

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: P416557

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416557
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-PA1-70-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 4915 lumens
Efficiency: N/A
Efficacy: 66.4 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

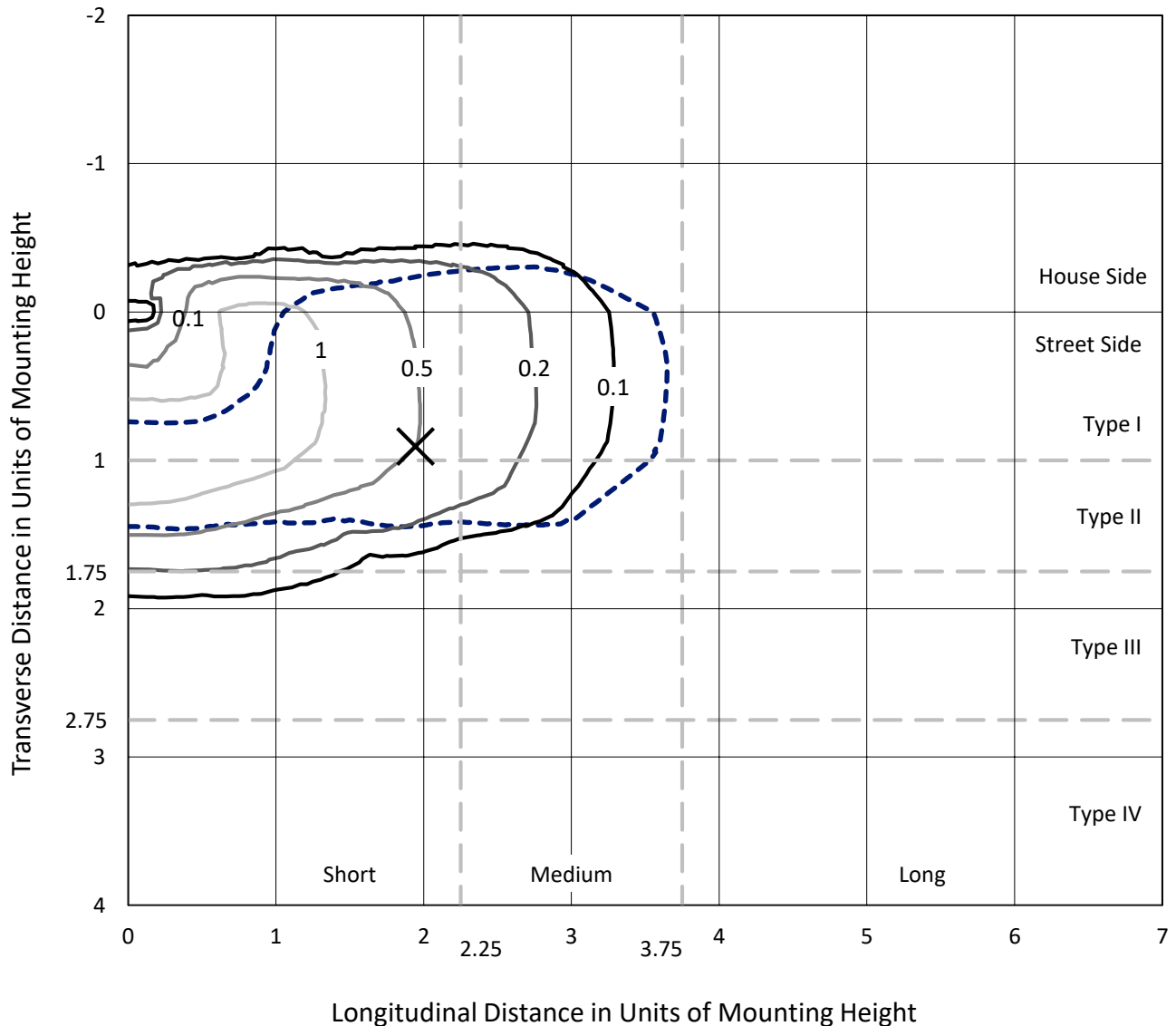
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

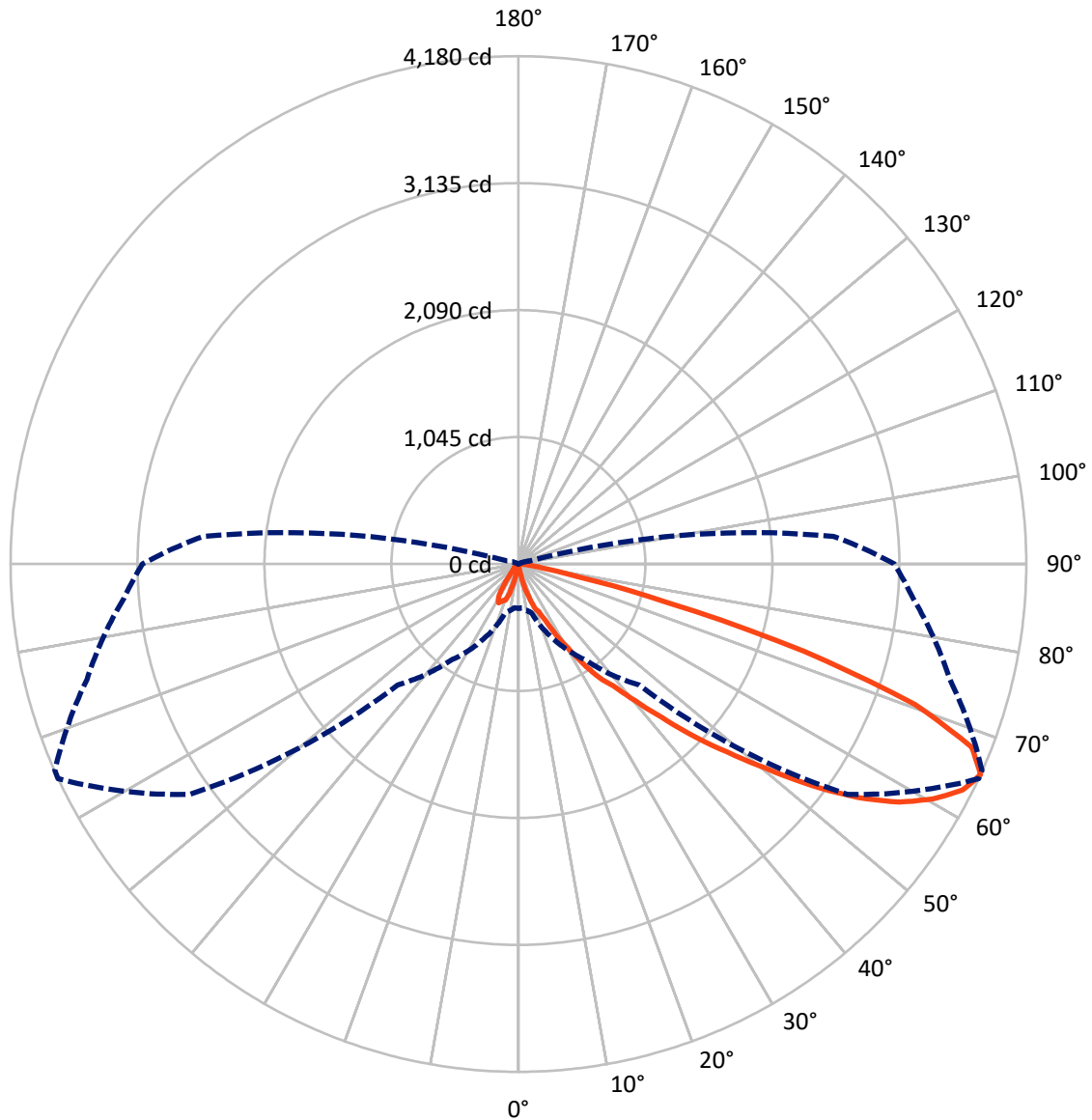
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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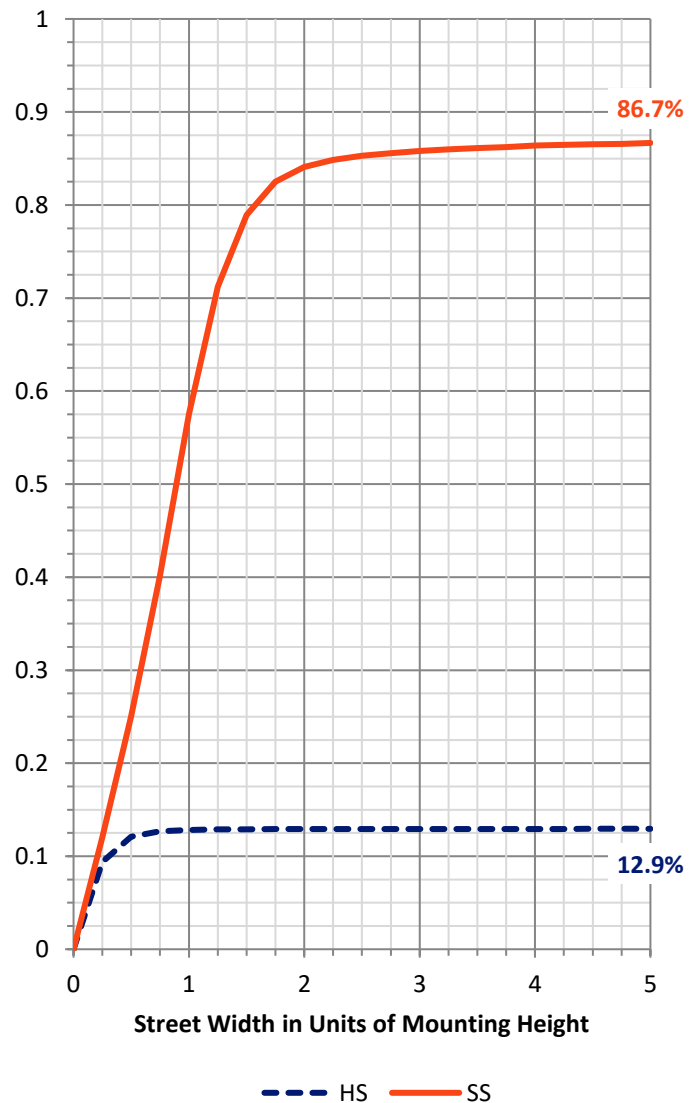
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	644.9	0.0	644.9
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4270.1	0.0	4270.1
	% Fixture	86.9	0.0	86.9
Total	Lumens	4915.0	0.0	4915.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	51.1	1.0
20°-30°	173.4	3.5
30°-40°	487.7	9.9
40°-50°	1082.0	22.0
50°-60°	1450.9	29.5
60°-70°	1155.9	23.5
70°-80°	476.2	9.7
80°-90°	34.1	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°	4915.0	100.0
0°-180°	4915.0	100.0



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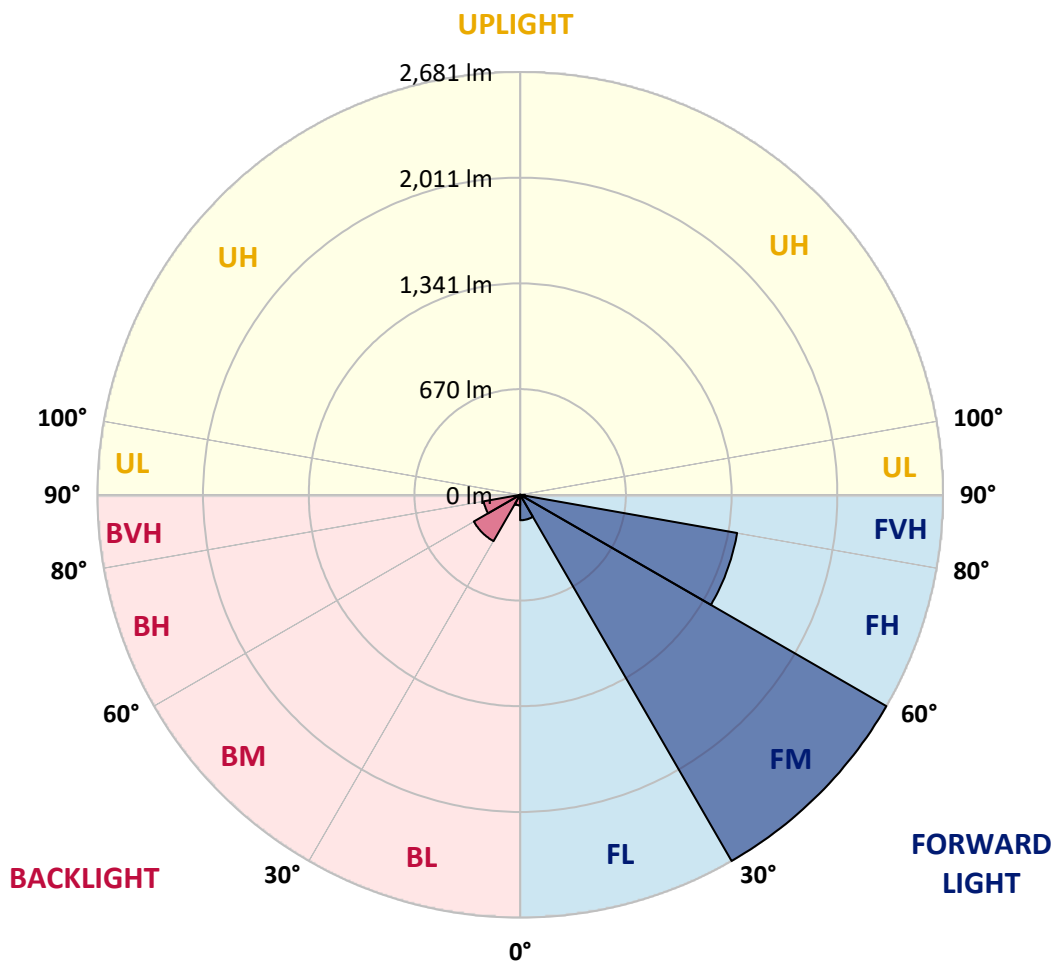
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.2	3.3			
FM (30°-60°)	2681.4	54.6			
FH (60°-80°)	1397.1	28.4			G1/1800
FVH (80°-90°)	30.3	0.6			G1/100
BL (0°-30°)	67.1	1.4	B0/110		
BM (30°-60°)	339.1	6.9	B1/1000		
BH (60°-80°)	234.9	4.8	B1/500		G1/500
BVH (80°-90°)	3.8	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.7	0.7	0.7	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5
5°	21.1	19.6	14.5	8.0	4.4	2.9	2.2	1.5	1.5	1.5	1.5
7.5°	146.9	146.1	146.1	147.6	148.3	53.1	5.1	2.2	2.2	1.5	1.5
10°	141.0	140.3	140.3	142.5	144.7	145.4	139.6	3.6	2.9	1.5	1.5
12.5°	263.2	258.8	165.0	144.7	141.0	142.5	143.2	123.6	57.4	88.7	109.8
15°	263.9	261.7	263.9	267.5	213.7	149.0	217.4	212.3	212.3	156.3	214.5
17.5°	266.8	263.9	265.4	270.5	262.5	308.3	290.8	301.0	301.0	222.5	237.0
20°	394.1	393.3	399.1	292.3	326.4	382.4	317.0	389.0	396.2	330.8	342.4
22.5°	402.0	401.3	410.8	409.3	400.6	410.8	463.8	426.0	428.2	500.2	452.2
25°	559.8	546.7	443.5	435.5	526.4	487.8	556.2	513.3	508.9	604.9	573.6
27.5°	640.5	634.7	641.2	621.6	557.6	598.3	602.0	660.9	631.1	692.9	706.7
30°	778.6	782.3	749.6	716.9	730.7	694.3	724.1	803.4	799.7	785.2	891.3
32.5°	1243.2	1205.4	1141.4	888.4	832.5	806.3	889.2	978.6	942.2	996.0	1102.2
35°	1645.3	1560.9	1454.8	1274.5	1033.8	964.0	1065.1	1153.1	1130.5	1238.9	1232.3
37.5°	2315.6	2276.3	2092.4	1632.2	1392.3	1202.5	1251.2	1272.3	1298.5	1422.1	1419.2
40°	2711.8	2666.7	2536.6	2172.4	1757.2	1491.9	1470.8	1481.7	1490.4	1614.7	1623.5
42.5°	3044.8	3024.4	2897.9	2549.0	2209.4	1960.8	1763.8	1720.9	1736.9	1862.7	1845.9
45°	3270.9	3246.9	3132.8	2889.2	2607.9	2479.9	2104.0	2020.4	2024.8	2094.6	2081.5
47.5°	3320.3	3292.0	3241.1	3105.9	3010.6	2906.7	2530.1	2309.8	2359.2	2362.8	2318.5
50°	3144.4	3109.5	3152.4	3120.4	3265.8	3318.2	2961.2	2647.1	2732.2	2654.4	2531.5
52.5°	2708.9	2719.8	2852.1	2948.8	3275.3	3606.1	3424.3	3033.9	3091.3	2895.0	2732.9
55°	2151.3	2178.2	2397.0	2574.4	3052.8	3686.8	3759.5	3392.3	3414.9	3151.0	2895.8
57.5°	1584.2	1620.6	1889.6	2087.3	2621.7	3513.0	3923.8	3697.0	3741.3	3335.6	3009.2
60°	974.9	1008.4	1313.0	1614.0	2012.4	3013.5	3945.6	3925.2	3976.1	3465.8	3123.3
62.5°	594.0	622.3	755.4	1121.1	1446.1	2277.8	3763.8	4100.5	4125.9	3597.3	3205.5
65°	365.7	360.6	414.4	681.2	964.8	1408.3	3304.4	4179.7	4176.8	3676.6	3260.7
67.5°	242.1	246.5	266.8	374.4	657.2	761.2	2369.4	4024.1	4009.6	3715.1	3238.9
70°	214.5	215.9	236.3	265.4	473.3	443.5	1196.0	3464.3	3443.9	3611.2	3103.0
72.5°	167.9	173.0	206.5	240.6	341.7	325.0	450.8	2453.7	2479.9	3069.5	2730.7
75°	119.2	122.9	156.3	210.1	255.2	248.6	254.5	1265.0	1342.1	2037.9	2000.8
77.5°	74.9	77.8	101.1	155.6	216.7	183.2	178.1	496.6	556.2	996.8	1001.1
80°	51.6	52.3	62.5	104.7	155.6	150.5	120.7	198.5	200.7	361.3	346.8
82.5°	30.5	30.5	41.4	64.7	95.2	122.9	77.8	99.6	103.2	133.8	76.3
85°	10.9	11.6	22.5	37.1	53.1	64.7	46.5	54.5	56.7	69.1	36.4
87.5°	0.7	1.5	7.3	11.6	14.5	13.1	15.3	16.7	18.9	22.5	13.1
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7
5°	1.5	1.5	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7
7.5°	1.5	1.5	2.2	2.2	2.2	1.5	20.4	113.4	118.5	122.1	122.9
10°	4.4	2.9	2.2	2.2	2.2	117.8	122.1	119.2	117.1	114.9	115.6
12.5°	111.2	111.2	101.1	65.4	109.8	120.7	114.1	106.9	101.1	94.5	95.2
15°	213.7	212.3	187.6	161.4	184.7	118.5	98.1	130.1	111.2	98.1	96.0
17.5°	237.7	230.5	201.4	257.4	229.0	135.2	113.4	77.1	55.3	50.2	49.4
20°	342.4	333.0	293.7	311.9	209.4	156.3	68.3	43.6	39.3	47.3	48.7
22.5°	440.6	427.5	367.2	322.8	235.6	96.0	48.0	48.0	47.3	45.8	45.1
25°	566.4	543.1	492.2	338.1	186.8	63.3	52.3	42.9	38.5	35.6	35.6
27.5°	695.8	664.5	564.2	359.9	122.9	58.9	46.5	36.4	38.5	37.1	37.1
30°	884.8	841.9	657.2	336.6	80.0	54.5	39.3	35.6	31.3	29.8	29.1
32.5°	1080.4	1001.8	748.8	293.0	63.3	46.5	36.4	29.1	28.4	29.1	29.1
35°	1205.4	1132.0	847.7	213.0	55.3	40.7	29.8	26.9	24.7	24.0	24.0
37.5°	1355.2	1264.3	856.4	138.1	48.0	33.4	25.4	22.5	22.5	23.3	23.3
40°	1534.8	1435.2	821.5	85.1	41.4	27.6	21.8	20.4	19.6	19.6	19.6
42.5°	1736.1	1610.4	772.8	64.0	34.9	23.3	18.2	17.4	16.7	16.7	16.7
45°	1951.4	1787.0	705.9	53.1	29.1	19.6	15.3	14.5	14.5	13.8	13.8
47.5°	2174.5	1976.1	604.9	46.5	24.0	16.0	13.1	12.4	11.6	11.6	11.6
50°	2365.8	2149.1	481.3	40.0	20.4	13.8	10.2	9.5	9.5	8.7	8.7
52.5°	2539.5	2296.0	381.7	34.2	16.7	10.9	8.0	7.3	7.3	6.5	6.5
55°	2673.3	2405.0	285.0	28.4	13.8	8.7	5.8	5.1	5.1	4.4	5.1
57.5°	2786.0	2471.9	215.9	23.3	11.6	6.5	4.4	3.6	2.9	2.9	2.9
60°	2892.9	2525.7	159.2	18.2	9.5	5.1	2.9	2.2	1.5	1.5	1.5
62.5°	3007.7	2573.7	125.8	14.5	8.0	3.6	1.5	1.5	0.0	0.0	0.0
65°	3094.2	2603.5	97.4	11.6	6.5	2.2	1.5	0.7	0.0	0.0	0.0
67.5°	3097.2	2565.7	76.3	9.5	5.8	2.2	0.7	0.0	0.0	0.0	0.0
70°	2985.9	2405.0	56.7	8.7	5.1	2.2	1.5	0.7	0.0	0.0	0.0
72.5°	2587.5	1888.1	40.7	7.3	4.4	2.2	1.5	0.7	0.7	0.0	0.0
75°	1871.4	1116.0	28.4	6.5	4.4	2.2	2.2	1.5	1.5	1.5	0.0
77.5°	959.7	463.8	18.9	5.8	3.6	1.5	2.9	2.2	2.2	2.2	0.7
80°	281.4	159.9	11.6	5.1	3.6	1.5	2.9	2.9	2.9	2.9	0.7
82.5°	53.8	31.3	7.3	5.1	3.6	1.5	2.9	2.9	2.9	3.6	0.0
85°	21.1	12.4	5.1	4.4	3.6	1.5	2.9	2.9	3.6	3.6	0.0
87.5°	7.3	5.8	4.4	3.6	3.6	1.5	2.9	2.9	2.9	3.6	0.7
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)