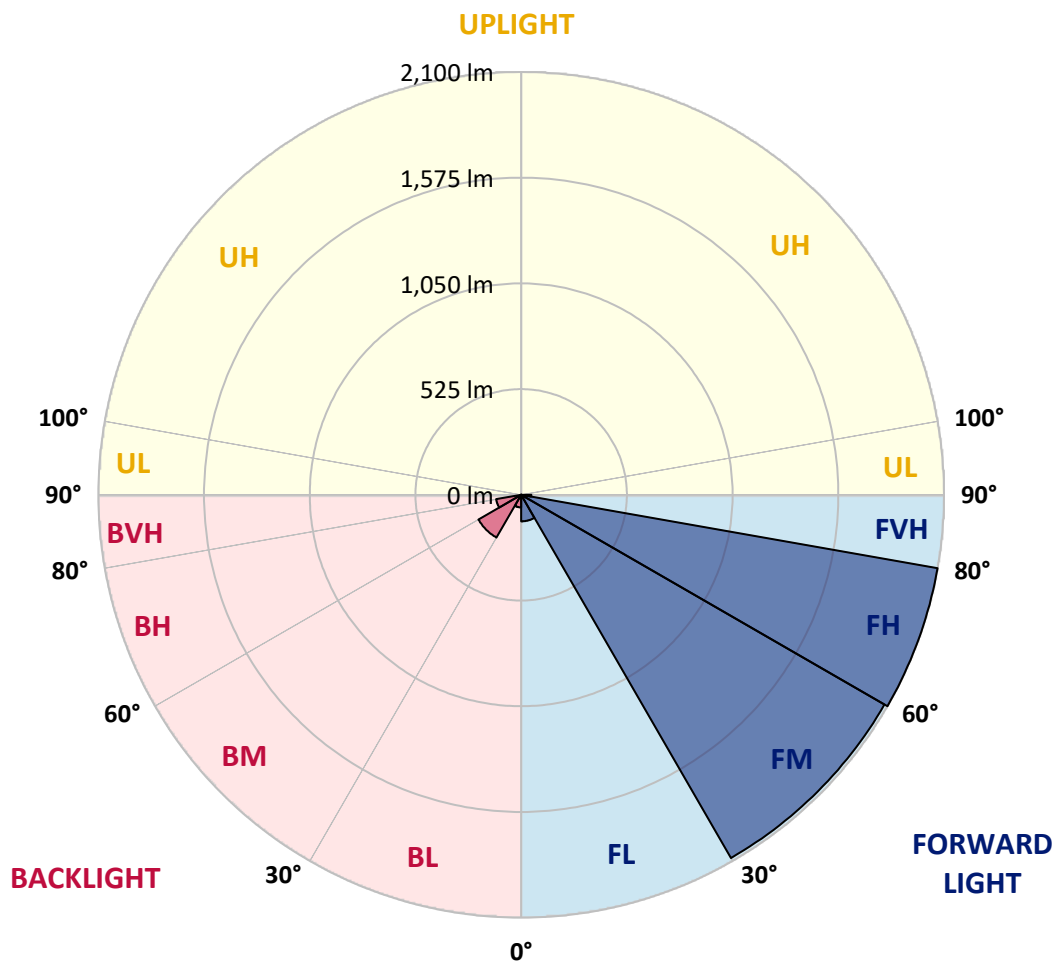
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.8	2.7			
FM	(30°-60°)	2083.5	43.4			
FH	(60°-80°)	2100.1	43.7			G2/5000
FVH	(80°-90°)	50.2	1.0			G1/100
BL	(0°-30°)	62.5	1.3	B0/110		
BM	(30°-60°)	245.1	5.1	B1/1000		
BH	(60°-80°)	126.0	2.6	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	0.7	0.7	1.4	1.4	2.0	2.0	2.0	2.0	2.0
5°	66.9	43.7	32.7	27.3	13.6	3.4	2.0	2.0	2.0	2.0	2.0
7.5°	103.0	103.0	103.7	104.4	106.4	89.4	19.1	2.0	2.0	2.0	2.0
10°	99.6	98.9	98.9	100.3	103.0	105.7	108.5	14.3	3.4	2.0	2.0
12.5°	194.4	192.4	178.7	124.8	102.3	103.7	109.2	83.2	23.2	13.6	78.5
15°	192.4	191.7	193.1	196.5	197.8	110.5	161.7	219.7	224.5	151.5	183.5
17.5°	210.1	204.0	194.4	195.8	201.9	237.4	228.6	238.1	242.9	169.9	198.5
20°	290.6	290.0	291.3	228.6	213.5	300.9	264.7	258.6	321.3	336.3	373.2
22.5°	296.8	295.4	297.5	304.3	341.8	314.5	383.4	392.3	410.7	454.4	426.4
25°	415.5	415.5	341.1	317.9	389.6	355.4	474.8	446.2	436.6	487.8	548.5
27.5°	501.4	496.0	478.2	444.1	405.3	502.8	505.5	609.9	618.8	680.9	692.5
30°	635.2	627.7	580.6	554.0	502.8	528.7	590.1	725.2	676.1	725.9	776.4
32.5°	940.1	929.2	869.9	697.9	633.8	573.1	707.5	778.4	826.9	962.0	1017.2
35°	1217.8	1146.8	1065.7	934.7	768.2	745.0	763.4	965.4	1022.7	1064.3	1120.2
37.5°	1497.5	1498.9	1417.7	1099.8	970.8	860.3	920.3	1078.6	1136.6	1198.0	1248.5
40°	1722.0	1687.9	1579.4	1346.1	1145.5	1035.0	1042.5	1189.1	1292.2	1369.3	1379.5
42.5°	2008.5	1994.2	1834.5	1571.2	1371.3	1263.5	1230.8	1303.1	1439.5	1490.7	1522.1
45°	2282.8	2261.6	2125.9	1827.7	1612.8	1492.1	1447.0	1447.7	1582.1	1636.7	1681.7
47.5°	2488.1	2454.0	2381.0	2063.8	1916.4	1741.8	1648.3	1612.8	1743.8	1814.8	1840.0
50°	2703.0	2647.1	2589.1	2330.5	2178.4	2026.9	1848.2	1808.6	1903.4	1982.6	2003.1
52.5°	2847.0	2765.8	2725.5	2520.9	2413.1	2316.9	2048.1	2003.7	2071.3	2164.7	2148.4
55°	2774.0	2748.7	2792.4	2685.3	2580.9	2474.5	2265.7	2229.6	2247.3	2325.8	2286.9
57.5°	2621.8	2629.3	2758.3	2778.8	2731.7	2631.4	2460.8	2454.7	2418.5	2482.7	2432.2
60°	2462.9	2490.9	2670.3	2772.6	2806.7	2773.3	2666.9	2621.8	2589.8	2634.8	2595.2
62.5°	2250.0	2255.5	2496.3	2718.0	2778.1	2883.8	2810.8	2789.0	2722.8	2789.7	2773.3
65°	1982.6	1989.4	2215.9	2530.4	2692.1	2905.0	2923.4	2946.6	2895.4	2913.8	2965.7
67.5°	1683.8	1696.7	1894.6	2198.2	2507.2	2863.4	3016.9	3061.2	3057.1	3051.7	3102.8
70°	1363.1	1372.0	1533.0	1799.1	2208.4	2748.7	3103.5	3160.1	3175.8	3137.6	3101.5
72°	871.9	914.9	1127.7	1378.8	1869.3	2574.8	3142.4	3196.3	3223.6	3132.2	2872.9
72.5°	685.0	719.1	1041.8	1263.5	1753.4	2534.5	3134.9	3184.0	3209.3	3102.1	2776.0
75°	147.4	151.5	326.1	614.0	1105.9	1941.7	2875.0	2881.1	2908.4	2703.0	1900.7
77.5°	63.4	64.1	90.7	202.6	397.1	992.7	1990.1	2046.7	2044.7	1749.3	919.0
80°	44.3	45.7	53.9	92.8	189.0	287.2	972.2	978.3	841.9	625.6	229.2
82.5°	23.2	24.6	38.2	55.3	128.3	105.1	314.5	317.2	234.0	147.4	53.2
85°	4.1	6.1	18.4	33.4	49.8	42.3	68.9	86.6	75.0	58.7	22.5
87.5°	0.7	0.7	4.8	4.8	6.8	4.1	6.8	7.5	8.2	12.3	6.1
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	2.0	1.4	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.0	62.8	84.6	90.1	96.2
10°	2.0	2.7	2.0	2.0	1.4	86.0	105.7	107.1	108.5	108.5	107.8
12.5°	86.6	88.7	31.4	6.1	79.8	109.2	103.7	94.8	86.6	83.9	83.2
15°	185.6	186.3	168.5	145.3	154.9	103.0	81.2	92.1	93.5	90.1	90.1
17.5°	199.9	199.9	191.0	233.3	195.8	103.0	85.3	70.3	60.0	57.3	56.6
20°	395.7	346.6	280.4	236.7	159.6	115.3	60.0	51.2	49.8	49.8	51.9
22.5°	427.1	420.9	365.0	319.3	137.1	81.2	58.7	58.7	69.6	68.2	67.5
25°	557.4	549.2	413.4	277.7	137.1	69.6	74.4	65.5	64.1	62.8	61.4
27.5°	704.8	687.7	581.3	251.1	96.9	73.0	71.0	62.1	73.7	73.7	73.0
30°	802.3	738.2	585.4	225.1	81.9	77.8	66.9	72.3	65.5	61.4	61.4
32.5°	1039.7	1010.4	715.7	159.0	77.8	70.3	70.3	62.1	55.3	57.3	56.6
35°	1114.8	1076.6	637.2	119.4	71.6	64.8	58.7	54.6	47.1	42.3	41.6
37.5°	1207.6	1157.8	534.9	92.1	70.3	57.3	48.4	41.6	36.2	36.2	35.5
40°	1321.5	1245.8	437.3	78.5	62.1	49.1	37.5	32.1	28.7	26.6	25.9
42.5°	1446.3	1329.0	336.3	71.0	53.9	40.3	28.0	23.2	21.1	20.5	20.5
45°	1578.0	1406.1	241.5	64.8	47.1	31.4	20.5	16.4	15.7	15.7	15.7
47.5°	1712.4	1462.0	164.4	58.7	39.6	23.2	15.0	12.3	12.3	11.6	11.6
50°	1844.1	1500.2	113.3	52.5	32.1	16.4	10.9	10.2	10.2	9.6	9.6
52.5°	1939.6	1491.4	84.6	45.7	25.2	12.3	8.9	8.2	8.2	8.2	8.2
55°	2032.4	1471.6	69.6	38.9	19.1	8.9	6.8	6.1	6.1	6.1	6.1
57.5°	2127.9	1445.0	60.0	31.4	13.6	6.8	4.8	4.8	4.8	4.8	4.8
60°	2207.0	1393.1	51.9	25.2	9.6	4.8	4.1	3.4	3.4	3.4	3.4
62.5°	2295.1	1340.6	44.3	19.1	6.8	3.4	2.7	2.0	2.0	1.4	2.0
65°	2357.8	1276.5	36.2	13.6	4.8	2.7	2.0	1.4	0.7	0.0	0.7
67.5°	2356.5	1191.2	25.9	8.9	3.4	2.0	1.4	0.7	0.0	0.0	0.0
70°	2253.4	1069.1	17.7	6.1	2.7	1.4	1.4	0.7	0.0	0.0	0.0
72°	1988.7	862.4	13.6	5.5	2.7	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	1895.9	791.4	12.3	4.8	2.7	1.4	1.4	0.7	0.0	0.0	0.0
75°	1204.2	329.5	9.6	4.1	2.7	1.4	1.4	0.7	0.7	0.7	0.0
77.5°	559.4	120.8	6.8	3.4	2.0	1.4	1.4	0.7	0.7	1.4	0.0
80°	122.1	35.5	4.8	3.4	2.0	1.4	1.4	1.4	1.4	2.0	0.0
82.5°	28.0	11.6	4.1	2.7	2.0	1.4	1.4	1.4	1.4	2.0	0.0
85°	10.2	6.8	4.1	3.4	2.7	1.4	1.4	2.0	2.0	2.7	0.0
87.5°	4.1	4.1	3.4	3.4	2.7	1.4	2.0	2.0	2.7	2.7	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)