

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: P254195

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-7030-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2905.2 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

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

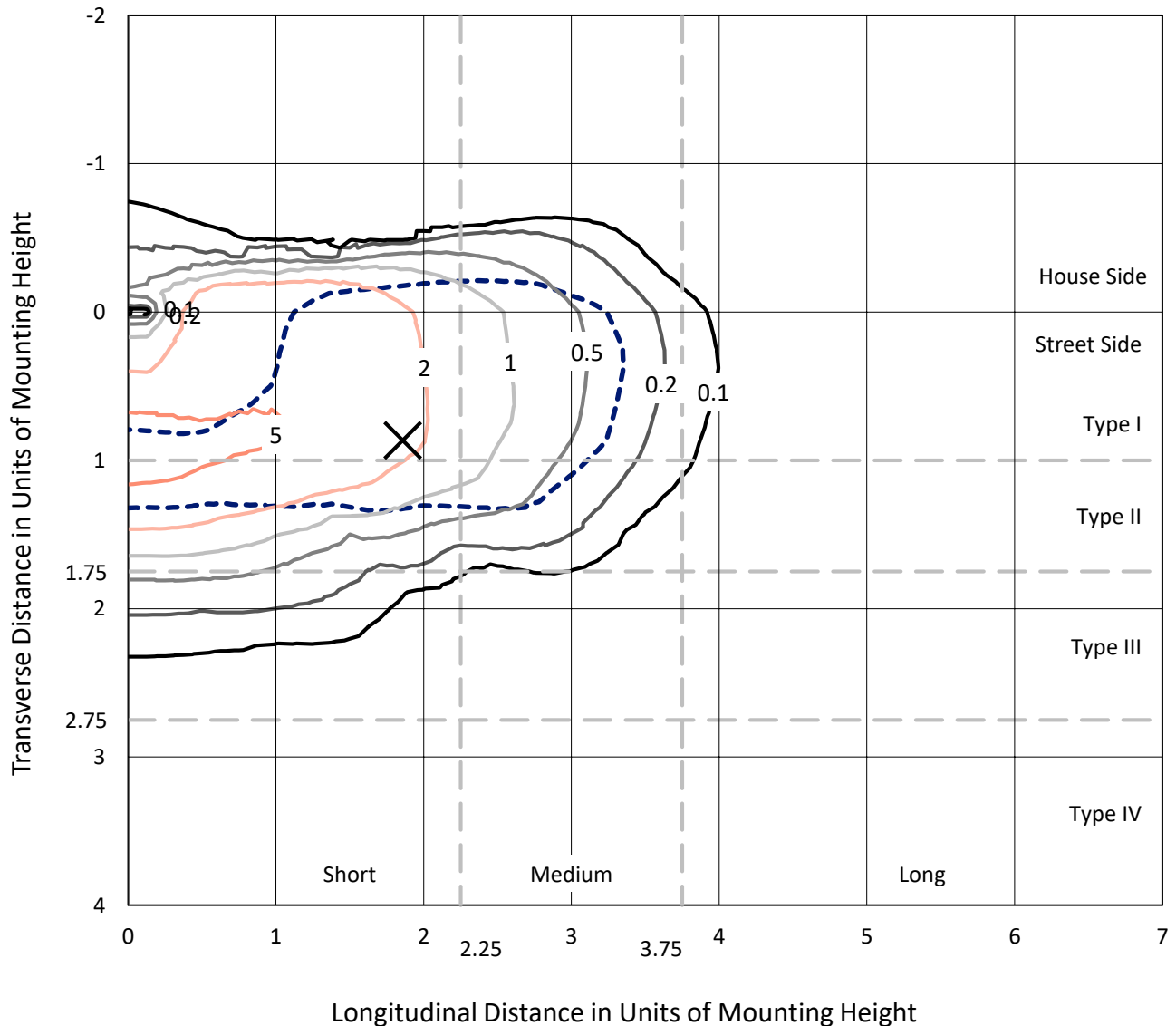


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

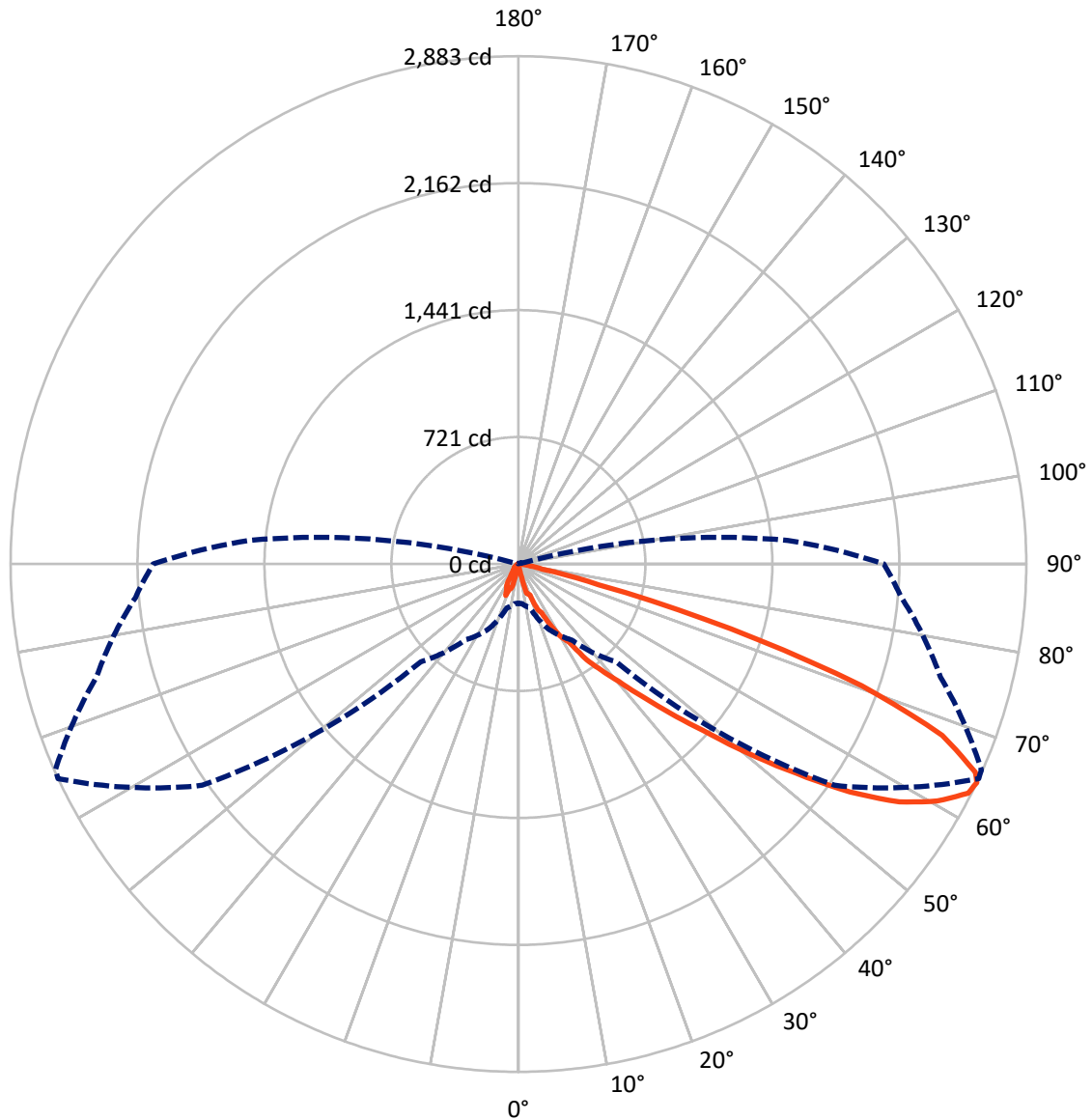


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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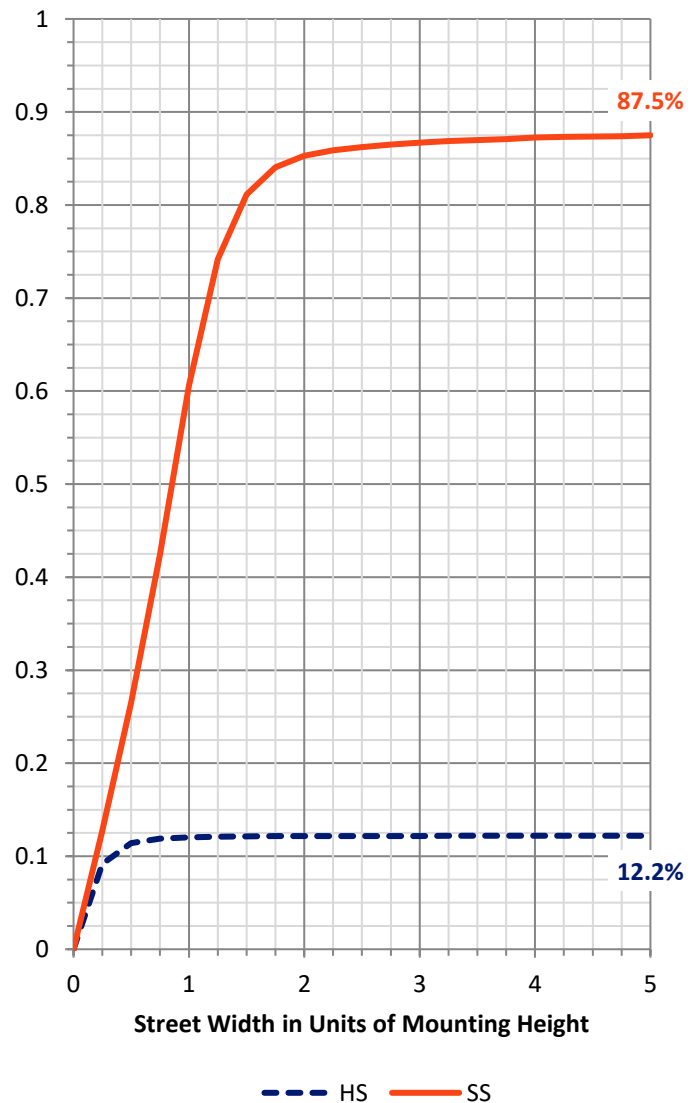
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.1	0.0	358.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2547.1	0.0	2547.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	2905.2	0.0	2905.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	29.0	1.0
20°-30°	98.6	3.4
30°-40°	276.6	9.5
40°-50°	642.4	22.1
50°-60°	897.9	30.9
60°-70°	708.3	24.4
70°-80°	237.2	8.2
80°-90°	12.9	0.4
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°	2905.2	100.0
0°-180°	2905.2	100.0



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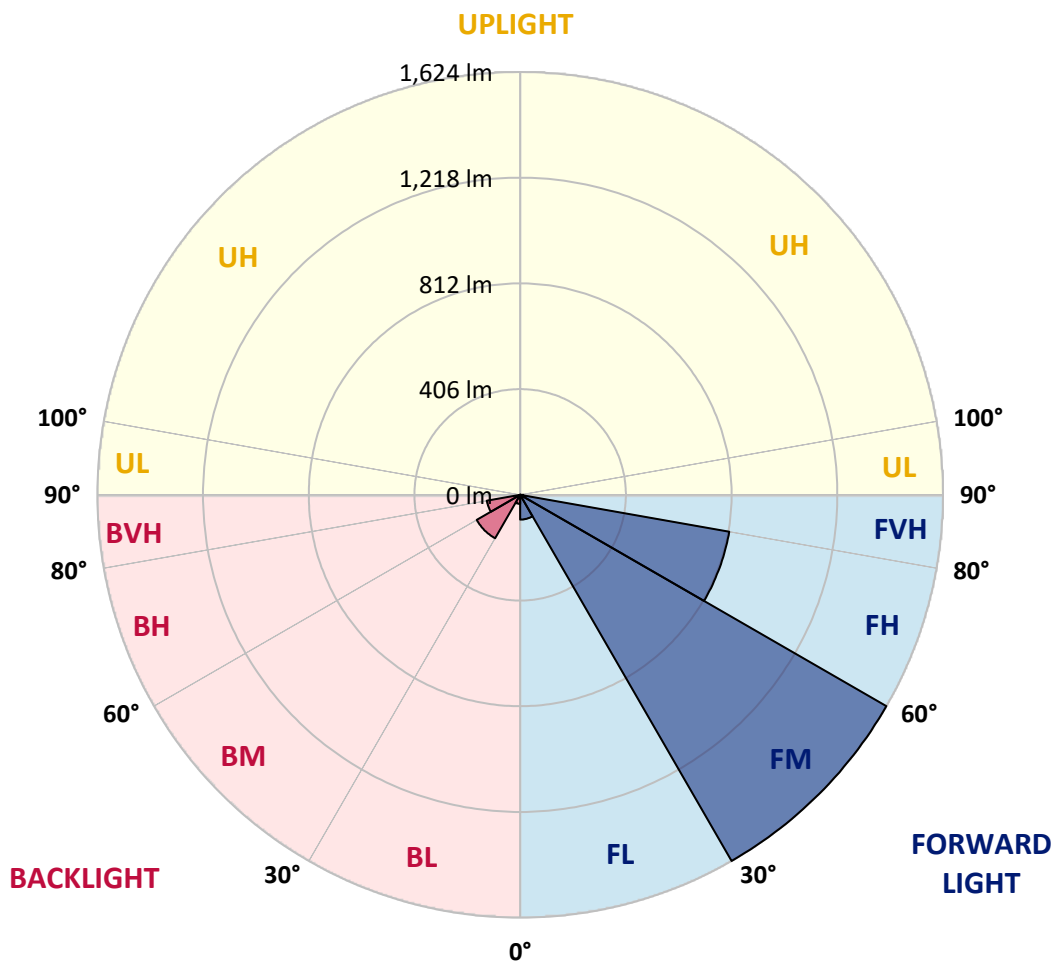
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.2	3.3			
FM (30°-60°)	1624.1	55.9			
FH (60°-80°)	815.4	28.1			G1/1800
FVH (80°-90°)	12.3	0.4			G1/100
BL (0°-30°)	34.7	1.2	B0/110		
BM (30°-60°)	192.8	6.6	B0/220		
BH (60°-80°)	130.0	4.5	B1/500		G1/500
BVH (80°-90°)	0.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	57.3	23.8	17.9	11.2	3.4	1.0	0.4	0.0	0.0	0.0	0.0
7.5°	82.5	82.0	82.0	82.9	83.9	76.6	5.8	0.4	0.0	0.0	0.0
10°	78.5	78.1	78.1	79.5	81.0	82.5	82.9	2.9	1.9	0.0	0.0
12.5°	157.2	156.1	150.3	89.7	81.0	81.5	83.4	56.7	34.0	12.6	60.1
15°	154.7	154.3	154.7	158.1	158.1	84.3	126.0	170.2	169.8	110.6	129.5
17.5°	158.5	156.1	155.1	157.7	161.4	186.8	184.7	178.9	179.4	117.4	132.9
20°	228.5	228.9	232.2	177.5	167.2	236.2	209.6	188.2	191.1	225.5	244.4
22.5°	232.2	231.8	236.2	244.4	288.1	242.4	280.8	282.2	288.6	295.3	262.3
25°	321.1	320.5	262.3	257.1	308.0	272.0	336.1	305.5	310.9	311.8	321.6
27.5°	363.3	358.9	361.7	363.3	324.9	382.2	348.2	403.5	386.6	427.3	407.9
30°	462.7	449.0	415.6	420.9	402.1	407.4	422.0	482.1	466.1	453.0	445.7
32.5°	676.6	668.3	635.4	524.2	487.9	443.3	512.1	527.6	529.6	619.8	617.9
35°	988.4	930.3	813.8	731.8	584.4	579.1	567.9	666.8	671.7	706.2	705.6
37.5°	1391.4	1379.7	1214.4	943.4	772.1	678.9	706.6	764.9	746.4	818.7	819.7
40°	1636.8	1625.7	1491.8	1258.0	986.5	853.6	820.1	876.4	845.3	970.4	946.1
42.5°	1813.8	1802.2	1704.7	1487.4	1299.7	1149.4	998.6	1022.3	1002.5	1114.5	1103.8
45°	1919.5	1903.1	1861.3	1677.0	1557.3	1493.8	1256.2	1204.2	1209.1	1295.4	1283.8
47.5°	1913.7	1888.5	1899.2	1786.7	1775.0	1810.4	1576.7	1410.9	1466.1	1512.1	1482.1
50°	1762.5	1742.5	1802.7	1817.7	1917.6	2060.2	1916.2	1685.8	1755.1	1726.1	1663.5
52.5°	1482.1	1486.0	1573.4	1675.2	1942.4	2232.3	2242.1	1973.4	2067.5	1919.5	1828.4
55°	1185.3	1196.0	1291.6	1414.7	1791.1	2288.7	2514.2	2282.9	2364.8	2079.1	1947.6
57.5°	871.6	888.5	1008.3	1113.1	1473.4	2145.1	2648.5	2548.6	2597.5	2216.4	2041.3
60°	516.5	525.7	684.8	836.6	1067.5	1719.7	2643.2	2731.4	2747.9	2358.5	2116.1
62.5°	305.1	309.9	363.3	564.6	703.2	1127.5	2441.8	2864.8	2860.0	2449.1	2167.3
64°	222.6	225.9	259.0	409.8	525.7	785.1	2189.7	2882.7	2876.9	2479.7	2181.9
65°	186.3	189.1	212.4	323.5	437.5	600.4	1909.9	2850.7	2846.9	2495.3	2181.0
67.5°	149.3	149.9	156.7	189.7	297.7	315.2	1105.8	2595.1	2583.6	2511.3	2145.1
70°	133.9	135.8	147.9	149.3	217.8	207.0	389.0	2066.9	2041.7	2384.1	2061.6
72.5°	106.2	109.2	128.5	146.5	157.2	155.1	177.5	1260.6	1270.6	1751.8	1728.1
75°	74.2	77.1	97.0	121.3	124.1	113.5	128.1	473.3	467.1	865.3	1004.8
77.5°	46.1	47.5	60.6	87.3	115.4	75.2	89.3	137.2	147.0	268.2	274.5
80°	30.6	31.0	38.4	57.7	80.0	67.8	53.3	69.4	70.8	84.3	41.7
82.5°	16.9	17.5	24.2	36.4	48.0	60.1	34.4	41.7	44.1	52.3	22.3
85°	5.8	6.3	12.6	20.3	29.1	29.1	22.3	25.2	25.6	33.0	11.7
87.5°	0.0	0.0	2.9	5.4	4.8	1.9	4.8	4.0	3.4	5.4	1.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	61.0	67.4	67.8	68.9
10°	0.0	0.0	0.4	0.4	0.0	65.0	68.9	67.4	64.0	63.1	62.1
12.5°	62.1	59.6	8.2	1.9	54.8	67.8	61.0	52.3	44.1	41.7	39.8
15°	128.1	126.6	113.0	124.1	77.1	58.2	43.1	46.6	39.4	36.8	35.8
17.5°	130.0	128.1	120.7	146.0	120.3	59.2	39.8	32.0	29.1	28.1	27.7
20°	246.8	239.6	175.6	143.5	92.1	60.1	30.6	25.6	23.8	26.2	27.7
22.5°	254.1	245.9	212.0	192.6	77.1	39.4	29.1	28.1	29.6	28.1	28.1
25°	320.5	296.3	232.8	158.1	68.4	35.0	33.0	25.6	23.8	22.8	22.8
27.5°	398.1	379.7	321.6	148.4	46.1	36.8	28.6	22.3	24.7	24.7	24.7
30°	425.8	400.1	324.9	130.0	40.8	33.5	24.2	24.2	21.9	20.9	20.9
32.5°	611.6	574.2	417.1	91.1	36.8	28.1	24.2	20.3	19.8	21.3	21.3
35°	681.4	637.7	406.5	67.4	32.4	25.6	20.9	19.8	18.9	18.9	18.9
37.5°	774.5	723.1	372.9	49.9	30.6	21.9	18.5	17.5	17.9	18.9	19.4
40°	896.3	834.2	345.8	41.2	26.2	18.9	16.5	16.9	16.9	16.9	16.9
42.5°	1039.8	954.0	305.5	36.8	22.3	16.9	15.1	15.1	15.6	15.6	15.6
45°	1204.7	1085.0	249.3	32.4	19.4	14.5	13.5	13.5	13.5	13.1	13.5
47.5°	1379.3	1226.6	189.1	28.6	16.5	13.1	12.1	11.7	11.7	11.2	11.7
50°	1552.9	1358.4	138.2	24.7	14.5	11.7	10.2	10.2	10.2	9.8	9.8
52.5°	1691.7	1447.6	98.0	21.3	12.6	10.2	8.7	8.2	8.2	7.7	7.7
55°	1808.0	1501.0	71.8	17.9	11.2	8.7	7.3	6.8	6.8	6.3	6.8
57.5°	1897.8	1534.4	54.3	14.5	9.8	7.3	5.8	5.4	5.4	5.4	5.4
60°	1973.4	1545.7	41.7	12.1	8.2	5.8	4.8	4.4	4.4	4.0	4.4
62.5°	2043.7	1542.7	34.4	10.7	7.3	4.8	4.0	3.4	2.9	2.4	2.9
64°	2073.7	1535.0	31.0	9.2	6.8	4.4	3.4	2.9	2.4	1.4	1.9
65°	2086.5	1522.8	28.6	8.2	6.3	4.0	3.4	2.9	1.4	1.0	1.4
67.5°	2075.7	1460.2	22.3	7.3	4.8	2.9	2.4	1.9	0.4	0.4	1.0
70°	1957.0	1327.4	16.9	6.3	4.4	2.4	1.9	1.4	1.0	0.4	1.0
72.5°	1537.0	954.5	13.1	4.8	3.4	1.4	1.9	1.4	1.0	0.4	0.0
75°	824.5	358.4	9.8	4.0	2.9	1.4	1.4	1.0	0.4	0.4	0.0
77.5°	212.4	113.0	6.8	2.4	2.4	1.0	1.0	1.0	0.4	0.4	0.0
80°	33.0	16.0	2.9	1.9	1.4	0.4	1.0	0.4	0.4	1.0	0.0
82.5°	13.5	6.3	1.9	1.4	1.4	0.0	1.0	0.4	0.4	0.4	0.0
85°	3.4	2.4	1.4	1.0	1.0	0.0	0.4	0.0	0.4	0.4	0.0
87.5°	0.4	1.0	1.0	1.0	1.0	0.0	0.4	0.0	0.0	0.0	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)