

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: P415223

Luminaire Tested: **LXF.LXT-PA1-40-760-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415223
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-PA1-40-760-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 500mA 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: 3780 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 40
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

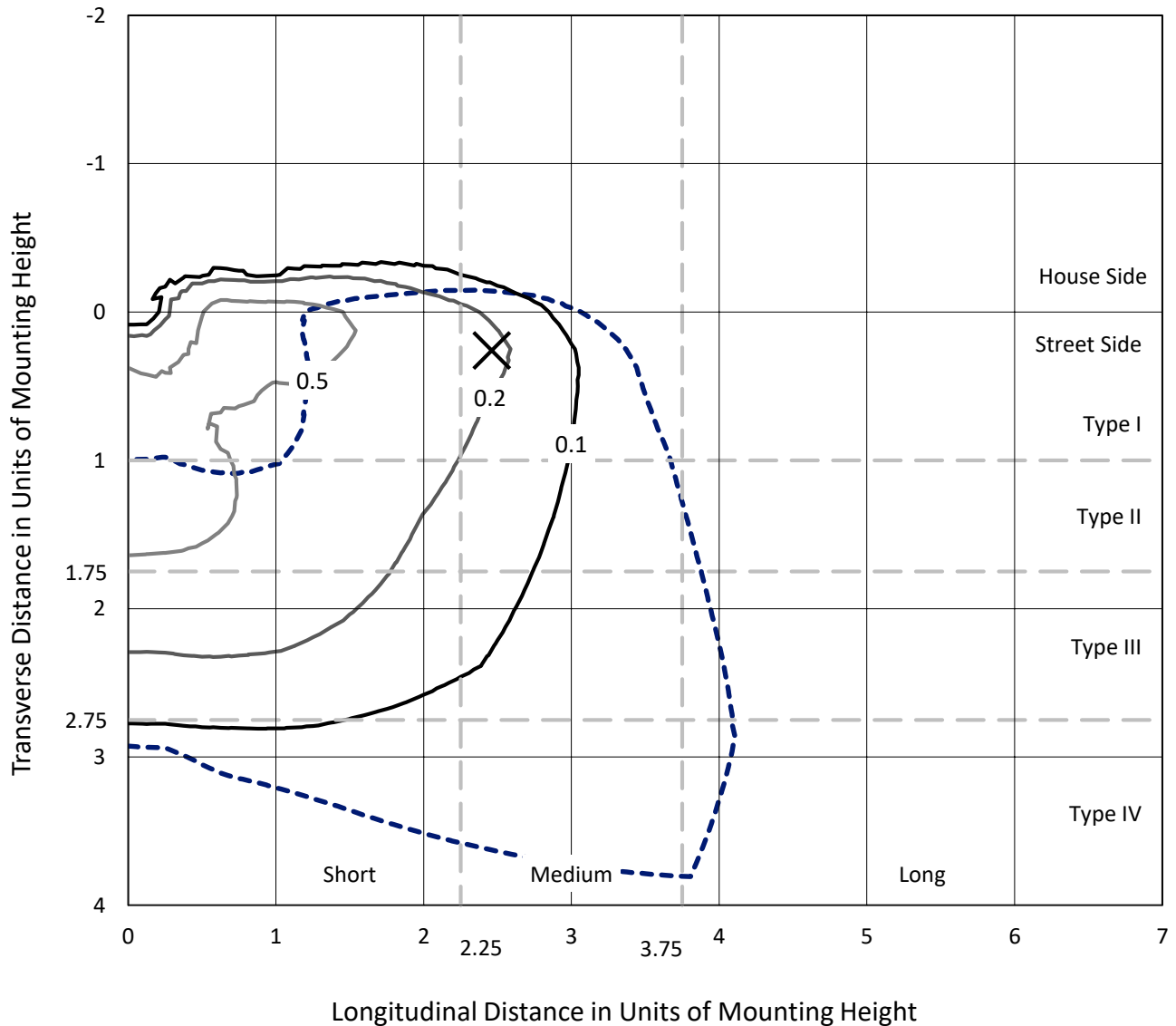


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Iso-Footcandle Lines of Horizontal Illumination

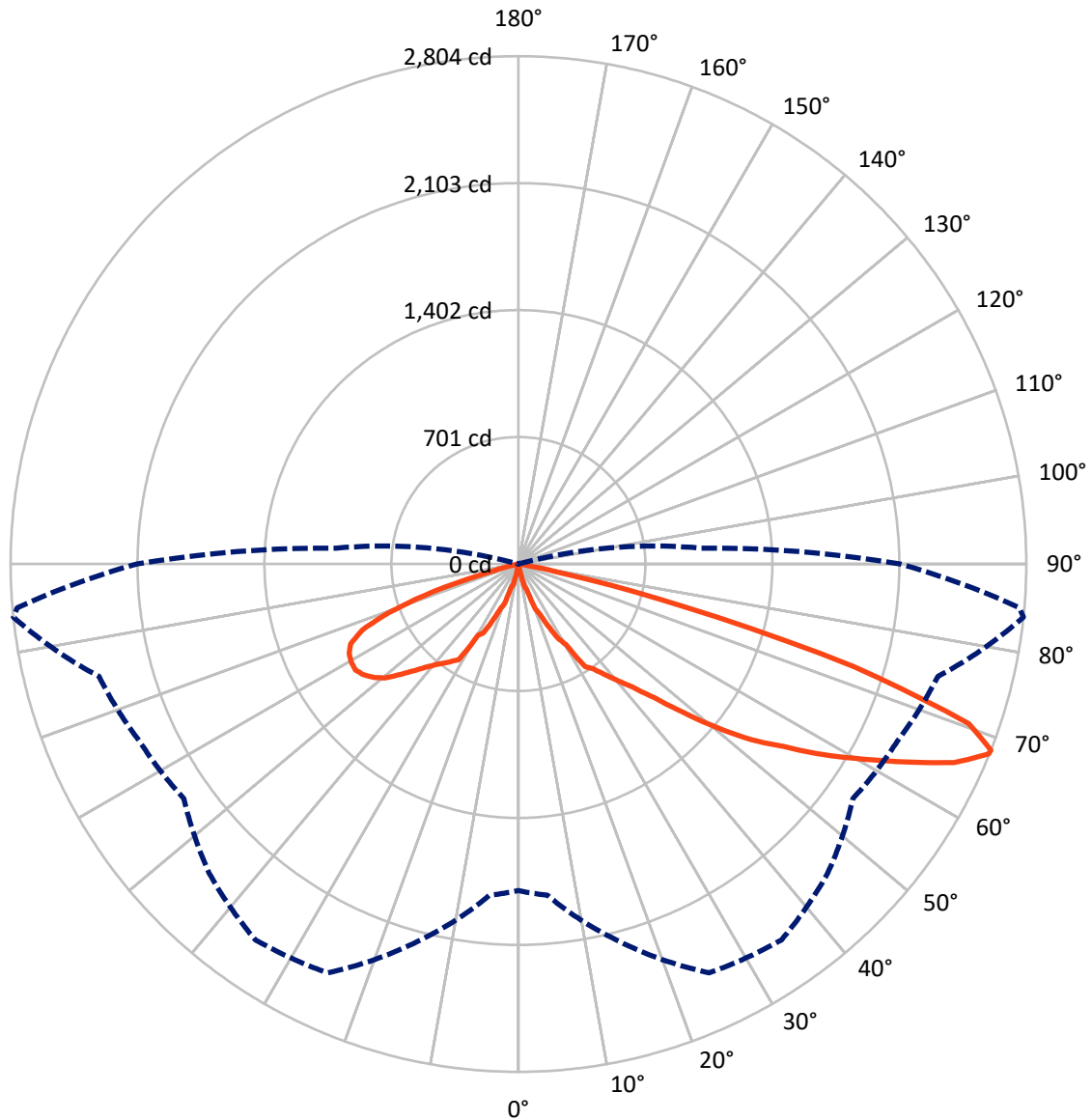
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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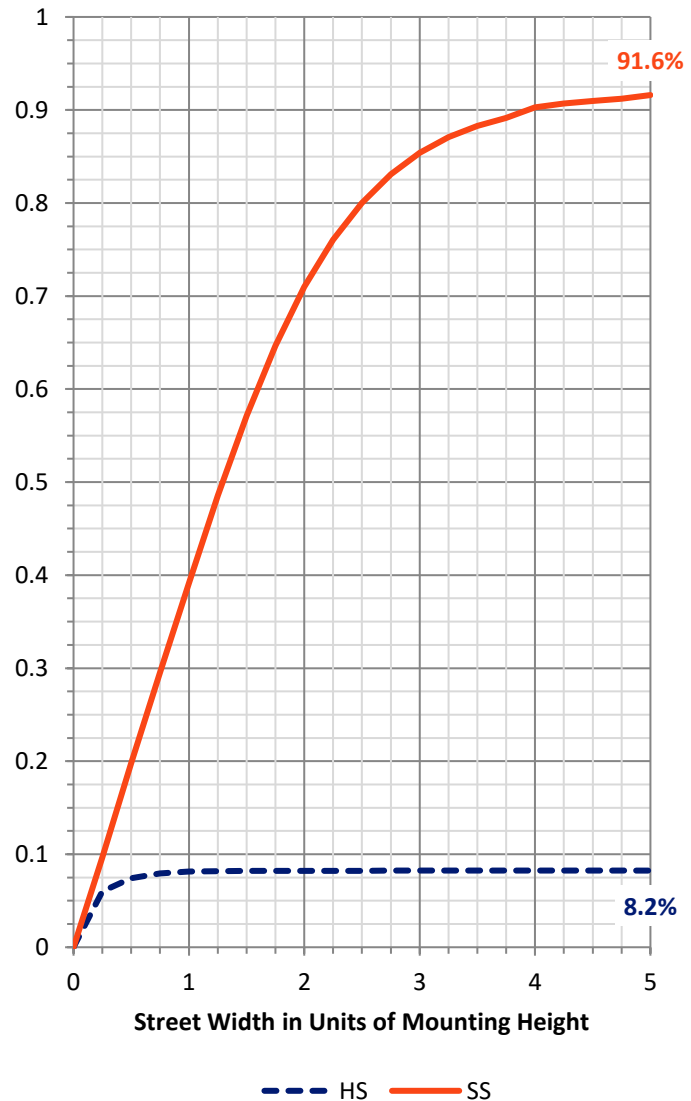
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	314.1	0.0	314.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	3465.9	0.0	3465.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	3780.0	0.0	3780.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	34.2	0.9
20°-30°	122.5	3.2
30°-40°	261.7	6.9
40°-50°	467.7	12.4
50°-60°	829.9	22.0
60°-70°	1192.6	31.6
70°-80°	802.8	21.2
80°-90°	66.0	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°	3780.0	100.0
0°-180°	3780.0	100.0



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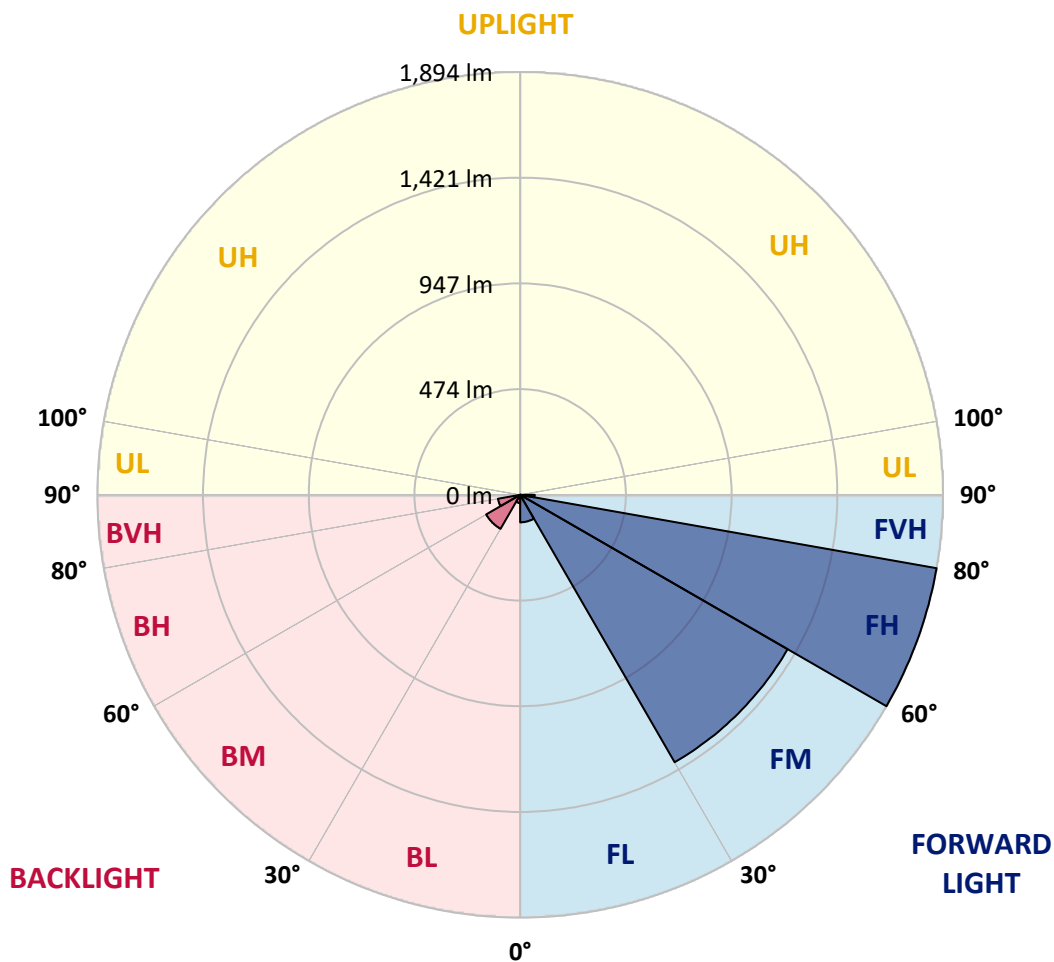
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.2	3.3			
FM	(30°-60°)	1383.3	36.6			
FH	(60°-80°)	1894.3	50.1			G2/5000
FVH	(80°-90°)	65.0	1.7			G1/100
BL	(0°-30°)	36.0	1.0	B0/110		
BM	(30°-60°)	176.0	4.7	B0/220		
BH	(60°-80°)	101.1	2.7	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.5	0.5	0.0	0.5	0.5	1.1	1.1	1.6	1.6	1.6	1.6
5°	29.0	24.6	24.1	21.4	15.3	3.8	1.1	1.6	1.6	1.6	1.6
7.5°	104.0	102.4	101.3	99.1	96.9	74.5	14.8	1.6	1.6	1.6	1.6
10°	111.7	109.5	107.9	105.1	101.8	98.0	93.6	12.0	1.6	1.6	1.6
12.5°	231.0	228.3	158.2	130.8	107.9	102.4	99.1	51.5	47.6	54.2	61.9
15°	243.1	240.9	234.9	227.2	204.2	115.5	155.5	193.3	125.9	134.1	134.1
17.5°	271.0	266.6	245.8	234.3	225.0	247.5	227.2	206.9	135.8	144.0	144.0
20°	379.4	378.3	372.3	260.0	236.5	313.2	247.5	220.6	250.7	261.7	249.1
22.5°	382.7	381.6	377.2	362.4	371.7	321.9	355.3	333.4	342.2	298.9	296.7
25°	507.5	503.1	402.9	369.0	419.4	343.3	422.6	367.9	361.3	373.4	373.4
27.5°	516.8	515.7	512.4	491.1	430.3	486.2	435.2	476.3	485.6	461.5	474.1
30°	588.5	552.4	533.2	520.6	507.0	510.2	508.1	548.0	505.9	515.7	510.2
32.5°	684.9	681.6	671.7	555.1	563.3	532.7	592.4	586.3	654.2	675.6	672.3
35°	819.0	766.5	702.4	642.2	584.7	632.9	612.1	682.1	699.1	709.0	729.2
37.5°	936.7	919.7	860.1	681.1	647.7	651.5	700.2	730.9	756.1	773.6	782.3
40°	1044.6	1032.0	992.0	796.0	681.6	707.3	747.3	764.3	814.1	846.4	846.9
42.5°	1204.4	1212.1	1174.9	900.0	773.6	785.6	819.6	822.3	866.6	931.2	933.4
45°	1404.3	1393.9	1384.5	1051.1	861.2	853.5	900.6	894.0	962.4	1053.3	1064.3
47.5°	1597.0	1582.2	1557.0	1225.2	982.7	929.6	995.3	1000.8	1107.5	1223.6	1228.0
50°	1745.9	1740.4	1715.2	1427.8	1144.2	1034.7	1100.4	1165.0	1278.3	1417.9	1427.3
52.5°	1910.1	1897.5	1853.2	1617.8	1351.7	1192.9	1226.3	1339.7	1458.5	1611.7	1610.7
55°	2019.6	2021.3	1979.1	1811.6	1540.0	1372.0	1385.1	1559.2	1622.7	1779.3	1790.8
57.5°	2165.2	2153.2	2164.7	2039.3	1795.1	1553.7	1584.4	1734.9	1791.9	1985.1	1992.8
60°	2273.6	2278.0	2335.0	2249.5	1992.8	1738.8	1765.0	1878.4	1960.5	2186.6	2210.7
62.5°	2277.5	2301.0	2454.3	2460.3	2206.8	1939.1	1922.2	2025.1	2097.4	2405.6	2434.6
65°	2068.9	2083.1	2428.6	2516.2	2405.6	2135.7	2071.6	2148.8	2232.6	2642.6	2648.1
67.5°	1859.8	1864.1	2197.5	2499.7	2524.9	2371.6	2230.9	2284.0	2365.1	2798.7	2779.5
68°	1802.8	1835.7	2157.6	2490.4	2532.6	2414.3	2255.0	2309.8	2397.4	2803.6	2776.8
70°	1634.2	1669.2	1965.4	2386.4	2528.8	2575.3	2387.0	2394.6	2417.6	2638.3	2552.3
72.5°	1098.8	1122.3	1555.4	2031.1	2446.6	2762.5	2534.2	2344.3	2169.1	1934.2	1858.1
75°	422.6	425.4	784.0	1396.0	2115.4	2668.9	2378.8	1976.4	1473.2	941.6	884.2
77.5°	157.7	154.9	227.2	647.1	1342.9	2073.8	1776.0	1211.5	613.7	246.9	241.4
80°	55.8	57.5	88.1	194.9	545.8	1211.5	988.7	493.3	180.7	54.7	50.4
82.5°	21.9	23.5	44.9	92.5	234.3	508.6	422.1	209.7	105.7	20.8	19.7
85°	4.9	5.5	17.5	46.0	89.2	147.3	148.4	128.1	87.6	9.9	9.3
87.5°	0.5	1.1	4.9	6.0	7.1	3.8	12.6	13.1	24.1	3.8	3.8
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.6	1.6	1.6	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.1	0.5	0.5	0.0	48.2	49.8	51.5	52.0
10°	1.6	1.6	1.6	1.1	1.1	50.4	59.1	56.9	53.1	51.5	52.0
12.5°	59.7	58.0	18.6	3.8	46.0	55.3	45.4	37.8	33.9	31.2	31.2
15°	130.3	125.4	104.6	79.9	75.0	42.7	29.0	24.6	36.1	43.8	43.8
17.5°	138.5	132.5	117.2	116.1	76.1	37.2	30.1	38.9	41.1	43.3	43.3
20°	268.3	240.3	165.3	111.1	55.8	45.4	37.8	37.2	38.9	41.6	42.2
22.5°	287.4	273.7	208.0	134.7	50.9	49.3	43.8	41.6	55.8	60.8	60.8
25°	365.2	352.0	223.9	107.3	61.9	50.4	55.3	52.0	53.1	57.5	57.5
27.5°	467.0	442.9	294.0	90.3	57.5	54.7	56.4	52.0	61.3	72.8	72.8
30°	517.4	469.2	281.4	79.9	58.6	59.7	54.2	63.5	63.5	67.9	68.4
32.5°	690.4	657.0	317.0	67.3	58.6	54.7	59.1	60.2	59.1	76.6	77.2
35°	734.7	694.7	271.5	70.1	55.8	53.1	53.1	59.7	63.5	67.3	67.9
37.5°	788.9	736.9	213.5	65.7	58.0	51.5	48.7	50.9	55.8	65.7	66.2
40°	857.9	782.9	164.2	61.9	54.2	47.1	44.3	46.5	46.5	49.3	49.8
42.5°	951.0	837.6	121.5	59.1	50.9	43.3	38.9	36.1	34.5	33.9	34.5
45°	1078.5	907.7	90.9	56.4	48.7	38.3	32.3	26.3	21.9	21.9	22.4
47.5°	1230.2	986.0	73.9	52.0	45.4	32.8	24.6	17.0	13.7	14.2	14.8
50°	1391.7	1068.7	64.6	48.2	41.6	26.8	16.4	10.4	8.8	9.3	9.9
52.5°	1541.1	1122.3	60.8	44.3	36.7	20.8	10.4	7.1	6.6	6.6	7.1
55°	1691.1	1162.8	57.5	40.5	29.6	13.7	6.0	5.5	5.5	4.9	4.9
57.5°	1830.7	1186.9	52.0	35.0	20.8	8.2	4.4	4.4	3.8	3.8	3.8
60°	1958.8	1184.2	41.6	26.3	13.1	4.9	3.3	3.3	2.7	2.7	2.7
62.5°	2089.7	1172.1	29.6	18.6	8.8	3.3	2.2	2.2	1.6	1.1	1.6
65°	2168.5	1138.2	19.7	13.1	5.5	2.2	1.6	1.1	0.5	0.0	0.5
67.5°	2135.7	1039.6	14.8	9.9	3.8	1.6	1.1	0.5	0.0	0.0	0.0
68°	2105.6	1008.4	13.7	9.3	3.3	1.6	1.1	0.5	0.0	0.0	0.0
70°	1868.5	840.4	12.0	7.7	2.7	1.6	1.1	0.5	0.0	0.0	0.0
72.5°	1246.6	545.8	9.9	6.0	2.2	1.1	1.1	0.5	0.0	0.0	0.0
75°	574.8	175.2	7.7	4.9	1.6	1.1	1.1	0.5	0.0	0.0	0.0
77.5°	153.3	37.2	4.9	3.3	1.6	1.1	1.1	0.5	0.5	0.5	0.0
80°	36.7	11.5	3.3	2.7	1.6	1.1	1.1	0.5	0.5	0.5	0.0
82.5°	13.7	6.0	2.2	2.2	1.6	1.1	1.1	0.5	1.1	1.1	0.0
85°	6.0	3.8	2.2	2.2	1.6	1.1	1.1	1.1	1.1	1.6	0.0
87.5°	2.7	2.7	2.2	2.2	2.2	1.1	1.6	1.6	1.6	1.6	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)