

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: P254193

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254193
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-AF24-20-D-U-T2U-7030-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 1598.4 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 21
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

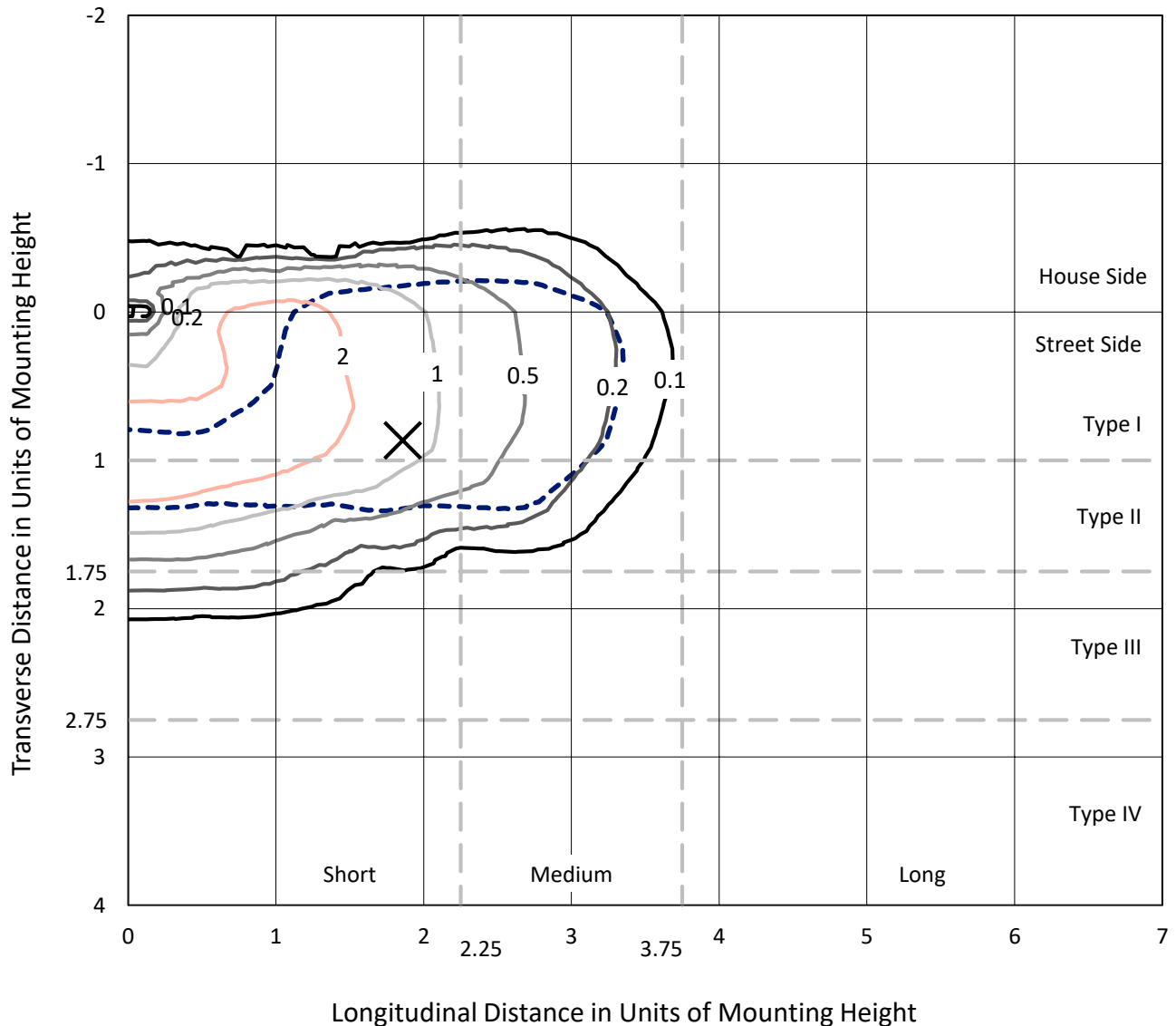


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

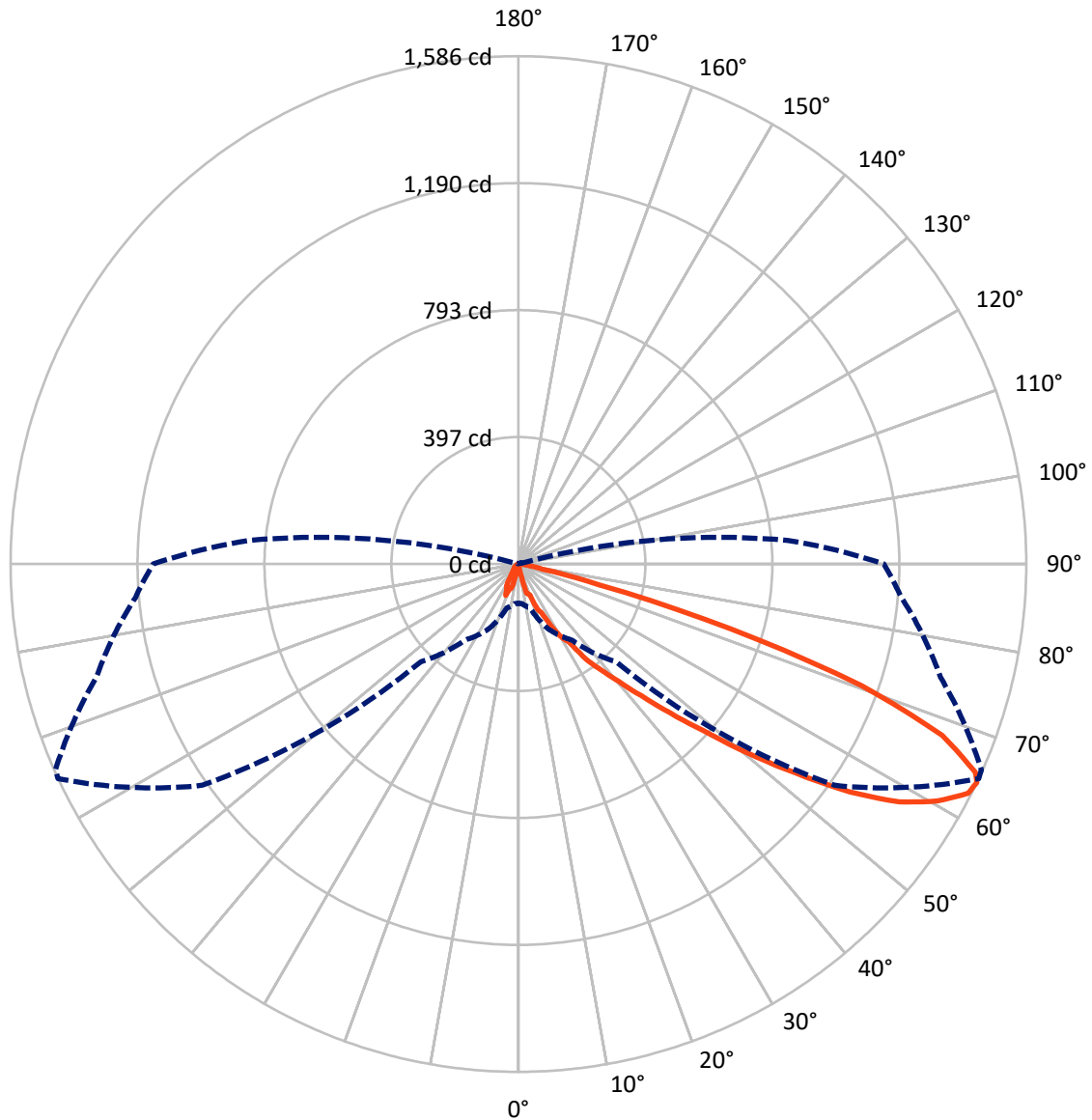


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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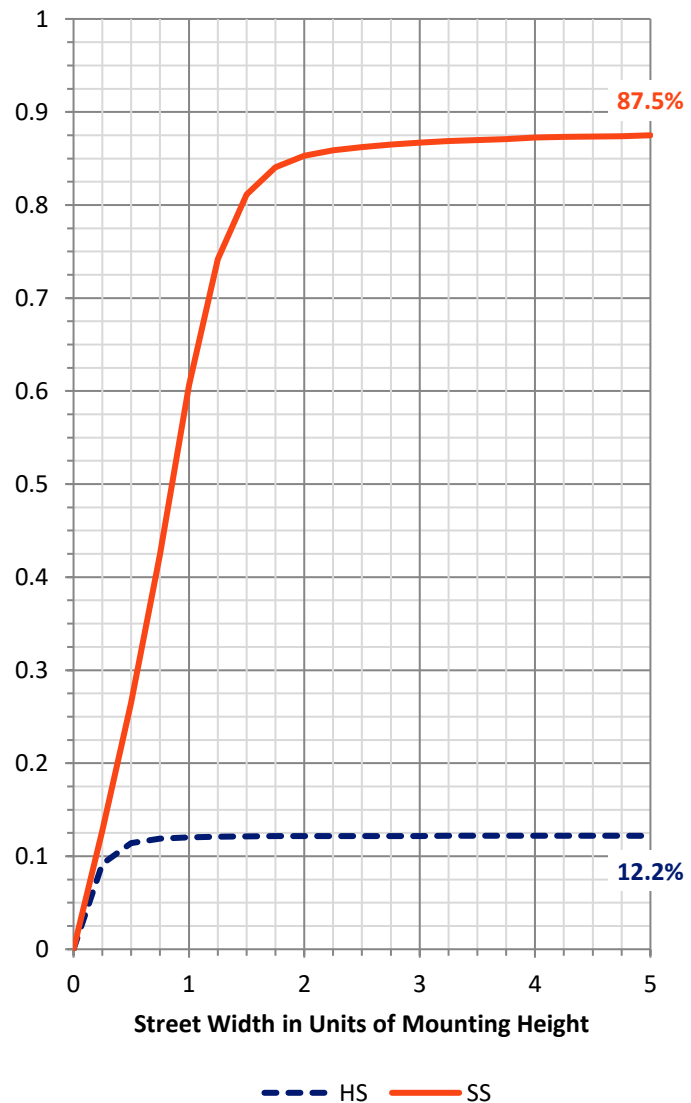
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.0	0.0	197.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1401.4	0.0	1401.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	1598.4	0.0	1598.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	16.0	1.0
20°-30°	54.2	3.4
30°-40°	152.2	9.5
40°-50°	353.4	22.1
50°-60°	494.0	30.9
60°-70°	389.7	24.4
70°-80°	130.5	8.2
80°-90°	7.1	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°	1598.4	100.0
0°-180°	1598.4	100.0



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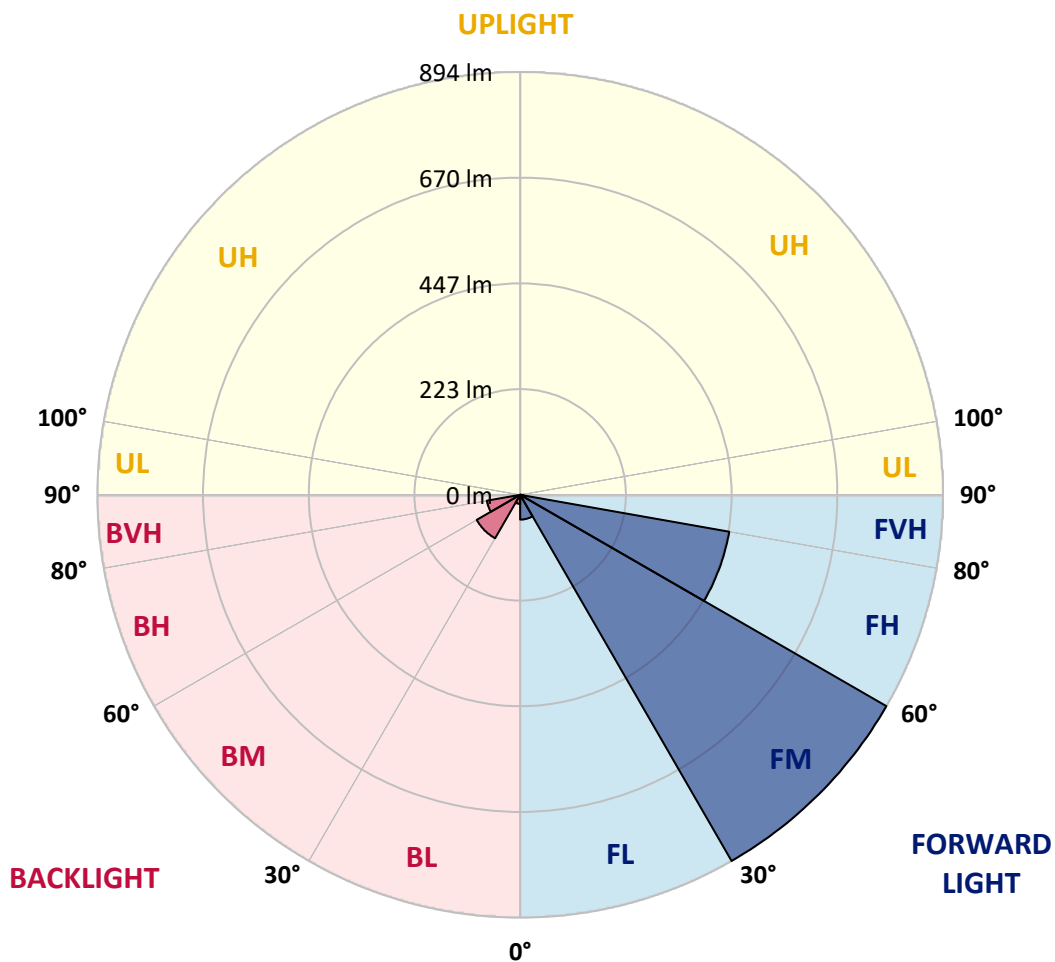
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.4	3.3			
FM (30°-60°)	893.6	55.9			
FH (60°-80°)	448.7	28.1			G0/660
FVH (80°-90°)	6.8	0.4			G0/10
BL (0°-30°)	19.1	1.2	B0/110		
BM (30°-60°)	106.1	6.6	B0/220		
BH (60°-80°)	71.5	4.5	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

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°	31.4	13.1	9.9	6.1	1.8	0.5	0.2	0.0	0.0	0.0	0.0
7.5°	45.4	45.2	45.2	45.7	46.2	42.2	3.2	0.2	0.0	0.0	0.0
10°	43.2	42.9	42.9	43.8	44.6	45.4	45.7	1.6	1.1	0.0	0.0
12.5°	86.5	85.9	82.7	49.3	44.6	44.8	45.9	31.2	18.7	6.9	33.1
15°	85.1	84.9	85.1	87.0	87.0	46.4	69.4	93.6	93.4	60.8	71.2
17.5°	87.3	85.9	85.4	86.8	88.8	102.7	101.7	98.5	98.8	64.6	73.1
20°	125.6	125.9	127.9	97.7	92.1	129.9	115.3	103.6	105.1	124.1	134.5
22.5°	127.9	127.5	129.9	134.5	158.5	133.4	154.5	155.2	158.8	162.5	144.3
25°	176.7	176.4	144.3	141.4	169.5	149.6	184.8	168.2	171.0	171.5	176.9
27.5°	199.8	197.4	199.1	199.8	178.7	210.4	191.6	222.1	212.6	235.1	224.4
30°	254.6	247.2	228.7	231.6	221.2	224.2	232.1	265.3	256.4	249.2	245.2
32.5°	372.2	367.6	349.5	288.5	268.4	243.8	281.8	290.3	291.4	341.0	339.9
35°	543.8	511.8	447.8	402.6	321.6	318.6	312.5	366.9	369.7	388.5	388.3
37.5°	765.6	759.2	668.1	519.0	424.8	373.5	388.8	420.7	410.7	450.4	450.9
40°	900.7	894.5	820.7	692.1	542.8	469.6	451.2	482.2	465.1	533.9	520.6
42.5°	998.0	991.5	938.0	818.4	715.1	632.4	549.5	562.4	551.5	613.2	607.4
45°	1056.2	1047.0	1024.1	922.7	856.8	821.8	691.1	662.5	665.3	712.7	706.4
47.5°	1052.9	1039.0	1044.9	983.0	976.7	996.1	867.5	776.3	806.7	832.0	815.5
50°	969.6	958.7	991.8	1000.2	1055.1	1133.6	1054.3	927.5	965.8	949.7	915.3
52.5°	815.5	817.6	865.7	921.7	1068.7	1228.3	1233.6	1085.8	1137.5	1056.2	1006.0
55°	652.2	658.1	710.6	778.4	985.4	1259.2	1383.3	1256.1	1301.2	1144.0	1071.7
57.5°	479.5	488.8	554.7	612.4	810.7	1180.2	1457.2	1402.3	1429.2	1219.5	1123.1
60°	284.2	289.2	376.7	460.3	587.3	946.1	1454.2	1502.9	1511.9	1297.7	1164.2
62.5°	167.8	170.6	199.8	310.7	386.9	620.4	1343.6	1576.3	1573.6	1347.5	1192.6
64°	122.5	124.3	142.5	225.5	289.2	432.0	1204.8	1586.1	1582.9	1364.3	1200.5
65°	102.4	104.1	116.9	178.0	240.7	330.4	1050.8	1568.5	1566.3	1372.9	1200.0
67.5°	82.2	82.5	86.2	104.4	163.9	173.4	608.3	1427.9	1421.5	1381.7	1180.2
70°	73.6	74.8	81.4	82.2	119.8	113.9	214.0	1137.3	1123.4	1311.7	1134.3
72.5°	58.5	60.1	70.7	80.7	86.5	85.4	97.7	693.5	699.1	963.7	950.8
75°	40.9	42.4	53.3	66.7	68.3	62.4	70.5	260.5	257.0	476.1	552.9
77.5°	25.3	26.1	33.4	48.1	63.5	41.4	49.0	75.5	80.9	147.6	151.0
80°	16.8	17.1	21.1	31.8	44.0	37.3	29.4	38.1	39.0	46.4	23.0
82.5°	9.3	9.7	13.3	20.0	26.4	33.1	18.9	23.0	24.2	28.9	12.2
85°	3.2	3.5	6.9	11.3	16.1	16.1	12.2	13.8	14.1	18.1	6.4
87.5°	0.0	0.0	1.6	2.9	2.6	1.1	2.6	2.1	1.8	2.9	1.1
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°	0.0	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	0.2	0.0	0.0	0.0	0.0	33.7	37.0	37.3	37.9
10°	0.0	0.0	0.2	0.2	0.0	35.7	37.9	37.0	35.2	34.6	34.2
12.5°	34.2	32.8	4.6	1.1	30.1	37.3	33.7	28.9	24.2	23.0	21.9
15°	70.5	69.6	62.2	68.3	42.4	32.0	23.7	25.5	21.7	20.3	19.7
17.5°	71.6	70.5	66.4	80.3	66.2	32.6	21.9	17.6	16.1	15.6	15.2
20°	135.8	131.7	96.5	79.0	50.7	33.1	16.8	14.1	13.1	14.4	15.2
22.5°	139.9	135.3	116.6	106.0	42.4	21.7	16.1	15.6	16.3	15.6	15.6
25°	176.4	163.1	128.1	87.0	37.5	19.2	18.1	14.1	13.1	12.6	12.6
27.5°	219.1	208.9	176.9	81.6	25.3	20.3	15.8	12.2	13.6	13.6	13.6
30°	234.3	220.1	178.7	71.6	22.4	18.5	13.3	13.3	12.0	11.5	11.5
32.5°	336.5	316.0	229.5	50.1	20.3	15.6	13.3	11.3	10.9	11.7	11.7
35°	374.9	350.9	223.7	37.0	17.9	14.1	11.5	10.9	10.4	10.4	10.4
37.5°	426.1	397.8	205.2	27.6	16.8	12.0	10.2	9.7	9.9	10.4	10.7
40°	493.1	459.0	190.2	22.7	14.4	10.4	9.1	9.3	9.3	9.3	9.3
42.5°	572.1	524.9	168.2	20.3	12.2	9.3	8.3	8.3	8.5	8.5	8.5
45°	662.8	596.9	137.1	17.9	10.7	7.9	7.4	7.4	7.4	7.2	7.4
47.5°	759.0	674.9	104.1	15.8	9.1	7.2	6.7	6.4	6.4	6.1	6.4
50°	854.4	747.5	76.1	13.6	7.9	6.4	5.6	5.6	5.6	5.4	5.4
52.5°	930.8	796.5	53.9	11.7	6.9	5.6	4.8	4.6	4.6	4.3	4.3
55°	994.8	825.9	39.5	9.9	6.1	4.8	4.1	3.8	3.8	3.5	3.8
57.5°	1044.2	844.2	29.9	7.9	5.4	4.1	3.2	2.9	2.9	2.9	2.9
60°	1085.8	850.5	23.0	6.7	4.6	3.2	2.6	2.4	2.4	2.1	2.4
62.5°	1124.5	848.8	18.9	5.9	4.1	2.6	2.1	1.8	1.6	1.3	1.6
64°	1141.0	844.6	17.1	5.0	3.8	2.4	1.8	1.6	1.3	0.8	1.1
65°	1148.0	837.9	15.8	4.6	3.5	2.1	1.8	1.6	0.8	0.5	0.8
67.5°	1142.1	803.5	12.2	4.1	2.6	1.6	1.3	1.1	0.2	0.2	0.5
70°	1076.8	730.4	9.3	3.5	2.4	1.3	1.1	0.8	0.5	0.2	0.5
72.5°	845.6	525.1	7.2	2.6	1.8	0.8	1.1	0.8	0.5	0.2	0.0
75°	453.7	197.2	5.4	2.1	1.6	0.8	0.8	0.5	0.2	0.2	0.0
77.5°	116.9	62.2	3.8	1.3	1.3	0.5	0.5	0.5	0.2	0.2	0.0
80°	18.1	8.8	1.6	1.1	0.8	0.2	0.5	0.2	0.2	0.5	0.0
82.5°	7.4	3.5	1.1	0.8	0.8	0.0	0.5	0.2	0.2	0.2	0.0
85°	1.8	1.3	0.8	0.5	0.5	0.0	0.2	0.0	0.2	0.2	0.0
87.5°	0.2	0.5	0.5	0.5	0.5	0.0	0.2	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)