

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: P416575

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416575
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-PA1-70-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 5020 lumens
Efficiency: N/A
Efficacy: 67.8 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

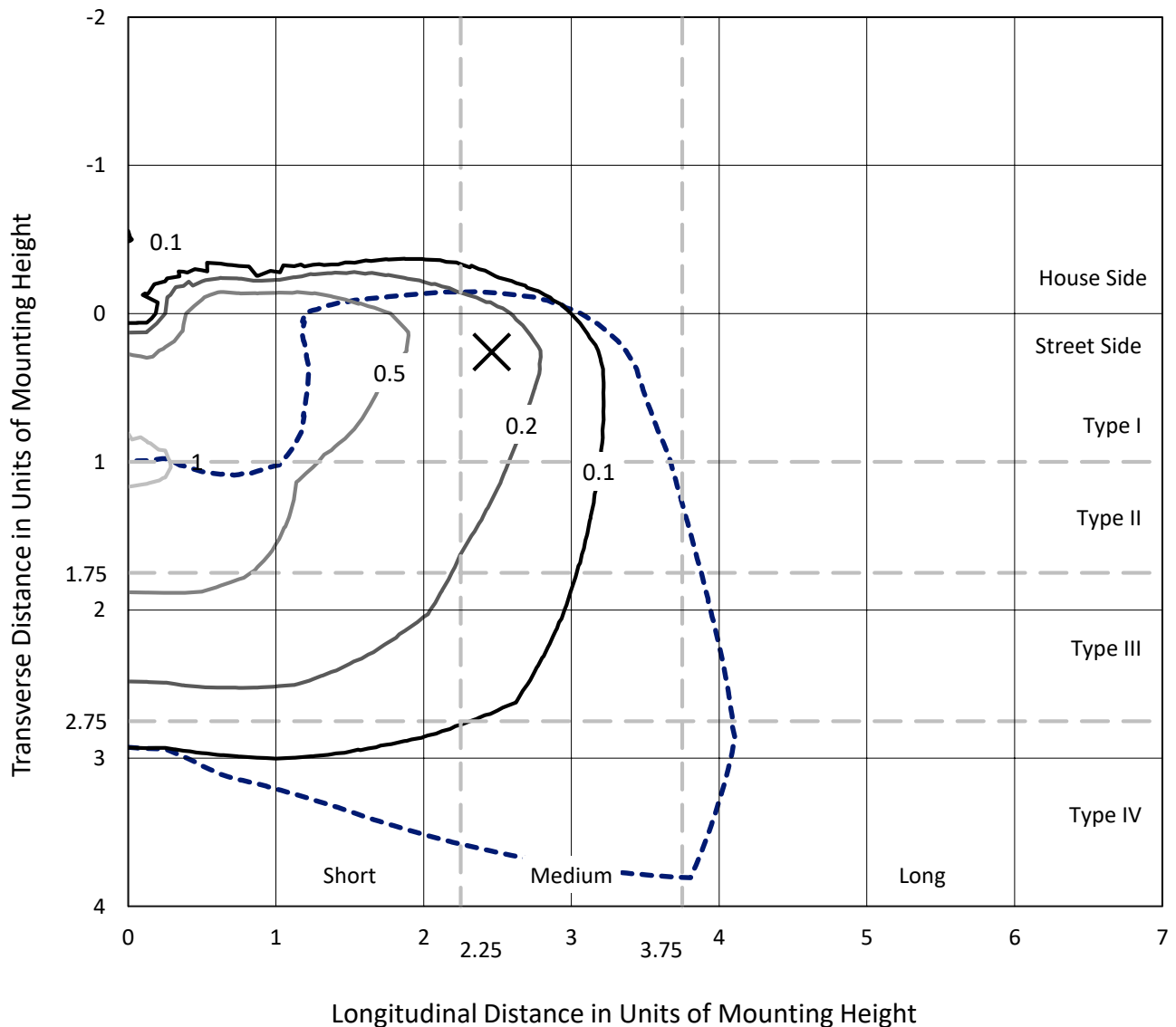
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

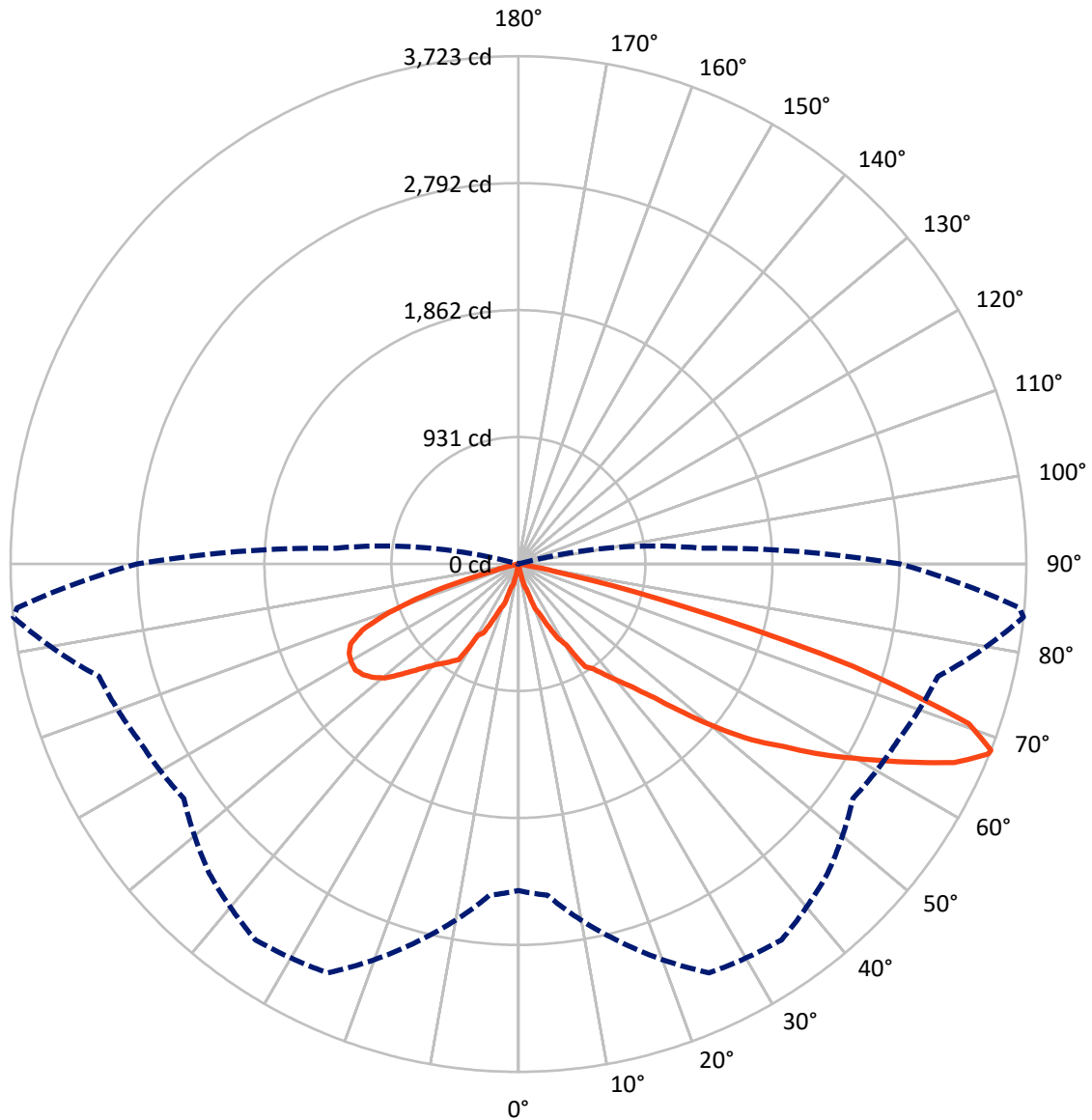
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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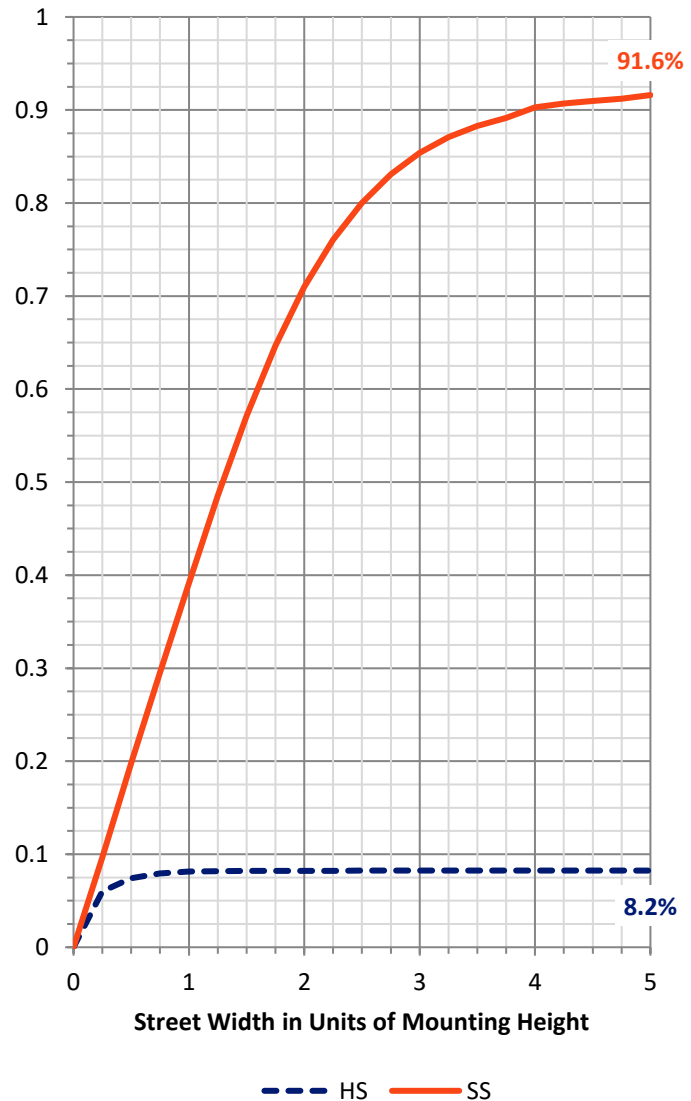
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.2	0.0	417.2
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	4602.8	0.0	4602.8
	% Fixture	91.7	0.0	91.7
Total	Lumens	5020.0	0.0	5020.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	45.4	0.9
20°-30°	162.8	3.2
30°-40°	347.6	6.9
40°-50°	621.2	12.4
50°-60°	1102.1	22.0
60°-70°	1583.8	31.6
70°-80°	1066.2	21.2
80°-90°	87.6	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°	5020.0	100.0
0°-180°	5020.0	100.0



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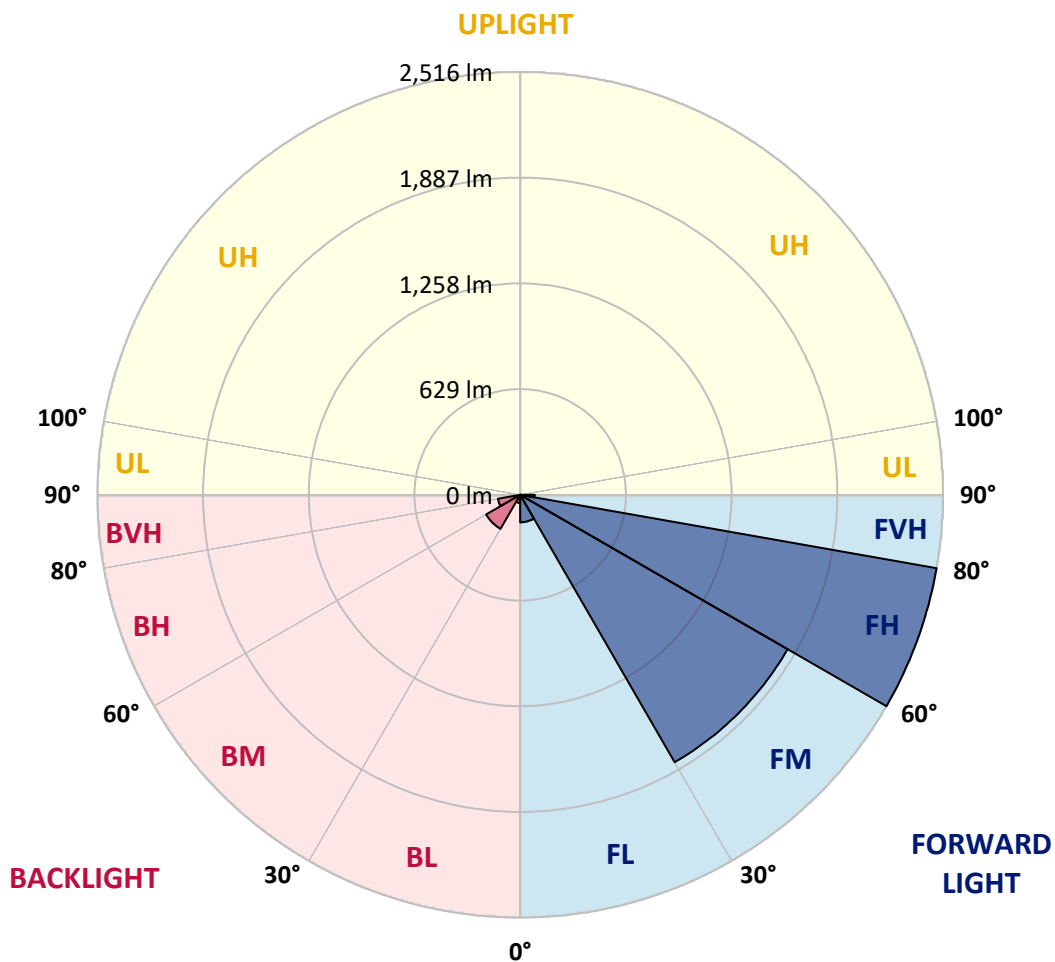
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.6	3.3			
FM	(30°-60°)	1837.1	36.6			
FH	(60°-80°)	2515.8	50.1			G2/5000
FVH	(80°-90°)	86.3	1.7			G1/100
BL	(0°-30°)	47.8	1.0	B0/110		
BM	(30°-60°)	233.7	4.7	B1/1000		
BH	(60°-80°)	134.3	2.7	B1/500		G1/500
BVH	(80°-90°)	1.3	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	1.5	1.5	2.2	2.2	2.2	2.2
5°	38.5	32.7	32.0	28.4	20.4	5.1	1.5	2.2	2.2	2.2	2.2
7.5°	138.1	136.0	134.5	131.6	128.7	98.9	19.6	2.2	2.2	2.2	2.2
10°	148.3	145.4	143.2	139.6	135.2	130.1	124.3	16.0	2.2	2.2	2.2
12.5°	306.8	303.2	210.1	173.8	143.2	136.0	131.6	68.3	63.3	72.0	82.2
15°	322.8	319.9	311.9	301.7	271.2	153.4	206.5	256.7	167.2	178.1	178.1
17.5°	359.9	354.1	326.5	311.2	298.8	328.6	301.7	274.8	180.3	191.2	191.2
20°	503.9	502.4	494.4	345.4	314.1	415.9	328.6	293.0	333.0	347.5	330.8
22.5°	508.2	506.8	500.9	481.3	493.7	427.5	471.9	442.8	454.4	397.0	394.1
25°	674.0	668.2	535.1	490.0	556.9	455.9	561.3	488.6	479.9	495.9	495.9
27.5°	686.3	684.9	680.5	652.2	571.5	645.6	578.0	632.5	644.9	612.9	629.6
30°	781.6	733.6	708.2	691.4	673.3	677.6	674.7	727.8	671.8	684.9	677.6
32.5°	909.6	905.2	892.1	737.2	748.1	707.4	786.7	778.7	868.8	897.2	892.8
35°	1087.7	1017.9	932.8	852.8	776.5	840.5	812.9	905.9	928.5	941.5	968.4
37.5°	1244.0	1221.5	1142.2	904.5	860.1	865.2	929.9	970.6	1004.1	1027.3	1039.0
40°	1387.2	1370.5	1317.4	1057.1	905.2	939.4	992.4	1015.0	1081.1	1124.0	1124.8
42.5°	1599.5	1609.7	1560.3	1195.3	1027.3	1043.3	1088.4	1092.0	1150.9	1236.7	1239.6
45°	1864.9	1851.1	1838.7	1396.0	1143.7	1133.5	1196.0	1187.3	1278.2	1398.9	1413.4
47.5°	2120.8	2101.2	2067.8	1627.2	1305.1	1234.6	1321.8	1329.1	1470.8	1625.0	1630.8
50°	2318.6	2311.3	2277.9	1896.2	1519.6	1374.1	1461.4	1547.2	1697.7	1883.1	1895.4
52.5°	2536.7	2520.0	2461.1	2148.5	1795.1	1584.3	1628.6	1779.1	1936.9	2140.5	2139.0
55°	2682.1	2684.3	2628.3	2405.8	2045.2	1822.0	1839.5	2070.7	2155.0	2363.0	2378.2
57.5°	2875.5	2859.5	2874.8	2708.3	2384.0	2063.4	2104.1	2304.1	2379.7	2636.3	2646.5
60°	3019.5	3025.3	3100.9	2987.5	2646.5	2309.1	2344.0	2494.5	2603.6	2903.9	2935.9
62.5°	3024.6	3055.8	3259.4	3267.4	2930.8	2575.3	2552.7	2689.4	2785.4	3194.7	3233.2
65°	2747.6	2766.5	3225.2	3341.6	3194.7	2836.3	2751.2	2853.7	2965.0	3509.5	3516.8
67.5°	2469.8	2475.6	2918.4	3319.8	3353.2	3149.6	2962.8	3033.3	3140.9	3716.7	3691.3
68°	2394.2	2437.8	2865.3	3307.4	3363.4	3206.3	2994.8	3067.5	3183.8	3723.3	3687.7
70°	2170.3	2216.8	2610.2	3169.3	3358.3	3420.1	3170.0	3180.2	3210.7	3503.7	3389.6
72.5°	1459.2	1490.5	2065.6	2697.4	3249.2	3668.8	3365.6	3113.3	2880.6	2568.7	2467.6
75°	561.3	564.9	1041.2	1854.0	2809.4	3544.4	3159.1	2624.7	1956.5	1250.5	1174.2
77.5°	209.4	205.8	301.7	859.4	1783.5	2754.1	2358.6	1609.0	815.0	327.9	320.6
80°	74.2	76.3	117.1	258.8	724.9	1609.0	1313.1	655.1	239.9	72.7	66.9
82.5°	29.1	31.3	59.6	122.9	311.2	675.4	560.6	278.5	140.3	27.6	26.2
85°	6.5	7.3	23.3	61.1	118.5	195.6	197.0	170.1	116.3	13.1	12.4
87.5°	0.7	1.5	6.5	8.0	9.5	5.1	16.7	17.4	32.0	5.1	5.1
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	1.5	0.7	0.7	0.0	64.0	66.2	68.3	69.1
10°	2.2	2.2	2.2	1.5	1.5	66.9	78.5	75.6	70.5	68.3	69.1
12.5°	79.2	77.1	24.7	5.1	61.1	73.4	60.3	50.2	45.1	41.4	41.4
15°	173.0	166.5	138.9	106.2	99.6	56.7	38.5	32.7	48.0	58.2	58.2
17.5°	183.9	175.9	155.6	154.1	101.1	49.4	40.0	51.6	54.5	57.4	57.4
20°	356.3	319.2	219.6	147.6	74.2	60.3	50.2	49.4	51.6	55.3	56.0
22.5°	381.7	363.5	276.3	178.9	67.6	65.4	58.2	55.3	74.2	80.7	80.7
25°	485.0	467.5	297.4	142.5	82.2	66.9	73.4	69.1	70.5	76.3	76.3
27.5°	620.2	588.2	390.4	120.0	76.3	72.7	74.9	69.1	81.4	96.7	96.7
30°	687.1	623.1	373.7	106.2	77.8	79.2	72.0	84.3	84.3	90.2	90.9
32.5°	916.8	872.5	421.0	89.4	77.8	72.7	78.5	80.0	78.5	101.8	102.5
35°	975.7	922.6	360.6	93.1	74.2	70.5	70.5	79.2	84.3	89.4	90.2
37.5°	1047.7	978.6	283.6	87.2	77.1	68.3	64.7	67.6	74.2	87.2	88.0
40°	1139.3	1039.7	218.1	82.2	72.0	62.5	58.9	61.8	61.8	65.4	66.2
42.5°	1262.9	1112.4	161.4	78.5	67.6	57.4	51.6	48.0	45.8	45.1	45.8
45°	1432.3	1205.5	120.7	74.9	64.7	50.9	42.9	34.9	29.1	29.1	29.8
47.5°	1633.7	1309.4	98.2	69.1	60.3	43.6	32.7	22.5	18.2	18.9	19.6
50°	1848.2	1419.2	85.8	64.0	55.3	35.6	21.8	13.8	11.6	12.4	13.1
52.5°	2046.7	1490.5	80.7	58.9	48.7	27.6	13.8	9.5	8.7	8.7	9.5
55°	2245.9	1544.3	76.3	53.8	39.3	18.2	8.0	7.3	7.3	6.5	6.5
57.5°	2431.3	1576.3	69.1	46.5	27.6	10.9	5.8	5.8	5.1	5.1	5.1
60°	2601.4	1572.6	55.3	34.9	17.4	6.5	4.4	4.4	3.6	3.6	3.6
62.5°	2775.2	1556.6	39.3	24.7	11.6	4.4	2.9	2.9	2.2	1.5	2.2
65°	2879.9	1511.6	26.2	17.4	7.3	2.9	2.2	1.5	0.7	0.0	0.7
67.5°	2836.3	1380.7	19.6	13.1	5.1	2.2	1.5	0.7	0.0	0.0	0.0
68°	2796.3	1339.2	18.2	12.4	4.4	2.2	1.5	0.7	0.0	0.0	0.0
70°	2481.5	1116.0	16.0	10.2	3.6	2.2	1.5	0.7	0.0	0.0	0.0
72.5°	1655.5	724.9	13.1	8.0	2.9	1.5	1.5	0.7	0.0	0.0	0.0
75°	763.4	232.7	10.2	6.5	2.2	1.5	1.5	0.7	0.0	0.0	0.0
77.5°	203.6	49.4	6.5	4.4	2.2	1.5	1.5	0.7	0.7	0.7	0.0
80°	48.7	15.3	4.4	3.6	2.2	1.5	1.5	0.7	0.7	0.7	0.0
82.5°	18.2	8.0	2.9	2.9	2.2	1.5	1.5	0.7	1.5	1.5	0.0
85°	8.0	5.1	2.9	2.9	2.2	1.5	1.5	1.5	1.5	2.2	0.0
87.5°	3.6	3.6	2.9	2.9	2.9	1.5	2.2	2.2	2.2	2.2	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)