

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: P415483

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415483
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-PA1-50-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 4440 lumens
Efficiency: N/A
Efficacy: 82.2 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

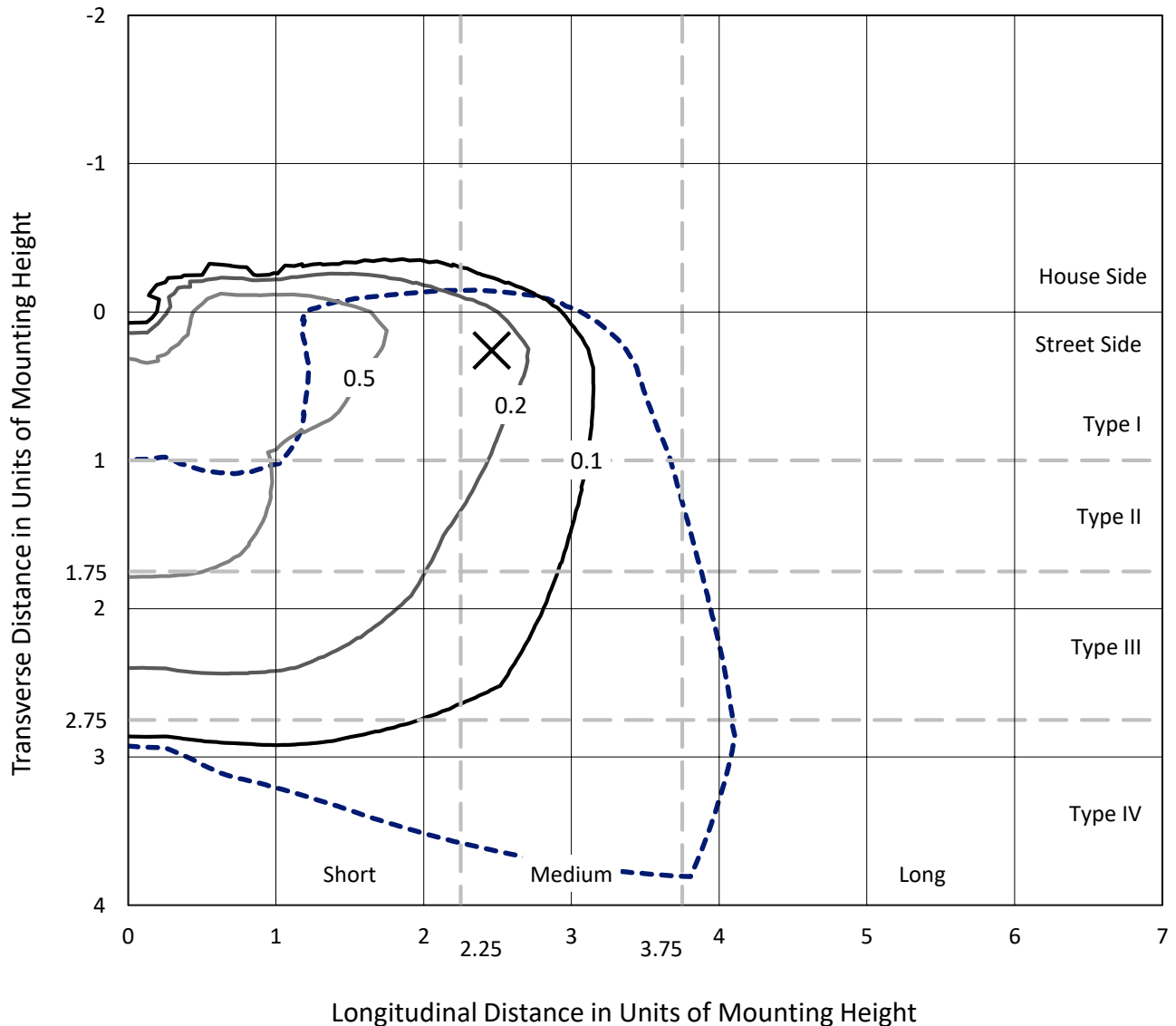
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

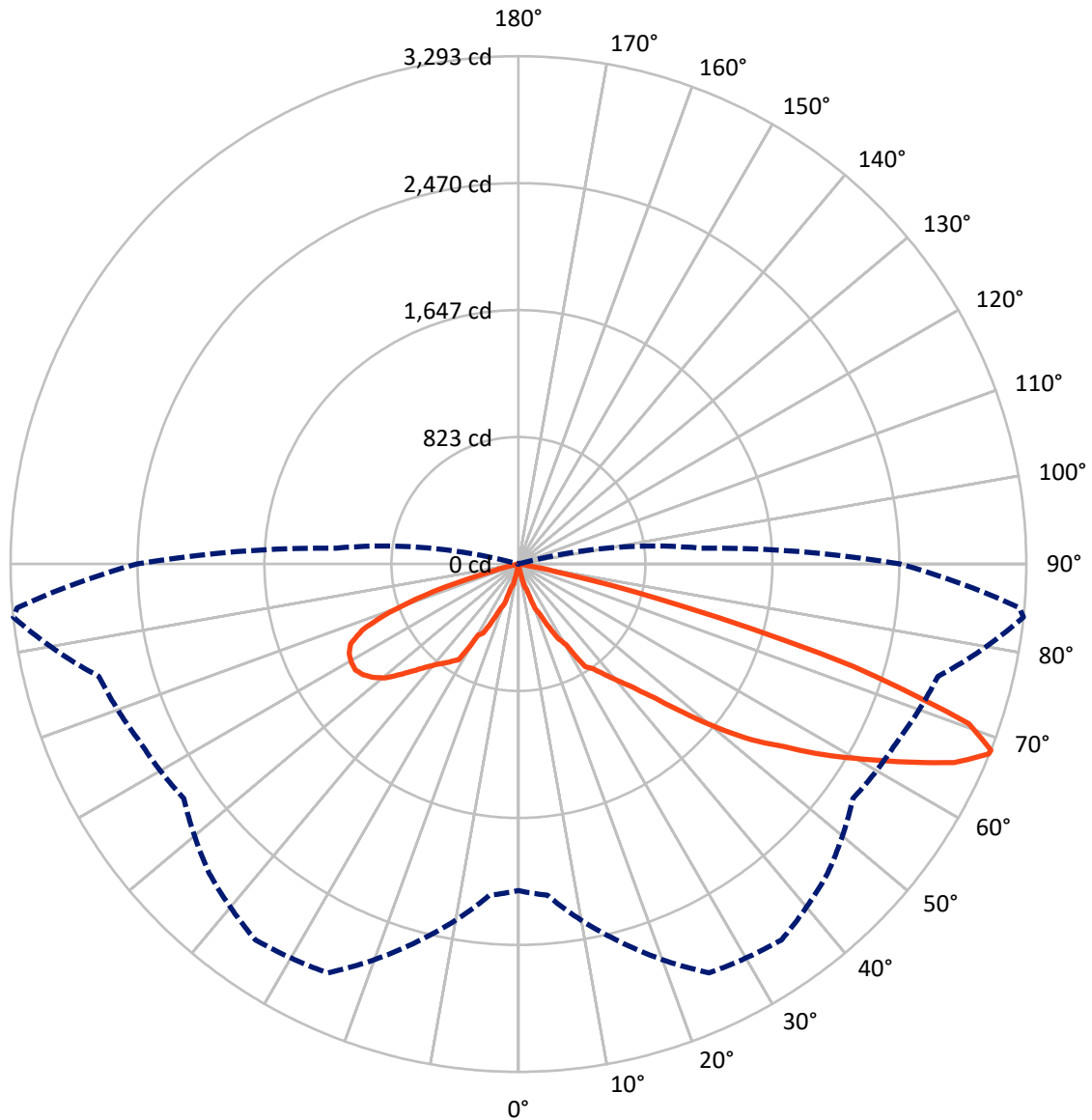
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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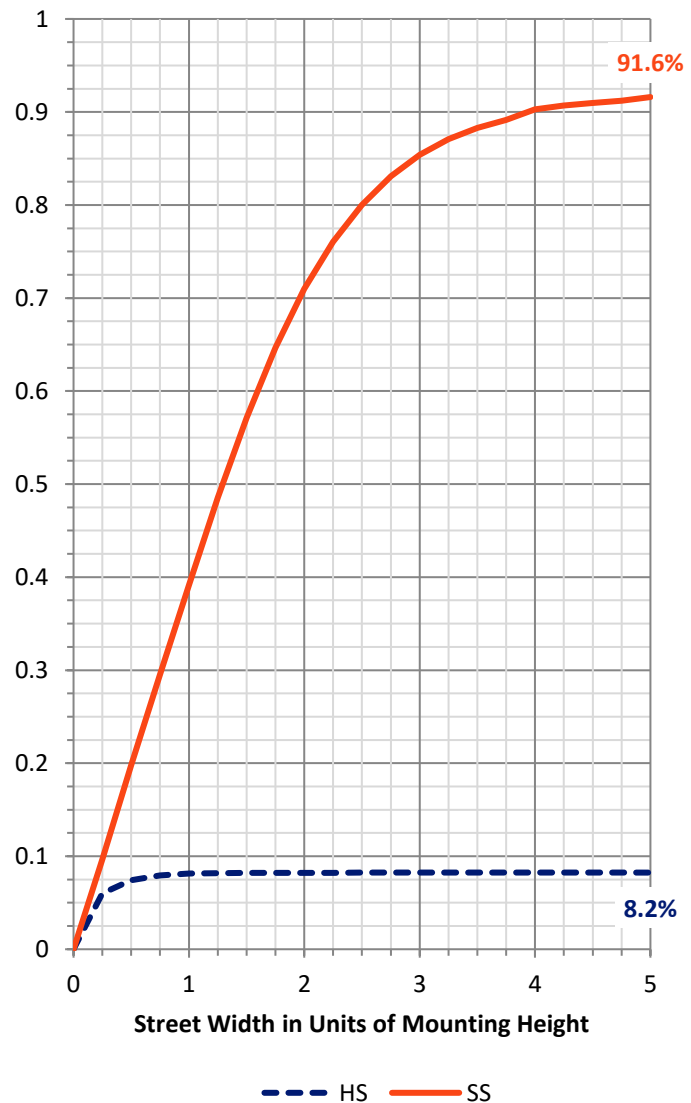
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	369.0	0.0	369.0
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	4071.0	0.0	4071.0
	% Fixture	91.7	0.0	91.7
Total	Lumens	4440.0	0.0	4440.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	40.2	0.9
20°-30°	143.9	3.2
30°-40°	307.4	6.9
40°-50°	549.4	12.4
50°-60°	974.8	22.0
60°-70°	1400.8	31.6
70°-80°	943.0	21.2
80°-90°	77.5	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°	4440.0	100.0
0°-180°	4440.0	100.0



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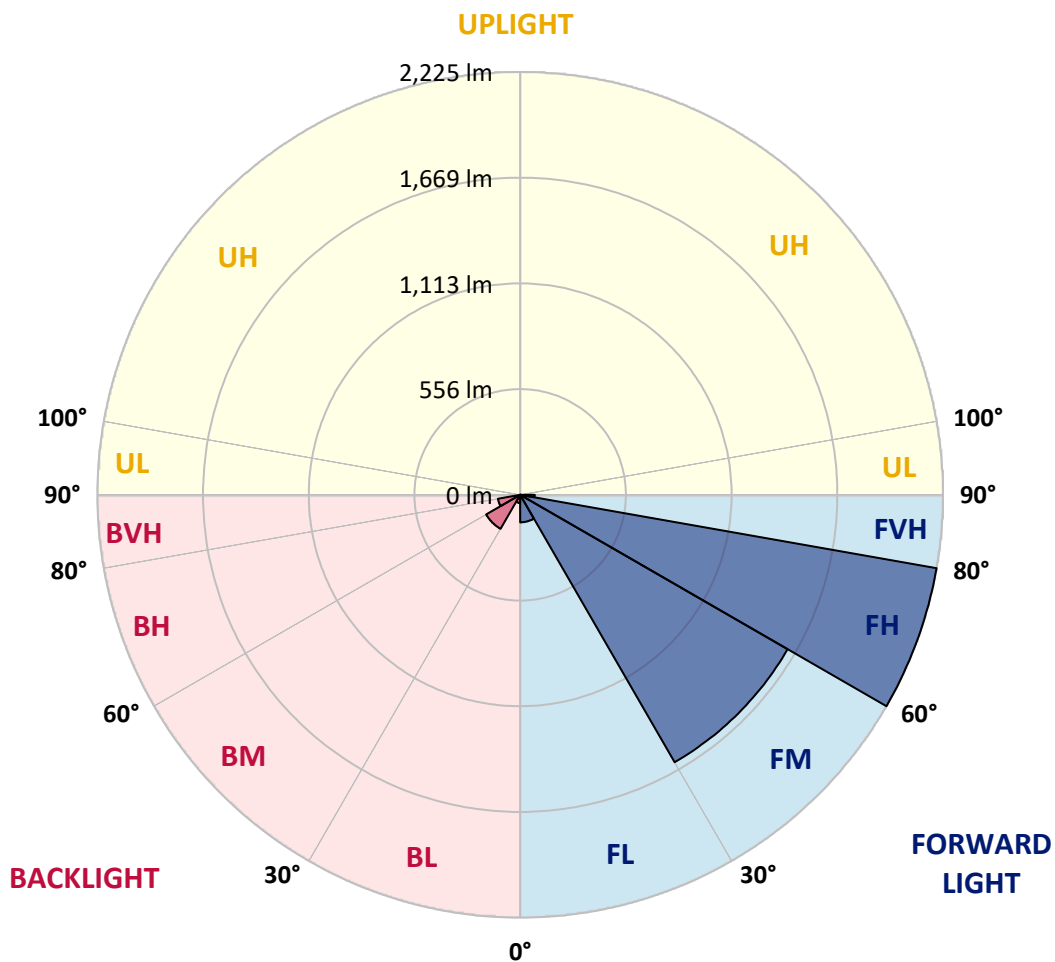
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.7	3.3			
FM	(30°-60°)	1624.9	36.6			
FH	(60°-80°)	2225.1	50.1			G2/5000
FVH	(80°-90°)	76.3	1.7			G1/100
BL	(0°-30°)	42.3	1.0	B0/110		
BM	(30°-60°)	206.7	4.7	B0/220		
BH	(60°-80°)	118.8	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.6	0.0	0.6	0.6	1.3	1.3	1.9	1.9	1.9	1.9
5°	34.1	28.9	28.3	25.1	18.0	4.5	1.3	1.9	1.9	1.9	1.9
7.5°	122.2	120.3	119.0	116.4	113.8	87.5	17.4	1.9	1.9	1.9	1.9
10°	131.2	128.6	126.7	123.5	119.6	115.1	110.0	14.1	1.9	1.9	1.9
12.5°	271.4	268.2	185.8	153.7	126.7	120.3	116.4	60.4	55.9	63.7	72.7
15°	285.5	282.9	275.9	266.9	239.9	135.7	182.6	227.0	147.9	157.5	157.5
17.5°	318.3	313.2	288.7	275.2	264.3	290.7	266.9	243.1	159.5	169.1	169.1
20°	445.6	444.4	437.3	305.5	277.8	367.8	290.7	259.2	294.5	307.4	292.6
22.5°	449.5	448.2	443.1	425.7	436.6	378.1	417.3	391.6	401.9	351.1	348.5
25°	596.1	591.0	473.3	433.4	492.6	403.2	496.4	432.1	424.4	438.6	438.6
27.5°	607.0	605.8	601.9	576.8	505.4	571.0	511.2	559.5	570.4	542.1	556.9
30°	691.3	648.8	626.3	611.5	595.5	599.3	596.8	643.7	594.2	605.8	599.3
32.5°	804.5	800.6	789.0	652.1	661.7	625.7	695.8	688.7	768.5	793.5	789.7
35°	962.0	900.3	825.0	754.3	686.8	743.4	718.9	801.3	821.2	832.8	856.6
37.5°	1100.3	1080.3	1010.2	800.0	760.7	765.2	822.5	858.5	888.1	908.6	918.9
40°	1227.0	1212.2	1165.2	935.0	800.6	830.8	877.8	897.7	956.2	994.2	994.8
42.5°	1414.7	1423.7	1380.0	1057.2	908.6	922.8	962.7	965.9	1018.0	1093.8	1096.4
45°	1649.4	1637.2	1626.3	1234.7	1011.5	1002.5	1057.8	1050.1	1130.5	1237.2	1250.1
47.5°	1875.8	1858.4	1828.9	1439.2	1154.3	1091.9	1169.1	1175.5	1300.9	1437.2	1442.4
50°	2050.7	2044.3	2014.7	1677.1	1344.0	1215.4	1292.5	1368.4	1501.5	1665.5	1676.5
52.5°	2243.6	2228.8	2176.8	1900.2	1587.7	1401.2	1440.5	1573.6	1713.1	1893.2	1891.9
55°	2372.2	2374.2	2324.7	2127.9	1808.9	1611.5	1626.9	1831.4	1906.0	2089.9	2103.4
57.5°	2543.3	2529.1	2542.7	2395.4	2108.6	1825.0	1861.0	2037.9	2104.7	2331.7	2340.7
60°	2670.6	2675.8	2742.6	2642.3	2340.7	2042.4	2073.2	2206.3	2302.8	2568.4	2596.7
62.5°	2675.1	2702.8	2882.8	2889.9	2592.2	2277.7	2257.8	2378.7	2463.6	2825.6	2859.7
65°	2430.1	2446.8	2852.6	2955.5	2825.6	2508.6	2433.3	2524.0	2622.4	3104.0	3110.5
67.5°	2184.5	2189.6	2581.2	2936.2	2965.8	2785.7	2620.5	2682.8	2778.0	3287.3	3264.8
68°	2117.6	2156.2	2534.3	2925.3	2974.8	2835.9	2648.8	2713.1	2816.0	3293.1	3261.6
70°	1919.5	1960.7	2308.6	2803.1	2970.3	3024.9	2803.7	2812.7	2839.7	3098.9	2997.9
72.5°	1290.6	1318.3	1826.9	2385.7	2873.8	3244.9	2976.7	2753.6	2547.8	2271.9	2182.5
75°	496.4	499.7	920.9	1639.8	2484.8	3134.9	2794.1	2321.4	1730.5	1106.1	1038.5
77.5°	185.2	182.0	266.9	760.1	1577.4	2435.9	2086.1	1423.1	720.9	290.0	283.6
80°	65.6	67.5	103.5	228.9	641.1	1423.1	1161.4	579.4	212.2	64.3	59.2
82.5°	25.7	27.7	52.7	108.7	275.2	597.4	495.8	246.3	124.1	24.4	23.2
85°	5.8	6.4	20.6	54.0	104.8	173.0	174.3	150.5	102.9	11.6	10.9
87.5°	0.6	1.3	5.8	7.1	8.4	4.5	14.8	15.4	28.3	4.5	4.5
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.3	0.6	0.6	0.0	56.6	58.5	60.4	61.1
10°	1.9	1.9	1.9	1.3	1.3	59.2	69.5	66.9	62.4	60.4	61.1
12.5°	70.1	68.2	21.9	4.5	54.0	64.9	53.4	44.4	39.9	36.7	36.7
15°	153.0	147.3	122.8	93.9	88.1	50.2	34.1	28.9	42.4	51.4	51.4
17.5°	162.7	155.6	137.6	136.3	89.4	43.7	35.4	45.7	48.2	50.8	50.8
20°	315.1	282.3	194.2	130.5	65.6	53.4	44.4	43.7	45.7	48.9	49.5
22.5°	337.6	321.5	244.4	158.2	59.8	57.9	51.4	48.9	65.6	71.4	71.4
25°	428.9	413.5	263.0	126.0	72.7	59.2	64.9	61.1	62.4	67.5	67.5
27.5°	548.5	520.2	345.3	106.1	67.5	64.3	66.2	61.1	72.0	85.5	85.5
30°	607.7	551.1	330.5	93.9	68.8	70.1	63.7	74.6	74.6	79.7	80.4
32.5°	810.9	771.7	372.3	79.1	68.8	64.3	69.5	70.7	69.5	90.0	90.7
35°	863.0	816.0	319.0	82.3	65.6	62.4	62.4	70.1	74.6	79.1	79.7
37.5°	926.6	865.6	250.8	77.2	68.2	60.4	57.2	59.8	65.6	77.2	77.8
40°	1007.7	919.6	192.9	72.7	63.7	55.3	52.1	54.7	54.7	57.9	58.5
42.5°	1117.0	983.9	142.8	69.5	59.8	50.8	45.7	42.4	40.5	39.9	40.5
45°	1266.8	1066.2	106.7	66.2	57.2	45.0	37.9	30.9	25.7	25.7	26.4
47.5°	1445.0	1158.1	86.8	61.1	53.4	38.6	28.9	19.9	16.1	16.7	17.4
50°	1634.7	1255.3	75.9	56.6	48.9	31.5	19.3	12.2	10.3	10.9	11.6
52.5°	1810.2	1318.3	71.4	52.1	43.1	24.4	12.2	8.4	7.7	7.7	8.4
55°	1986.4	1365.9	67.5	47.6	34.7	16.1	7.1	6.4	6.4	5.8	5.8
57.5°	2150.4	1394.2	61.1	41.2	24.4	9.6	5.1	5.1	4.5	4.5	4.5
60°	2300.9	1390.9	48.9	30.9	15.4	5.8	3.9	3.9	3.2	3.2	3.2
62.5°	2454.6	1376.8	34.7	21.9	10.3	3.9	2.6	2.6	1.9	1.3	1.9
65°	2547.2	1336.9	23.2	15.4	6.4	2.6	1.9	1.3	0.6	0.0	0.6
67.5°	2508.6	1221.2	17.4	11.6	4.5	1.9	1.3	0.6	0.0	0.0	0.0
68°	2473.2	1184.5	16.1	10.9	3.9	1.9	1.3	0.6	0.0	0.0	0.0
70°	2194.8	987.1	14.1	9.0	3.2	1.9	1.3	0.6	0.0	0.0	0.0
72.5°	1464.2	641.1	11.6	7.1	2.6	1.3	1.3	0.6	0.0	0.0	0.0
75°	675.2	205.8	9.0	5.8	1.9	1.3	1.3	0.6	0.0	0.0	0.0
77.5°	180.1	43.7	5.8	3.9	1.9	1.3	1.3	0.6	0.6	0.6	0.0
80°	43.1	13.5	3.9	3.2	1.9	1.3	1.3	0.6	0.6	0.6	0.0
82.5°	16.1	7.1	2.6	2.6	1.9	1.3	1.3	0.6	1.3	1.3	0.0
85°	7.1	4.5	2.6	2.6	1.9	1.3	1.3	1.3	1.3	1.9	0.0
87.5°	3.2	3.2	2.6	2.6	2.6	1.3	1.9	1.9	1.9	1.9	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)