

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: P415049

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-T2U-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
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3371 lumens
Efficiency: N/A
Efficacy: 84.3 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

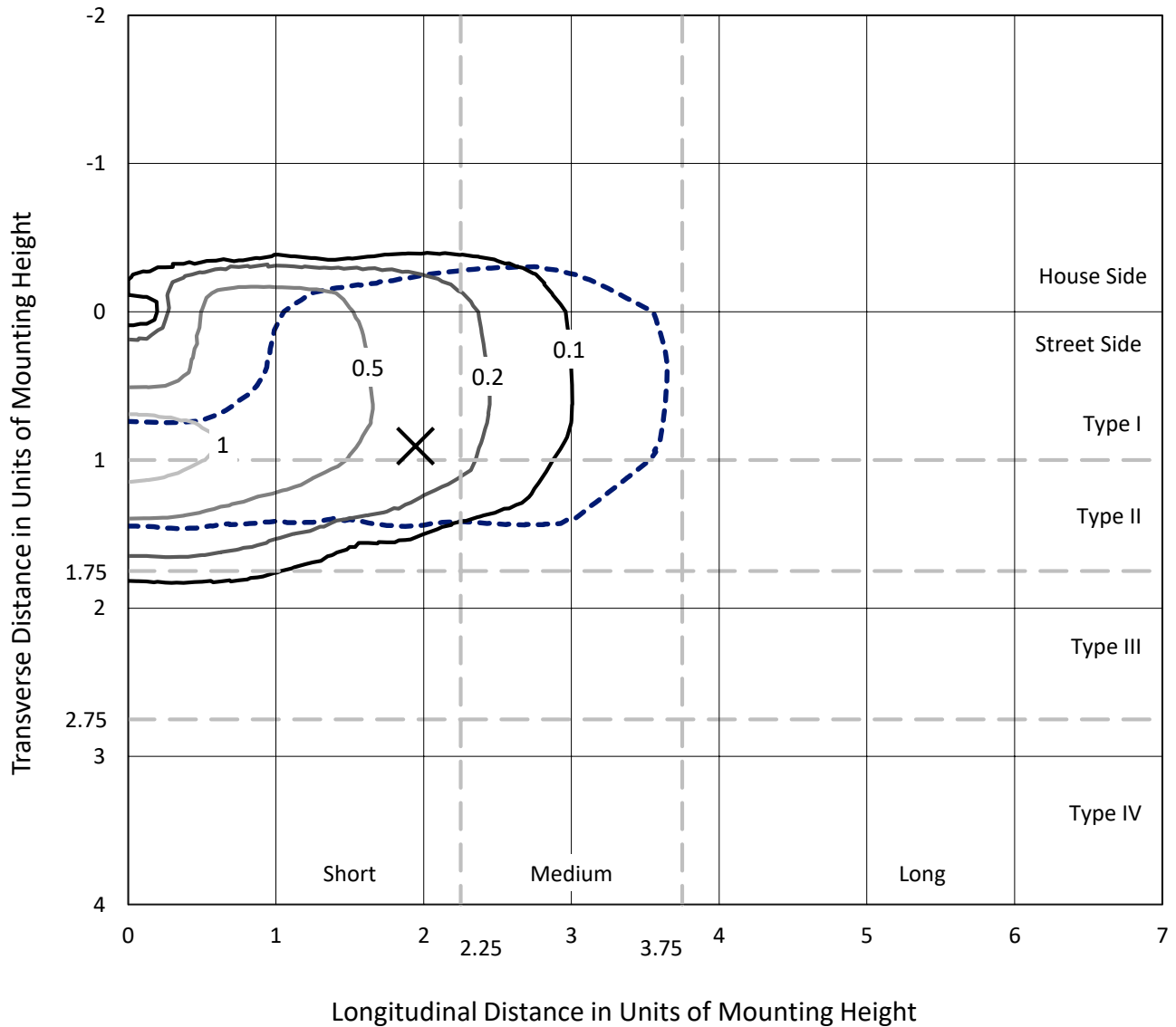
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

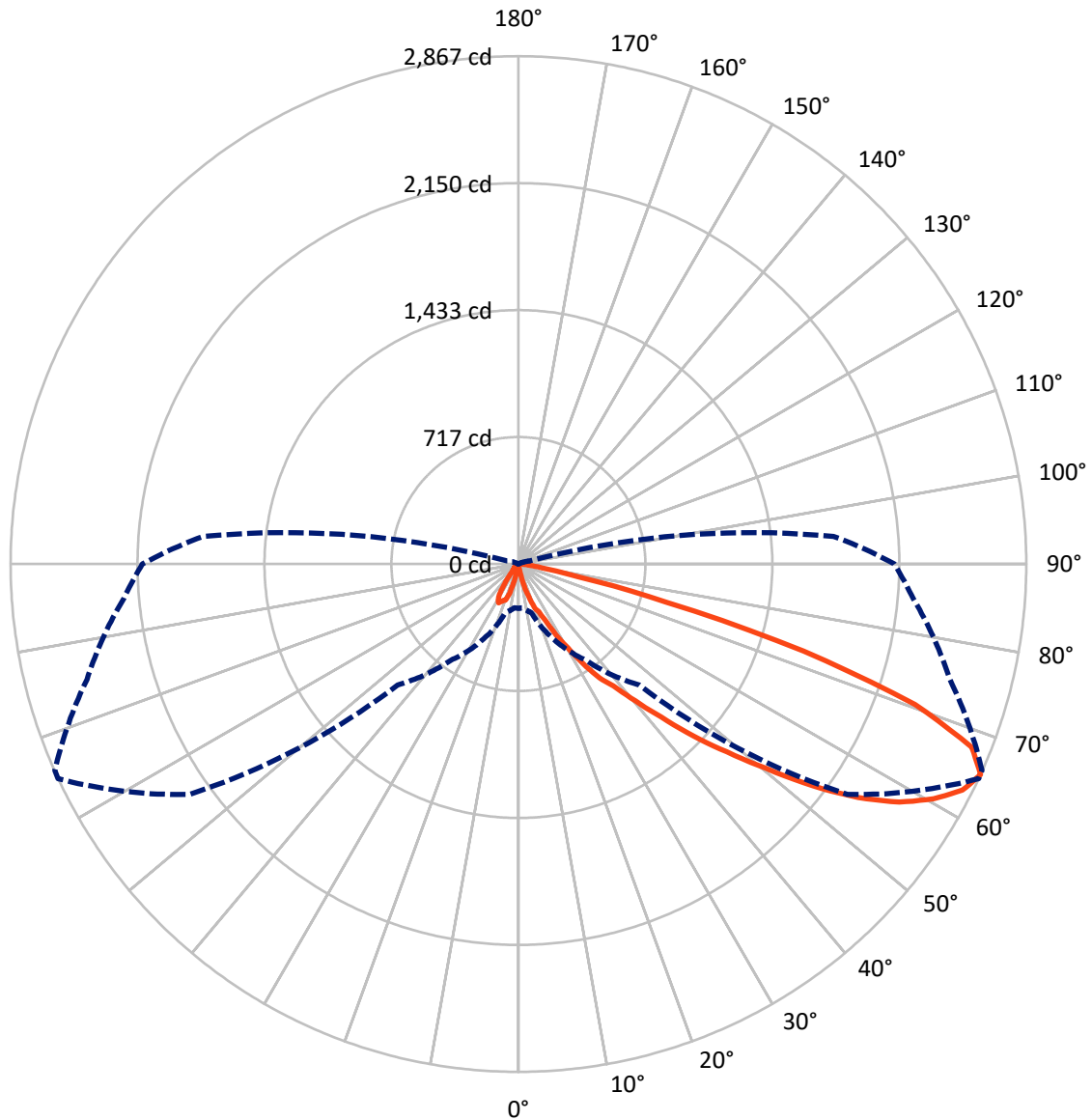
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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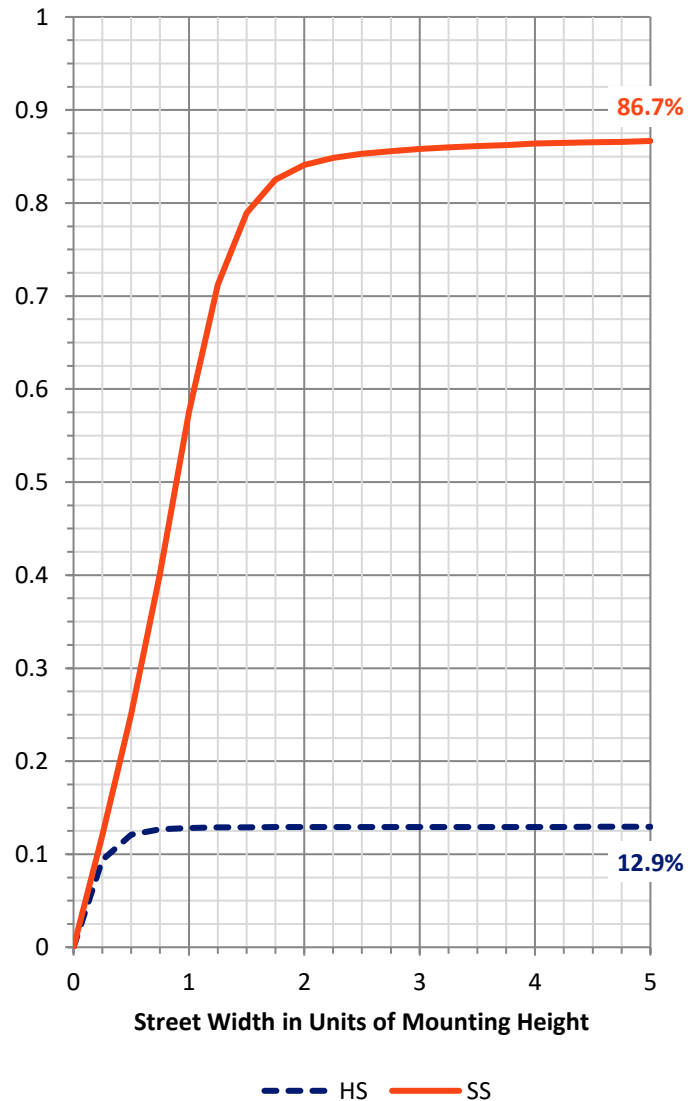
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.3	0.0	442.3
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	2928.7	0.0	2928.7
	% Fixture	86.9	0.0	86.9
Total	Lumens	3371.0	0.0	3371.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	35.0	1.0
20°-30°	118.9	3.5
30°-40°	334.5	9.9
40°-50°	742.1	22.0
50°-60°	995.1	29.5
60°-70°	792.8	23.5
70°-80°	326.6	9.7
80°-90°	23.4	0.7
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°	3371.0	100.0
0°-180°	3371.0	100.0



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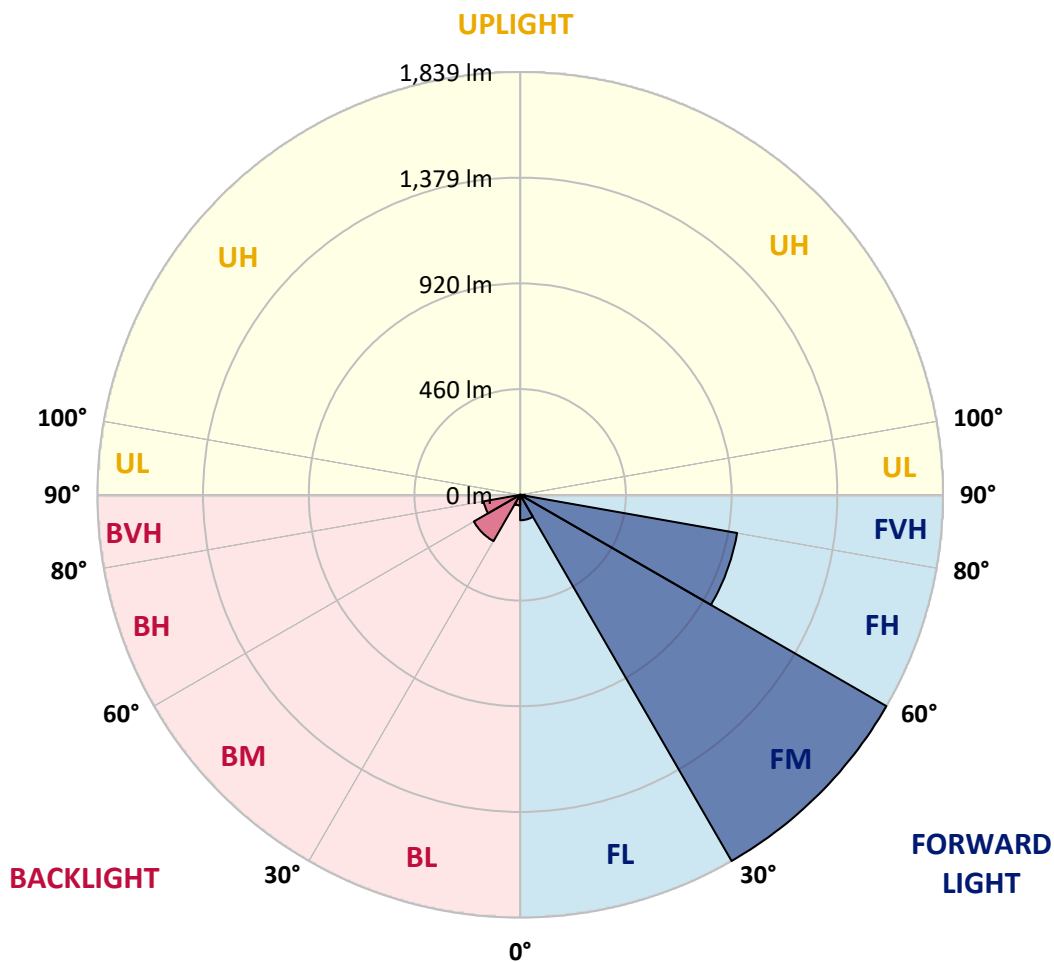
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.6	3.3			
FM (30°-60°)	1839.1	54.6			
FH (60°-80°)	958.2	28.4			G1/1800
FVH (80°-90°)	20.8	0.6			G1/100
BL (0°-30°)	46.0	1.4	B0/110		
BM (30°-60°)	232.6	6.9	B1/1000		
BH (60°-80°)	161.1	4.8	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.5	0.5	0.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0
5°	14.5	13.5	10.0	5.5	3.0	2.0	1.5	1.0	1.0	1.0	1.0
7.5°	100.7	100.2	100.2	101.2	101.7	36.4	3.5	1.5	1.5	1.0	1.0
10°	96.7	96.2	96.2	97.7	99.2	99.7	95.7	2.5	2.0	1.0	1.0
12.5°	180.5	177.5	113.2	99.2	96.7	97.7	98.2	84.8	39.4	60.8	75.3
15°	181.0	179.5	181.0	183.5	146.6	102.2	149.1	145.6	145.6	107.2	147.1
17.5°	183.0	181.0	182.0	185.5	180.0	211.4	199.5	206.4	206.4	152.6	162.6
20°	270.3	269.8	273.8	200.5	223.9	262.3	217.4	266.8	271.8	226.9	234.9
22.5°	275.7	275.2	281.7	280.7	274.8	281.7	318.1	292.2	293.7	343.1	310.2
25°	384.0	375.0	304.2	298.7	361.0	334.6	381.5	352.0	349.0	414.9	393.4
27.5°	439.3	435.3	439.8	426.3	382.5	410.4	412.9	453.3	432.8	475.2	484.7
30°	534.0	536.5	514.1	491.7	501.1	476.2	496.6	551.0	548.5	538.5	611.3
32.5°	852.7	826.7	782.9	609.3	570.9	553.0	609.8	671.2	646.2	683.1	755.9
35°	1128.4	1070.6	997.8	874.1	709.1	661.2	730.5	790.8	775.4	849.7	845.2
37.5°	1588.2	1561.2	1435.1	1119.4	954.9	824.8	858.2	872.6	890.6	975.3	973.3
40°	1859.9	1829.0	1739.8	1489.9	1205.2	1023.2	1008.8	1016.2	1022.2	1107.5	1113.5
42.5°	2088.3	2074.3	1987.6	1748.2	1515.4	1344.8	1209.7	1180.3	1191.3	1277.5	1266.0
45°	2243.4	2226.9	2148.6	1981.6	1788.6	1700.9	1443.1	1385.7	1388.7	1436.6	1427.6
47.5°	2277.3	2257.8	2222.9	2130.2	2064.9	1993.6	1735.3	1584.2	1618.1	1620.6	1590.2
50°	2156.6	2132.7	2162.1	2140.2	2239.9	2275.8	2031.0	1815.6	1873.9	1820.5	1736.3
52.5°	1857.9	1865.4	1956.2	2022.5	2246.4	2473.3	2348.6	2080.8	2120.2	1985.6	1874.4
55°	1475.5	1493.9	1644.0	1765.7	2093.8	2528.6	2578.5	2326.7	2342.1	2161.1	1986.1
57.5°	1086.5	1111.5	1296.0	1431.6	1798.1	2409.4	2691.2	2535.6	2566.0	2287.8	2063.9
60°	668.7	691.6	900.5	1107.0	1380.2	2066.9	2706.1	2692.2	2727.1	2377.0	2142.2
62.5°	407.4	426.8	518.1	768.9	991.8	1562.2	2581.5	2812.3	2829.8	2467.3	2198.5
65°	250.8	247.3	284.2	467.2	661.7	965.9	2266.3	2866.7	2864.7	2521.6	2236.4
67.5°	166.0	169.0	183.0	256.8	450.8	522.1	1625.1	2760.0	2750.0	2548.1	2221.4
70°	147.1	148.1	162.1	182.0	324.6	304.2	820.3	2376.0	2362.1	2476.7	2128.2
72.5°	115.2	118.7	141.6	165.1	234.4	222.9	309.2	1682.9	1700.9	2105.3	1872.9
75°	81.8	84.3	107.2	144.1	175.0	170.5	174.5	867.6	920.5	1397.7	1372.3
77.5°	51.4	53.4	69.3	106.7	148.6	125.7	122.2	340.6	381.5	683.6	686.6
80°	35.4	35.9	42.9	71.8	106.7	103.2	82.8	136.1	137.6	247.8	237.9
82.5°	20.9	20.9	28.4	44.4	65.3	84.3	53.4	68.3	70.8	91.7	52.4
85°	7.5	8.0	15.5	25.4	36.4	44.4	31.9	37.4	38.9	47.4	24.9
87.5°	0.5	1.0	5.0	8.0	10.0	9.0	10.5	11.5	13.0	15.5	9.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5
5°	1.0	1.0	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5
7.5°	1.0	1.0	1.5	1.5	1.5	1.0	14.0	77.8	81.3	83.8	84.3
10°	3.0	2.0	1.5	1.5	1.5	80.8	83.8	81.8	80.3	78.8	79.3
12.5°	76.3	76.3	69.3	44.9	75.3	82.8	78.3	73.3	69.3	64.8	65.3
15°	146.6	145.6	128.6	110.7	126.7	81.3	67.3	89.3	76.3	67.3	65.8
17.5°	163.1	158.1	138.1	176.5	157.1	92.7	77.8	52.9	37.9	34.4	33.9
20°	234.9	228.4	201.5	213.9	143.6	107.2	46.9	29.9	26.9	32.4	33.4
22.5°	302.2	293.2	251.8	221.4	161.6	65.8	32.9	32.9	32.4	31.4	30.9
25°	388.4	372.5	337.6	231.9	128.2	43.4	35.9	29.4	26.4	24.4	24.4
27.5°	477.2	455.8	386.9	246.8	84.3	40.4	31.9	24.9	26.4	25.4	25.4
30°	606.8	577.4	450.8	230.9	54.9	37.4	26.9	24.4	21.4	20.4	19.9
32.5°	741.0	687.1	513.6	201.0	43.4	31.9	24.9	19.9	19.4	19.9	19.9
35°	826.7	776.4	581.4	146.1	37.9	27.9	20.4	18.4	17.0	16.5	16.5
37.5°	929.5	867.1	587.4	94.7	32.9	22.9	17.5	15.5	15.5	16.0	16.0
40°	1052.6	984.3	563.5	58.3	28.4	18.9	15.0	14.0	13.5	13.5	13.5
42.5°	1190.8	1104.5	530.1	43.9	23.9	16.0	12.5	12.0	11.5	11.5	11.5
45°	1338.4	1225.7	484.2	36.4	19.9	13.5	10.5	10.0	10.0	9.5	9.5
47.5°	1491.4	1355.3	414.9	31.9	16.5	11.0	9.0	8.5	8.0	8.0	8.0
50°	1622.6	1474.0	330.1	27.4	14.0	9.5	7.0	6.5	6.5	6.0	6.0
52.5°	1741.8	1574.7	261.8	23.4	11.5	7.5	5.5	5.0	5.0	4.5	4.5
55°	1833.5	1649.5	195.5	19.4	9.5	6.0	4.0	3.5	3.5	3.0	3.5
57.5°	1910.8	1695.4	148.1	16.0	8.0	4.5	3.0	2.5	2.0	2.0	2.0
60°	1984.1	1732.3	109.2	12.5	6.5	3.5	2.0	1.5	1.0	1.0	1.0
62.5°	2062.9	1765.2	86.3	10.0	5.5	2.5	1.0	1.0	0.0	0.0	0.0
65°	2122.2	1785.6	66.8	8.0	4.5	1.5	1.0	0.5	0.0	0.0	0.0
67.5°	2124.2	1759.7	52.4	6.5	4.0	1.5	0.5	0.0	0.0	0.0	0.0
70°	2047.9	1649.5	38.9	6.0	3.5	1.5	1.0	0.5	0.0	0.0	0.0
72.5°	1774.7	1295.0	27.9	5.0	3.0	1.5	1.0	0.5	0.5	0.0	0.0
75°	1283.5	765.4	19.4	4.5	3.0	1.5	1.5	1.0	1.0	1.0	0.0
77.5°	658.2	318.1	13.0	4.0	2.5	1.0	2.0	1.5	1.5	1.5	0.5
80°	193.0	109.7	8.0	3.5	2.5	1.0	2.0	2.0	2.0	2.0	0.5
82.5°	36.9	21.4	5.0	3.5	2.5	1.0	2.0	2.0	2.0	2.5	0.0
85°	14.5	8.5	3.5	3.0	2.5	1.0	2.0	2.0	2.5	2.5	0.0
87.5°	5.0	4.0	3.0	2.5	2.5	1.0	2.0	2.0	2.0	2.5	0.5
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)