

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: P414018

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414018
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-PA1-100-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 5648 lumens
Efficiency: N/A
Efficacy: 58.8 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

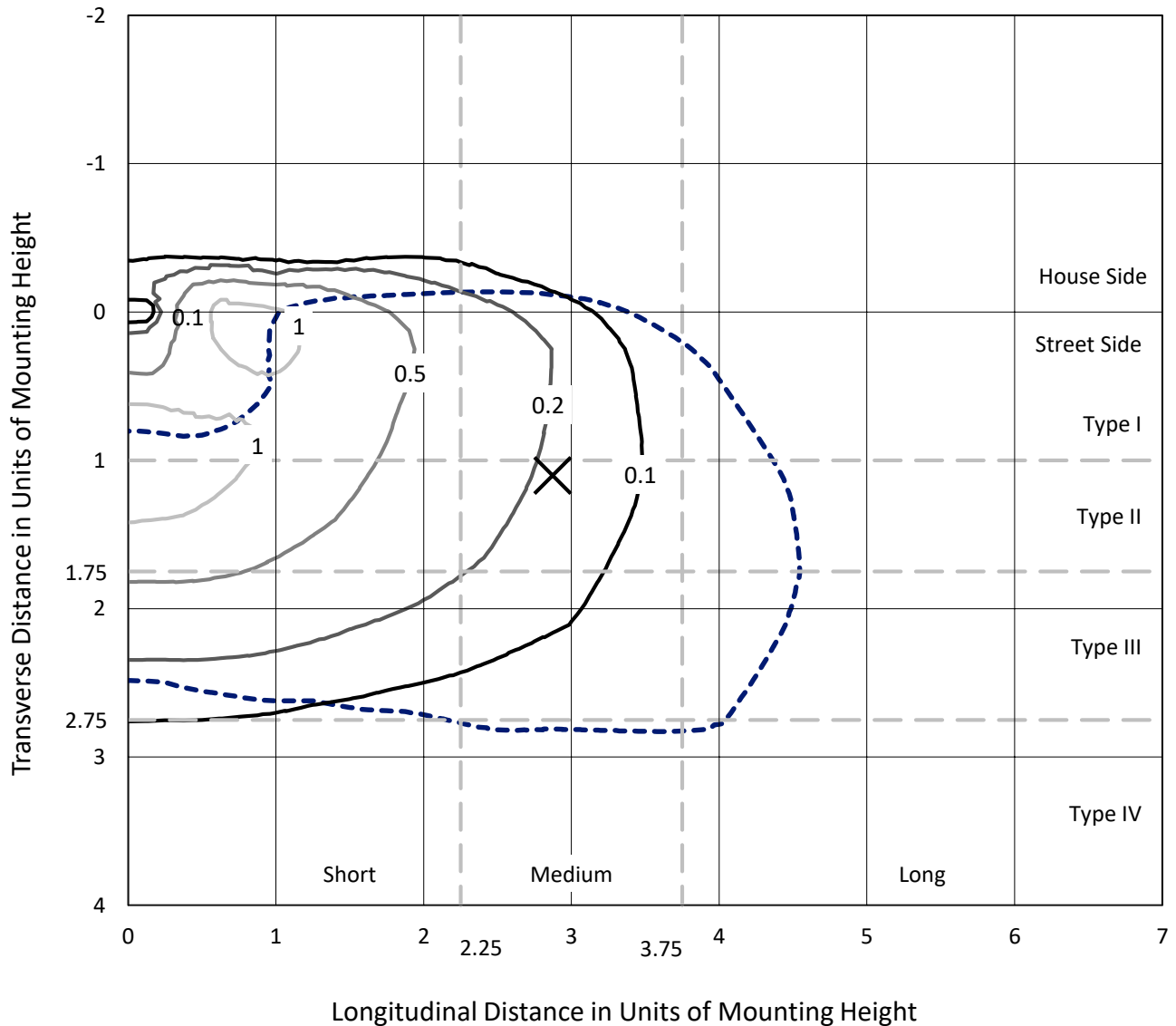
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

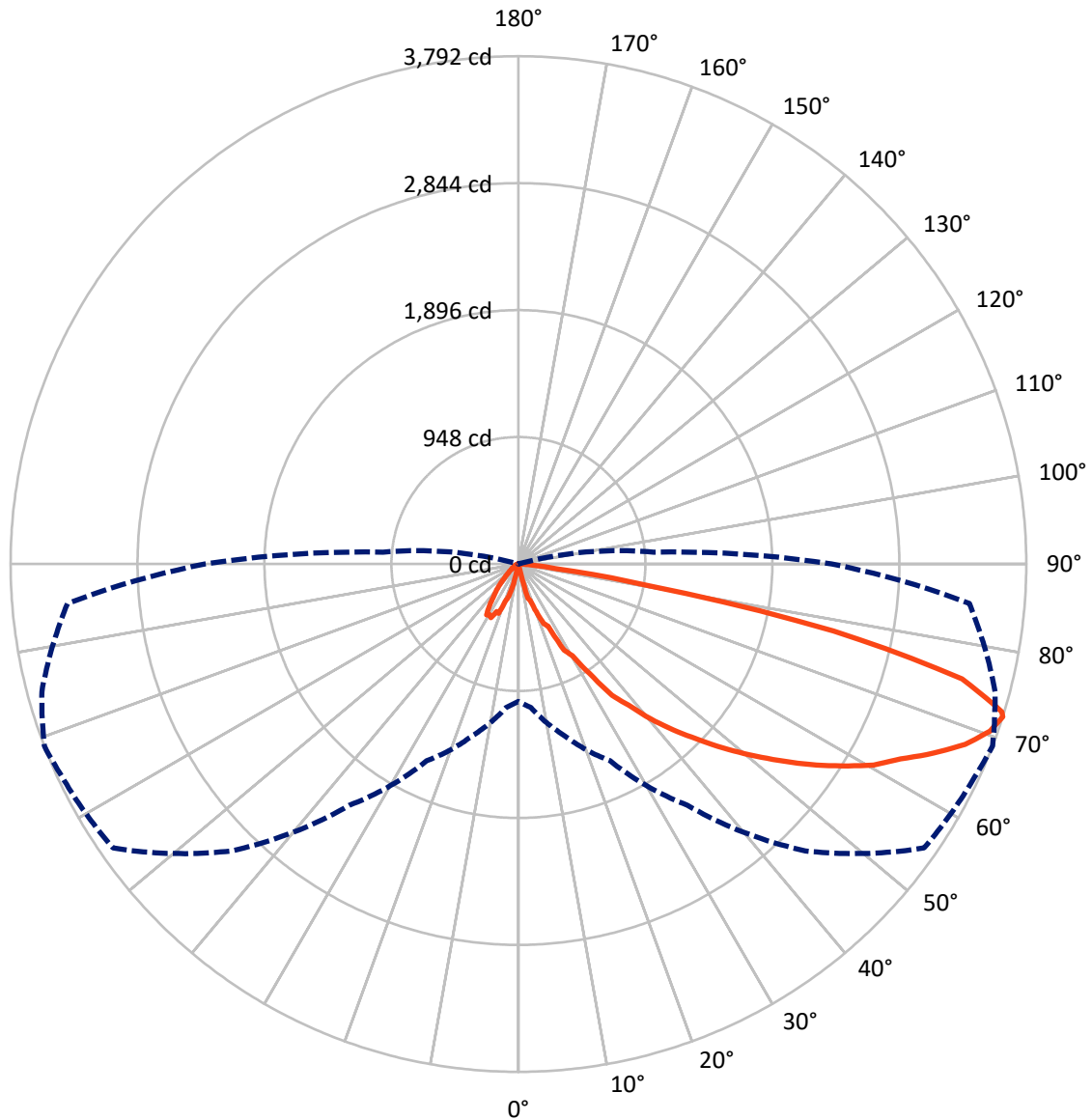
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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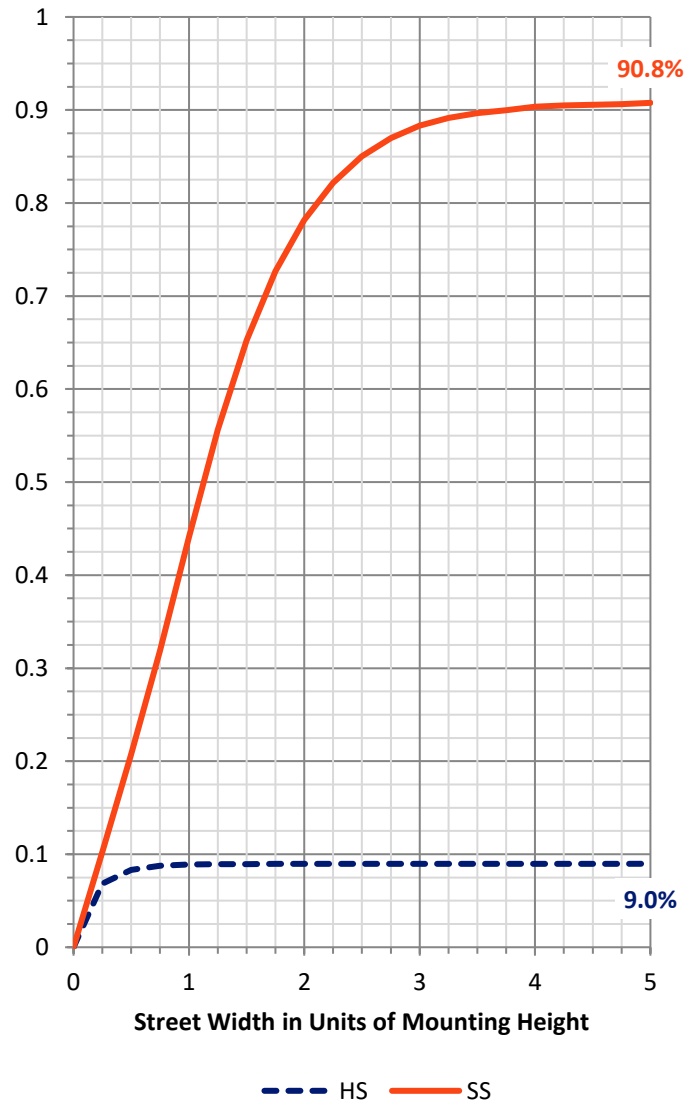
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.2	0.0	512.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5135.8	0.0	5135.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	5648.0	0.0	5648.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	49.1	0.9
20°-30°	175.9	3.1
30°-40°	449.3	8.0
40°-50°	889.1	15.7
50°-60°	1401.0	24.8
60°-70°	1629.6	28.9
70°-80°	989.2	17.5
80°-90°	61.2	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°	5648.0	100.0
0°-180°	5648.0	100.0



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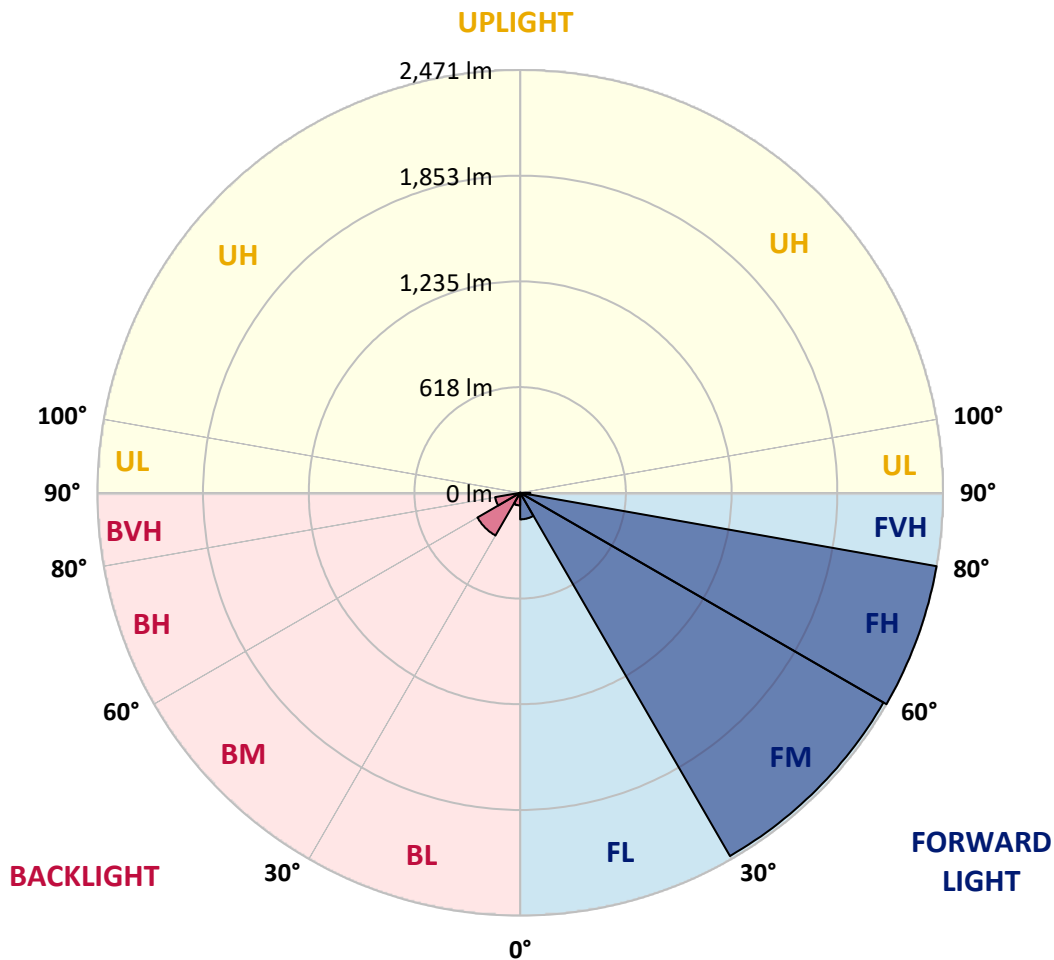
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.1	2.7			
FM	(30°-60°)	2451.1	43.4			
FH	(60°-80°)	2470.6	43.7			G2/5000
FVH	(80°-90°)	59.1	1.0			G1/100
BL	(0°-30°)	73.6	1.3	B0/110		
BM	(30°-60°)	288.3	5.1	B1/1000		
BH	(60°-80°)	148.2	2.6	B1/500		G1/500
BVH	(80°-90°)	2.1	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4	2.4	2.4	2.4
5°	78.7	51.4	38.5	32.1	16.1	4.0	2.4	2.4	2.4	2.4	2.4
7.5°	121.2	121.2	122.0	122.8	125.2	105.1	22.5	2.4	2.4	2.4	2.4
10°	117.2	116.4	116.4	118.0	121.2	124.4	127.6	16.9	4.0	2.4	2.4
12.5°	228.7	226.3	210.3	146.9	120.4	122.0	128.4	97.9	27.3	16.1	92.3
15°	226.3	225.5	227.1	231.1	232.8	130.0	190.2	258.4	264.1	178.2	215.9
17.5°	247.2	240.0	228.7	230.3	237.6	279.3	268.9	280.1	285.7	199.8	233.6
20°	341.9	341.1	342.7	268.9	251.2	353.9	311.4	304.2	378.0	395.7	439.0
22.5°	349.1	347.5	349.9	358.0	402.1	370.0	451.1	461.5	483.2	534.5	501.6
25°	488.8	488.8	401.3	374.0	458.3	418.2	558.6	524.9	513.7	573.9	645.3
27.5°	589.9	583.5	562.6	522.5	476.7	591.5	594.7	717.5	728.0	801.0	814.6
30°	747.2	738.4	683.0	651.7	591.5	622.0	694.2	853.2	795.4	854.0	913.4
32.5°	1106.0	1093.1	1023.3	821.1	745.6	674.2	832.3	915.8	972.8	1131.7	1196.7
35°	1432.6	1349.2	1253.7	1099.6	903.7	876.4	898.1	1135.7	1203.1	1252.1	1317.9
37.5°	1761.7	1763.3	1667.8	1293.8	1142.1	1012.1	1082.7	1268.9	1337.1	1409.4	1468.8
40°	2025.8	1985.6	1858.0	1583.5	1347.6	1217.5	1226.4	1398.9	1520.1	1610.8	1622.9
42.5°	2362.9	2346.0	2158.2	1848.4	1613.2	1486.4	1447.9	1533.0	1693.5	1753.7	1790.6
45°	2685.5	2660.6	2500.9	2150.2	1897.3	1755.3	1702.3	1703.1	1861.2	1925.4	1978.4
47.5°	2927.1	2887.0	2801.1	2427.9	2254.5	2049.0	1939.1	1897.3	2051.4	2134.9	2164.6
50°	3179.9	3114.1	3045.9	2741.7	2562.7	2384.5	2174.2	2127.7	2239.3	2332.4	2356.4
52.5°	3349.3	3253.7	3206.4	2965.6	2838.8	2725.6	2409.4	2357.2	2436.7	2546.7	2527.4
55°	3263.4	3233.7	3285.0	3159.0	3036.2	2911.0	2665.4	2622.9	2643.8	2736.1	2690.3
57.5°	3084.4	3093.2	3244.9	3269.0	3213.6	3095.6	2895.0	2887.8	2845.2	2920.7	2861.3
60°	2897.4	2930.3	3141.4	3261.8	3301.9	3262.6	3137.4	3084.4	3046.7	3099.6	3053.1
62.5°	2647.0	2653.4	2936.7	3197.6	3268.2	3392.6	3306.7	3281.0	3203.2	3281.8	3262.6
65°	2332.4	2340.4	2606.8	2976.8	3167.1	3417.5	3439.1	3466.4	3406.2	3427.9	3488.9
67.5°	1980.8	1996.1	2228.8	2586.0	2949.6	3368.5	3549.1	3601.3	3596.5	3590.0	3650.2
70°	1603.6	1614.0	1803.4	2116.5	2598.0	3233.7	3651.0	3717.6	3736.1	3691.2	3648.6
72°	1025.7	1076.3	1326.7	1622.1	2199.1	3029.0	3696.8	3760.2	3792.3	3684.7	3379.8
72.5°	805.8	845.9	1225.6	1486.4	2062.7	2981.7	3688.0	3745.7	3775.4	3649.4	3265.8
75°	173.4	178.2	383.6	722.3	1301.0	2284.2	3382.2	3389.4	3421.5	3179.9	2236.0
77.5°	74.6	75.4	106.7	238.4	467.1	1167.8	2341.2	2407.8	2405.4	2057.9	1081.1
80°	52.2	53.8	63.4	109.2	222.3	337.9	1143.7	1150.9	990.4	736.0	269.7
82.5°	27.3	28.9	44.9	65.0	150.9	123.6	370.0	373.2	275.3	173.4	62.6
85°	4.8	7.2	21.7	39.3	58.6	49.8	81.1	101.9	88.3	69.0	26.5
87.5°	0.8	0.8	5.6	5.6	8.0	4.8	8.0	8.8	9.6	14.4	7.2
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	73.8	99.5	105.9	113.2
10°	2.4	3.2	2.4	2.4	1.6	101.1	124.4	126.0	127.6	127.6	126.8
12.5°	101.9	104.3	36.9	7.2	93.9	128.4	122.0	111.6	101.9	98.7	97.9
15°	218.3	219.1	198.2	171.0	182.2	121.2	95.5	108.4	110.0	105.9	105.9
17.5°	235.2	235.2	224.7	274.5	230.3	121.2	100.3	82.7	70.6	67.4	66.6
20°	465.5	407.7	329.9	278.5	187.8	135.6	70.6	60.2	58.6	58.6	61.0
22.5°	502.4	495.2	429.4	375.6	161.3	95.5	69.0	69.0	81.9	80.3	79.5
25°	655.7	646.1	486.4	326.7	161.3	81.9	87.5	77.0	75.4	73.8	72.2
27.5°	829.1	809.0	683.8	295.4	114.0	85.9	83.5	73.0	86.7	86.7	85.9
30°	943.9	868.4	688.6	264.9	96.3	91.5	78.7	85.1	77.0	72.2	72.2
32.5°	1223.2	1188.7	841.9	187.0	91.5	82.7	82.7	73.0	65.0	67.4	66.6
35°	1311.4	1266.5	749.6	140.5	84.3	76.2	69.0	64.2	55.4	49.8	49.0
37.5°	1420.6	1362.0	629.2	108.4	82.7	67.4	57.0	49.0	42.5	42.5	41.7
40°	1554.6	1465.5	514.5	92.3	73.0	57.8	44.1	37.7	33.7	31.3	30.5
42.5°	1701.5	1563.5	395.7	83.5	63.4	47.4	32.9	27.3	24.9	24.1	24.1
45°	1856.4	1654.2	284.1	76.2	55.4	36.9	24.1	19.3	18.5	18.5	18.5
47.5°	2014.5	1720.0	193.4	69.0	46.6	27.3	17.7	14.4	14.4	13.6	13.6
50°	2169.4	1764.9	133.2	61.8	37.7	19.3	12.8	12.0	12.0	11.2	11.2
52.5°	2281.8	1754.5	99.5	53.8	29.7	14.4	10.4	9.6	9.6	9.6	9.6
55°	2390.9	1731.2	81.9	45.7	22.5	10.4	8.0	7.2	7.2	7.2	7.2
57.5°	2503.3	1699.9	70.6	36.9	16.1	8.0	5.6	5.6	5.6	5.6	5.6
60°	2596.4	1638.9	61.0	29.7	11.2	5.6	4.8	4.0	4.0	4.0	4.0
62.5°	2699.9	1577.1	52.2	22.5	8.0	4.0	3.2	2.4	2.4	1.6	2.4
65°	2773.8	1501.7	42.5	16.1	5.6	3.2	2.4	1.6	0.8	0.0	0.8
67.5°	2772.2	1401.3	30.5	10.4	4.0	2.4	1.6	0.8	0.0	0.0	0.0
70°	2651.0	1257.7	20.9	7.2	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72°	2339.6	1014.5	16.1	6.4	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	2230.4	931.0	14.4	5.6	3.2	1.6	1.6	0.8	0.0	0.0	0.0
75°	1416.6	387.7	11.2	4.8	3.2	1.6	1.6	0.8	0.8	0.8	0.0
77.5°	658.1	142.1	8.0	4.0	2.4	1.6	1.6	0.8	0.8	1.6	0.0
80°	143.7	41.7	5.6	4.0	2.4	1.6	1.6	1.6	1.6	2.4	0.0
82.5°	32.9	13.6	4.8	3.2	2.4	1.6	1.6	1.6	1.6	2.4	0.0
85°	12.0	8.0	4.8	4.0	3.2	1.6	1.6	2.4	2.4	3.2	0.0
87.5°	4.8	4.8	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	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)