

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: P254204

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254204
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-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 3072.9 lumens
Efficiency: N/A
Efficacy: 76.8 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

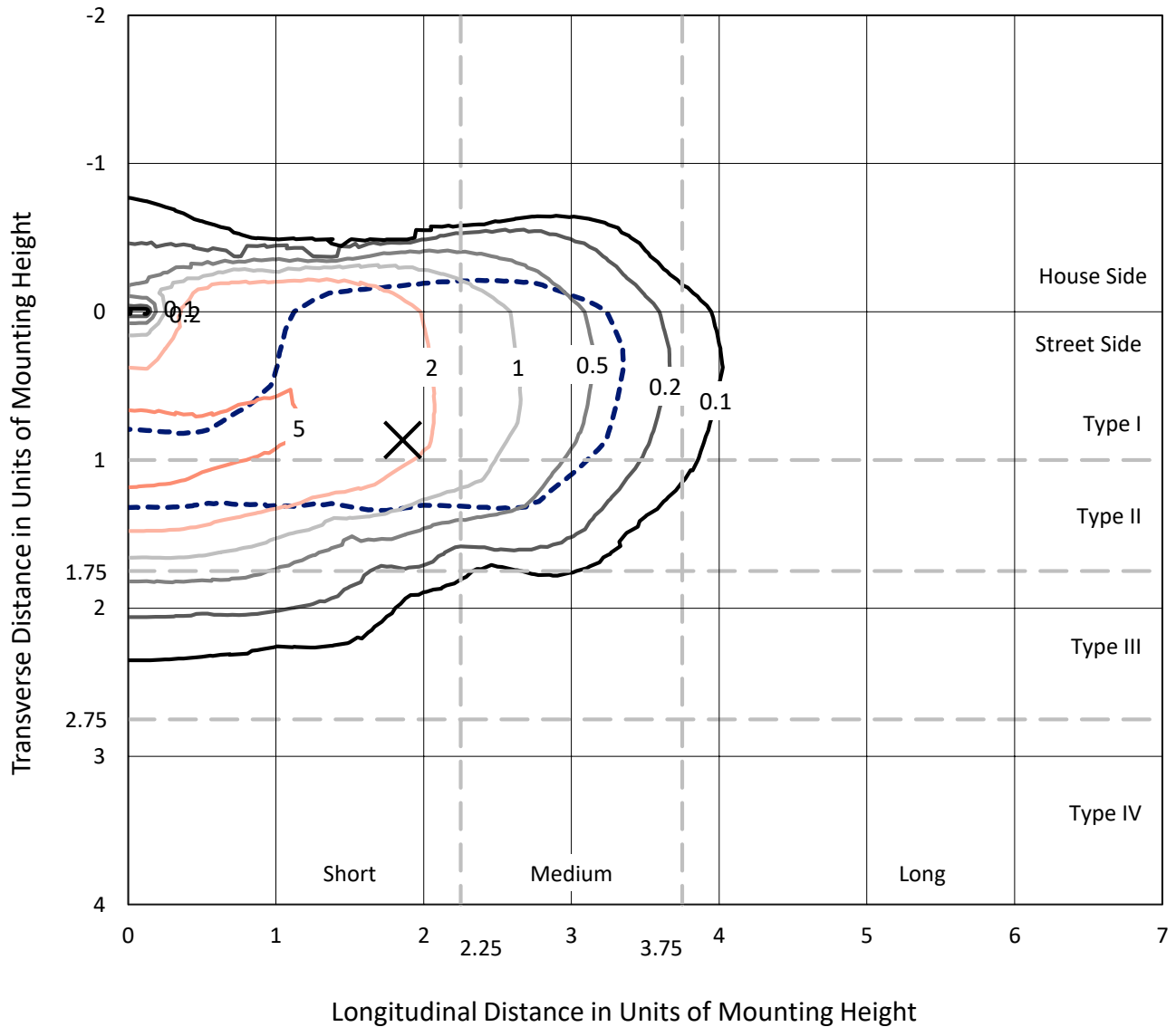
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

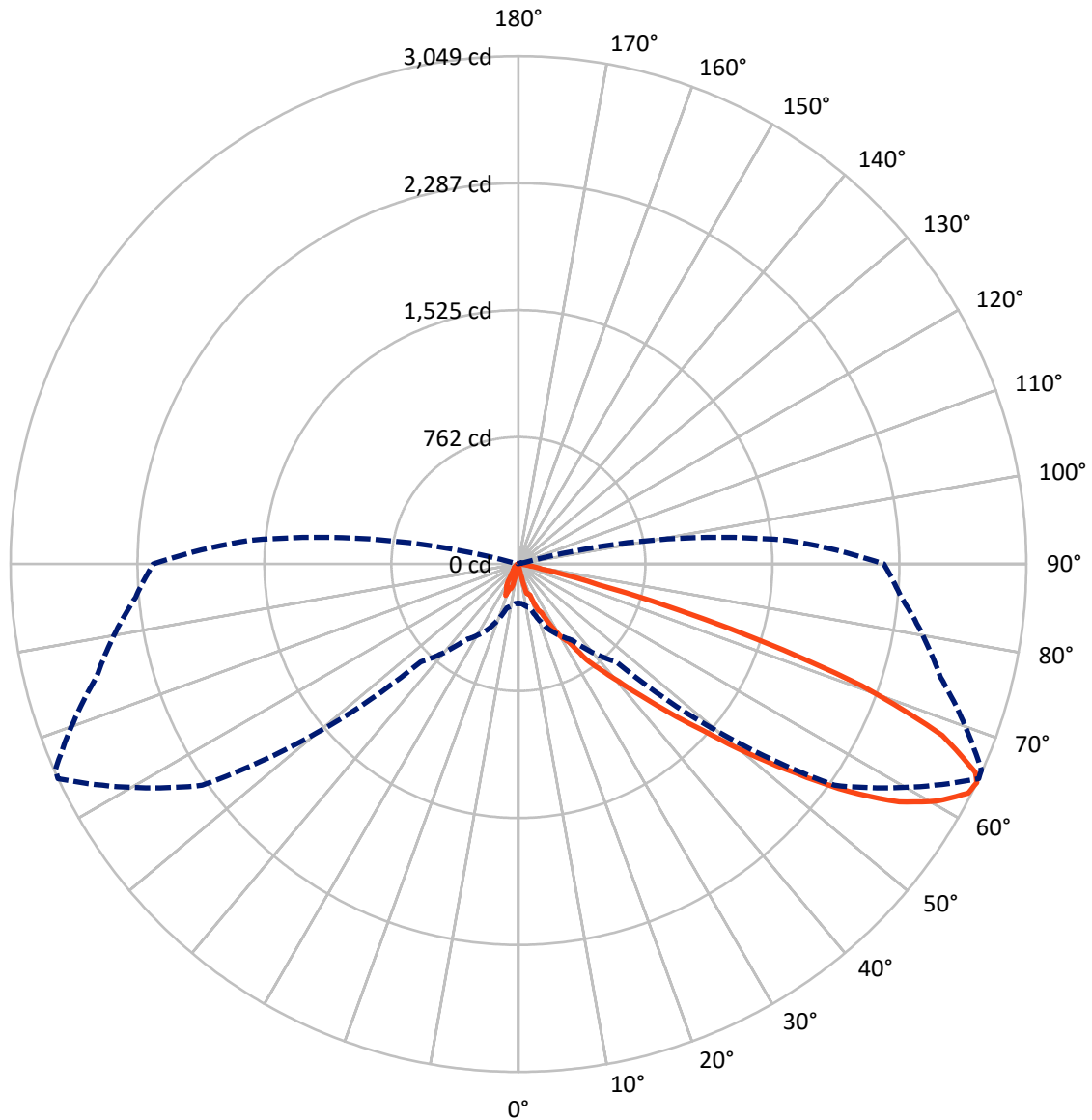


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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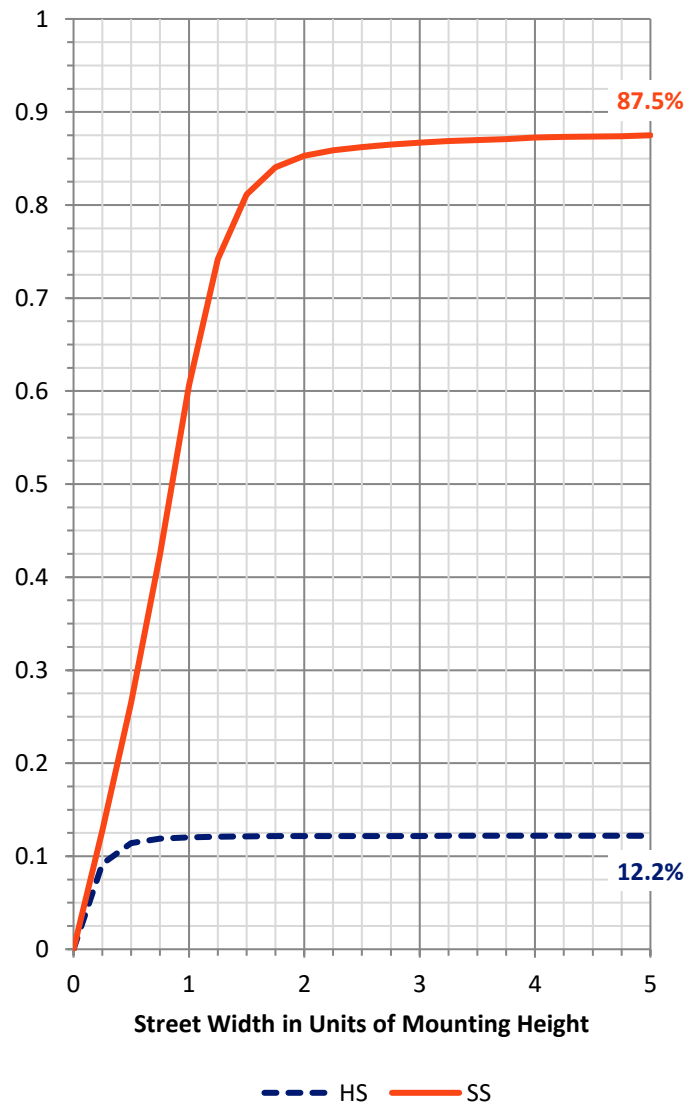
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.8	0.0	378.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2694.1	0.0	2694.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	3072.9	0.0	3072.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	30.7	1.0
20°-30°	104.3	3.4
30°-40°	292.6	9.5
40°-50°	679.5	22.1
50°-60°	949.7	30.9
60°-70°	749.2	24.4
70°-80°	250.9	8.2
80°-90°	13.7	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°	3072.9	100.0
0°-180°	3072.9	100.0

Coefficient of Utilization



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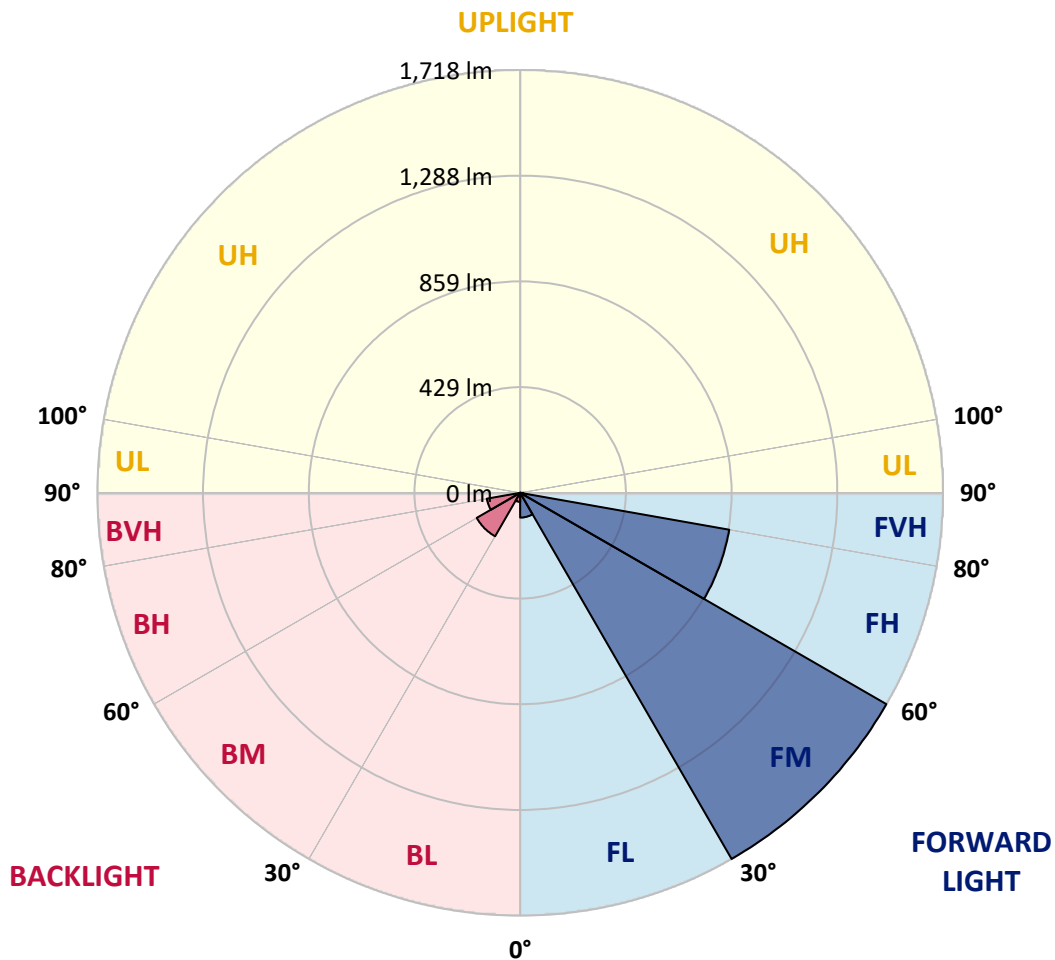
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.7	3.3			
FM (30°-60°)	1717.9	55.9			
FH (60°-80°)	862.5	28.1			G1/1800
FVH (80°-90°)	13.0	0.4			G1/100
BL (0°-30°)	36.7	1.2	B0/110		
BM (30°-60°)	203.9	6.6	B0/220		
BH (60°-80°)	137.6	4.5	B1/500		G1/500
BVH (80°-90°)	0.7	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°	60.6	25.2	19.0	11.8	3.6	1.0	0.5	0.0	0.0	0.0	0.0
7.5°	87.3	86.6	86.6	87.8	88.8	81.0	6.1	0.5	0.0	0.0	0.0
10°	83.1	82.6	82.6	84.1	85.6	87.3	87.8	3.1	2.0	0.0	0.0
12.5°	166.2	165.2	159.1	94.9	85.6	86.1	88.3	60.0	35.9	13.3	63.6
15°	163.7	163.2	163.7	167.3	167.3	89.3	133.4	180.0	179.5	116.9	137.0
17.5°	167.8	165.2	164.2	166.7	170.8	197.5	195.5	189.2	189.8	124.2	140.6
20°	241.6	242.1	245.7	187.7	177.0	249.8	221.6	199.1	202.1	238.6	258.5
22.5°	245.7	245.2	249.8	258.5	304.7	256.5	297.1	298.6	305.2	312.4	277.5
25°	339.6	339.1	277.5	271.9	325.7	287.8	355.5	323.2	328.8	329.8	340.1
27.5°	384.2	379.6	382.7	384.2	343.7	404.3	368.4	426.8	408.9	451.9	431.4
30°	489.4	475.1	439.7	445.3	425.2	430.9	446.3	509.9	493.0	479.2	471.5
32.5°	715.7	706.9	672.0	554.5	516.1	468.8	541.8	558.1	560.2	655.6	653.6
35°	1045.5	983.9	860.8	774.1	618.2	612.5	600.7	705.3	710.4	746.9	746.3
37.5°	1471.7	1459.4	1284.5	997.8	816.6	718.2	747.5	808.9	789.5	865.9	867.0
40°	1731.3	1719.5	1577.9	1330.7	1043.4	902.9	867.5	927.0	894.2	1026.5	1000.9
42.5°	1918.5	1906.3	1803.2	1573.3	1374.8	1215.8	1056.2	1081.4	1060.4	1178.8	1167.6
45°	2030.4	2013.0	1968.9	1773.9	1647.2	1579.9	1328.6	1273.8	1278.9	1370.1	1357.9
47.5°	2024.2	1997.5	2008.9	1889.8	1877.5	1915.0	1667.7	1492.3	1550.8	1599.5	1567.7
50°	1864.2	1843.2	1906.8	1922.6	2028.3	2179.2	2026.8	1783.1	1856.5	1825.8	1759.6
52.5°	1567.7	1571.8	1664.1	1771.9	2054.5	2361.3	2371.5	2087.3	2186.9	2030.4	1934.0
55°	1253.7	1265.0	1366.0	1496.4	1894.4	2420.8	2659.4	2414.6	2501.3	2199.1	2060.1
57.5°	921.9	939.8	1066.5	1177.3	1558.5	2268.9	2801.5	2695.8	2747.5	2344.3	2159.1
60°	546.4	556.1	724.4	884.9	1129.0	1819.0	2795.7	2889.1	2906.6	2494.7	2238.1
62.5°	322.6	327.8	384.2	597.1	743.8	1192.7	2582.8	3030.2	3025.1	2590.6	2292.5
64°	235.5	239.1	273.9	433.4	556.1	830.5	2316.2	3049.2	3043.1	2622.8	2307.9
65°	197.0	200.1	224.6	342.2	462.7	635.0	2020.1	3015.4	3011.3	2639.3	2306.9
67.5°	158.0	158.6	165.7	200.6	315.0	333.5	1169.6	2745.0	2732.7	2656.2	2268.9
70°	141.6	143.6	156.5	158.0	230.4	219.0	411.4	2186.4	2159.7	2521.9	2180.7
72.5°	112.3	115.4	136.0	154.9	166.2	164.2	187.7	1333.2	1344.1	1852.9	1827.8
75°	78.5	81.5	102.6	128.3	131.3	120.0	135.4	500.6	494.0	915.1	1062.9
77.5°	48.7	50.2	64.1	92.4	122.1	79.5	94.4	145.2	155.4	283.7	290.3
80°	32.3	32.8	40.5	61.1	84.6	71.8	56.5	73.3	74.9	89.3	44.1
82.5°	18.0	18.5	25.7	38.5	50.7	63.6	36.4	44.1	46.6	55.4	23.6
85°	6.1	6.6	13.3	21.6	30.8	30.8	23.6	26.7	27.2	34.9	12.3
87.5°	0.0	0.0	3.1	5.6	5.1	2.0	5.1	4.1	3.6	5.6	2.0
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	0.5	0.0	0.0	0.0	0.0	64.7	71.3	71.8	72.8
10°	0.0	0.0	0.5	0.5	0.0	68.7	72.8	71.3	67.7	66.7	65.7
12.5°	65.7	63.1	8.7	2.0	58.0	71.8	64.7	55.4	46.6	44.1	42.0
15°	135.4	133.9	119.5	131.3	81.5	61.6	45.6	49.2	41.5	39.0	38.0
17.5°	137.5	135.4	127.8	154.4	127.3	62.6	42.0	33.9	30.8	29.8	29.3
20°	261.2	253.4	185.7	151.8	97.5	63.6	32.3	27.2	25.2	27.7	29.3
22.5°	268.8	260.0	224.1	203.7	81.5	41.5	30.8	29.8	31.3	29.8	29.8
25°	339.1	313.4	246.2	167.3	72.3	36.9	34.9	27.2	25.2	24.1	24.1
27.5°	421.1	401.7	340.1	157.0	48.7	39.0	30.3	23.6	26.2	26.2	26.2
30°	450.4	423.2	343.7	137.5	43.1	35.4	25.7	25.7	23.1	22.1	22.1
32.5°	646.9	607.3	441.2	96.5	39.0	29.8	25.7	21.6	21.1	22.6	22.6
35°	720.8	674.5	429.8	71.3	34.4	27.2	22.1	21.1	20.0	20.0	20.0
37.5°	819.3	764.9	394.4	52.9	32.3	23.1	19.5	18.5	19.0	20.0	20.6
40°	948.0	882.3	365.8	43.6	27.7	20.0	17.5	18.0	18.0	18.0	18.0
42.5°	1099.9	1009.0	323.2	39.0	23.6	18.0	15.9	15.9	16.4	16.4	16.4
45°	1274.3	1147.5	263.7	34.4	20.6	15.3	14.3	14.3	14.3	13.8	14.3
47.5°	1458.9	1297.3	200.1	30.3	17.5	13.8	12.8	12.3	12.3	11.8	12.3
50°	1642.6	1436.8	146.2	26.2	15.3	12.3	10.7	10.7	10.7	10.2	10.2
52.5°	1789.2	1531.3	103.6	22.6	13.3	10.7	9.2	8.7	8.7	8.2	8.2
55°	1912.4	1587.7	75.9	19.0	11.8	9.2	7.7	7.2	7.2	6.6	7.2
57.5°	2007.3	1623.1	57.5	15.3	10.2	7.7	6.1	5.6	5.6	5.6	5.6
60°	2087.3	1634.9	44.1	12.8	8.7	6.1	5.1	4.6	4.6	4.1	4.6
62.5°	2161.7	1631.8	36.4	11.3	7.7	5.1	4.1	3.6	3.1	2.6	3.1
64°	2193.5	1623.6	32.8	9.7	7.2	4.6	3.6	3.1	2.6	1.5	2.0
65°	2206.8	1610.7	30.3	8.7	6.6	4.1	3.6	3.1	1.5	1.0	1.5
67.5°	2195.6	1544.6	23.6	7.7	5.1	3.1	2.6	2.0	0.5	0.5	1.0
70°	2069.9	1404.0	18.0	6.6	4.6	2.6	2.0	1.5	1.0	0.5	1.0
72.5°	1625.7	1009.6	13.8	5.1	3.6	1.5	2.0	1.5	1.0	0.5	0.0
75°	872.1	379.1	10.2	4.1	3.1	1.5	1.5	1.0	0.5	0.5	0.0
77.5°	224.6	119.5	7.2	2.6	2.6	1.0	1.0	1.0	0.5	0.5	0.0
80°	34.9	16.9	3.1	2.0	1.5	0.5	1.0	0.5	0.5	1.0	0.0
82.5°	14.3	6.6	2.0	1.5	1.5	0.0	1.0	0.5	0.5	0.5	0.0
85°	3.6	2.6	1.5	1.0	1.0	0.0	0.5	0.0	0.5	0.5	0.0
87.5°	0.5	1.0	1.0	1.0	1.0	0.0	0.5	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)