

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: P416906

Luminaire Tested: **LXF.LXT-PA1-80-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6761 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

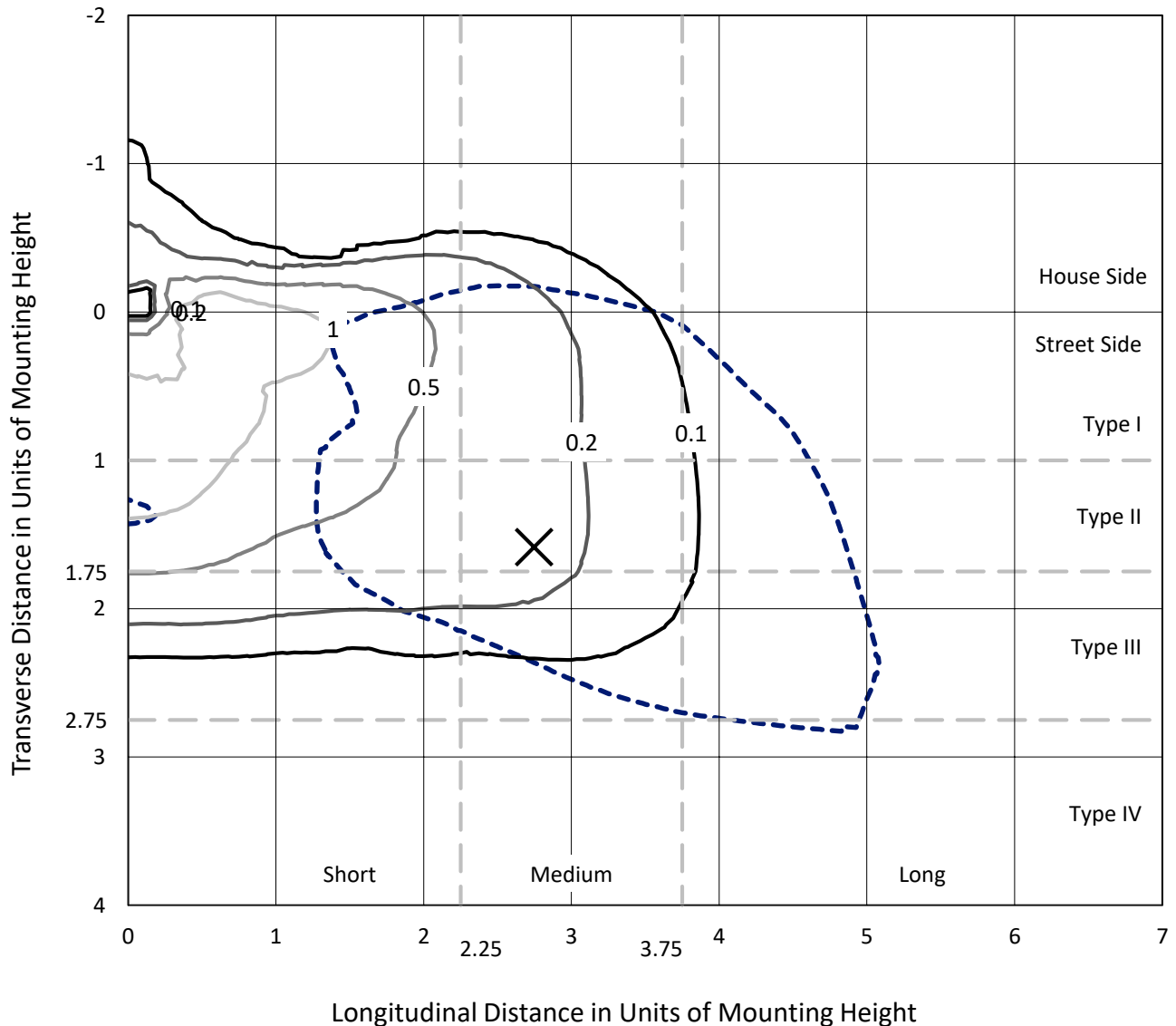
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

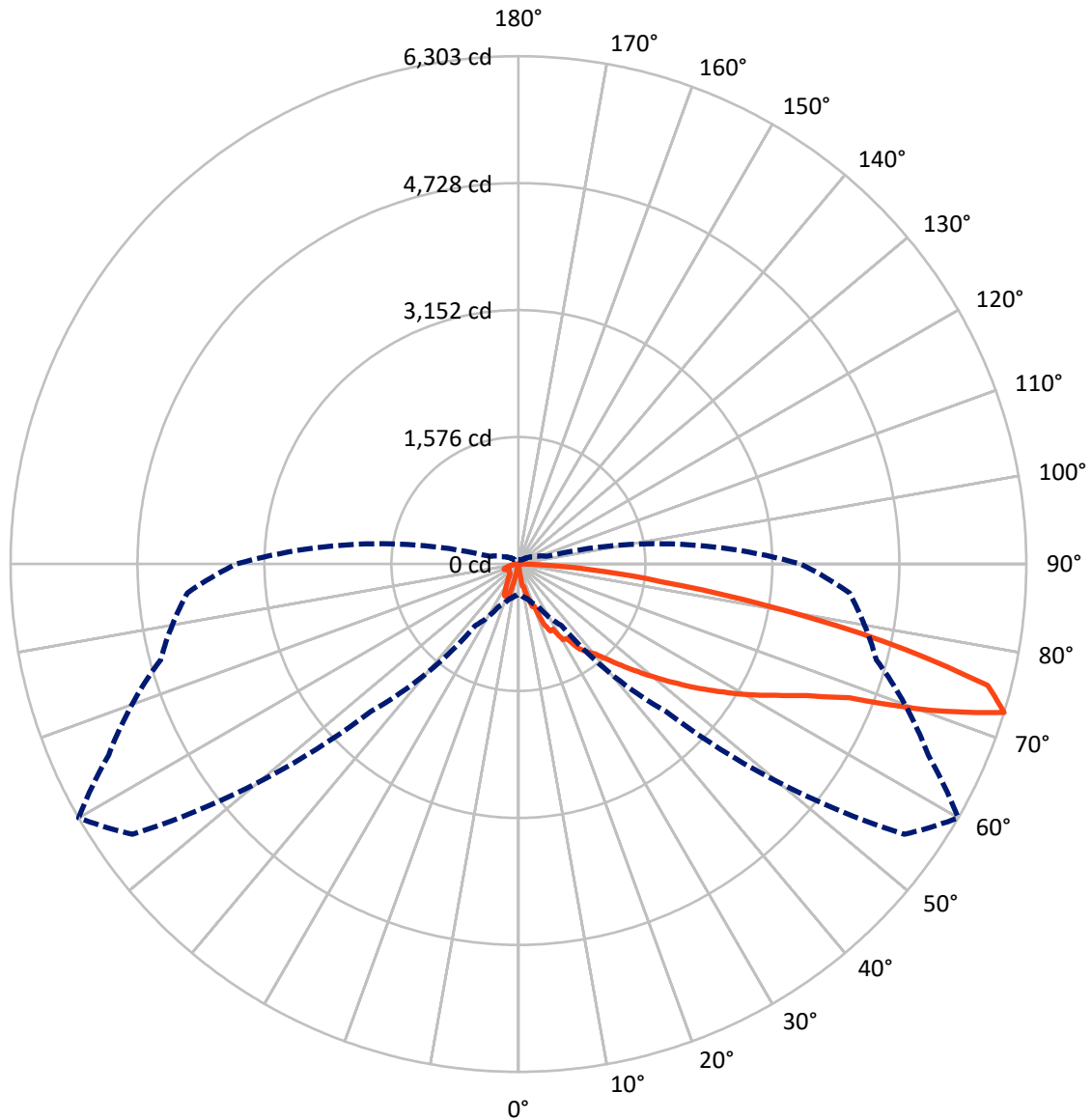
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.7	0.0	973.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5787.3	0.0	5787.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	6761.0	0.0	6761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	98.6	1.5
20°-30°	296.8	4.4
30°-40°	587.1	8.7
40°-50°	972.4	14.4
50°-60°	1452.7	21.5
60°-70°	1728.1	25.6
70°-80°	1383.4	20.5
80°-90°	234.8	3.5
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°	6761.0	100.0
0°-180°	6761.0	100.0

Coefficient of Utilization



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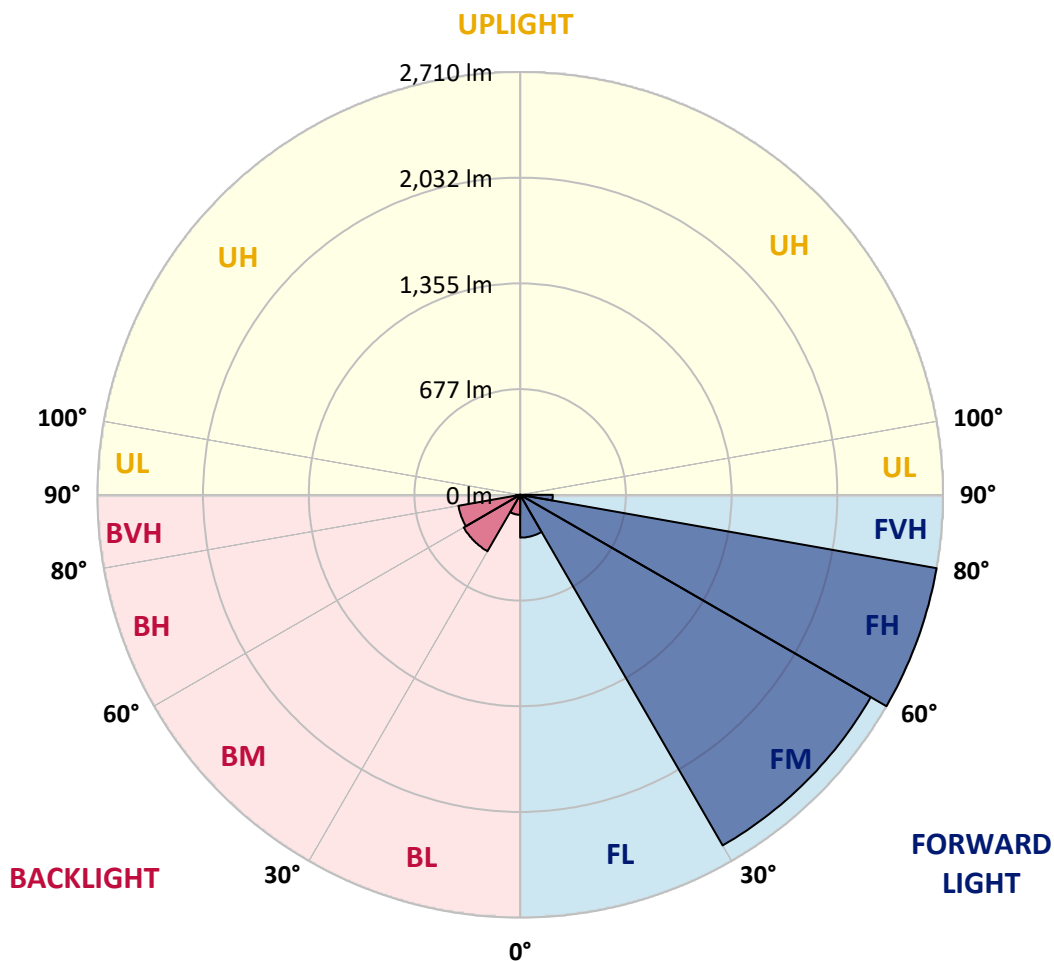
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.4	4.1			
FM	(30°-60°)	2594.4	38.4			
FH	(60°-80°)	2709.6	40.1			G2/5000
FVH	(80°-90°)	208.9	3.1			G2/225
BL	(0°-30°)	128.1	1.9	B1/500		
BM	(30°-60°)	417.8	6.2	B1/1000		
BH	(60°-80°)	401.9	5.9	B1/500		G1/500
BVH	(80°-90°)	25.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.7	3.7	4.4	5.2	5.2	4.4	3.7	3.7	3.7	2.9	3.7
5°	252.6	127.4	85.4	40.5	30.2	14.7	5.9	4.4	4.4	3.7	3.7
7.5°	290.2	290.2	290.9	293.9	296.1	297.6	36.8	19.2	7.4	3.7	3.7
10°	279.9	277.7	279.2	282.1	285.0	289.5	294.6	279.9	33.1	5.9	4.4
12.5°	517.1	515.6	497.9	303.5	281.4	281.4	288.7	289.5	227.6	22.1	21.4
15°	498.6	497.9	500.1	505.3	513.4	290.9	295.4	430.1	560.5	394.8	458.9
17.5°	512.6	506.7	493.5	490.5	497.9	467.7	550.2	556.8	569.4	453.7	464.8
20°	703.4	701.2	701.2	590.7	486.9	680.6	646.0	557.6	572.3	656.3	822.0
22.5°	701.2	697.5	692.4	691.6	793.3	662.2	672.5	806.5	838.9	961.9	928.8
25°	953.1	943.5	799.2	696.8	788.1	741.7	898.6	922.2	852.9	998.0	950.2
27.5°	1034.9	1016.4	970.8	889.8	794.0	901.5	897.1	916.3	940.6	1364.1	1305.9
30°	1405.3	1318.4	1073.9	1033.4	949.4	912.6	1022.3	1089.4	1188.1	1336.1	1360.4
32.5°	1572.5	1540.9	1421.5	1272.0	1109.2	985.5	1118.1	1101.1	1196.9	1624.1	1744.2
35°	1933.5	1894.4	1567.4	1432.6	1289.7	1207.9	1149.8	1286.0	1403.9	1688.9	1777.3
37.5°	2004.2	1995.3	1919.5	1677.9	1486.4	1328.0	1345.7	1382.5	1459.1	1779.5	1870.8
40°	2059.4	2060.1	2082.2	1873.8	1667.6	1521.0	1468.0	1468.7	1534.2	1928.3	1990.9
42.5°	2205.2	2211.1	2270.8	2048.4	1887.1	1746.4	1654.3	1613.8	1663.9	2099.2	2138.2
45°	2468.2	2454.9	2505.8	2228.1	2052.0	1931.2	1857.6	1795.7	1822.2	2281.1	2326.0
47.5°	2798.9	2770.9	2754.0	2452.0	2231.8	2127.9	2059.4	1994.6	2002.7	2454.9	2541.1
50°	3054.5	3040.5	2952.8	2621.4	2386.4	2326.0	2297.3	2217.0	2182.4	2648.6	2787.1
52.5°	3163.5	3150.2	3042.0	2749.6	2508.7	2515.3	2565.4	2460.8	2363.6	2858.6	3021.3
55°	3144.3	3133.3	3061.9	2812.9	2597.1	2698.0	2829.1	2724.5	2598.6	3056.7	3260.0
57.5°	3002.9	3008.1	3007.3	2817.3	2664.9	2869.6	3086.9	2997.0	2847.5	3253.4	3453.7
60°	2690.6	2717.9	2819.5	2785.6	2751.0	3031.7	3337.3	3295.3	3137.0	3469.2	3632.7
62.5°	2155.2	2208.9	2431.4	2612.6	2820.3	3258.5	3581.9	3587.0	3436.8	3636.4	3771.2
65°	1454.0	1449.5	1781.0	2230.3	2738.5	3615.0	3947.2	3936.9	3714.4	3827.1	3975.2
67.5°	808.0	825.7	1043.0	1476.1	2424.0	3836.0	4648.4	4427.4	4097.4	4118.1	4261.7
70°	500.1	521.5	594.4	824.9	1551.9	3578.2	5549.2	5446.1	4805.3	4504.0	4377.3
72.5°	380.1	391.8	450.8	584.8	933.9	2588.2	5848.2	6303.4	5612.5	4599.0	4125.4
75°	226.9	240.9	321.1	505.3	778.5	1339.8	5070.4	6014.7	5868.9	4538.6	3600.3
77.5°	141.4	145.1	173.1	352.8	717.4	843.4	3473.6	4658.7	4783.2	3844.1	2544.1
80°	108.3	109.0	119.3	187.8	579.7	798.4	2011.5	3111.2	3049.3	2052.8	999.5
82.5°	68.5	72.9	92.8	114.9	275.5	778.5	1188.8	1771.4	1559.3	555.4	278.4
85°	34.6	39.0	65.6	78.8	133.3	843.4	843.4	908.2	638.6	186.3	105.3
87.5°	5.9	5.9	8.8	20.6	26.5	142.9	235.7	205.5	135.5	25.0	20.6
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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.7	3.7	3.7	2.9	2.2	1.5	0.7	0.7	0.7	1.5	1.5
5°	3.7	3.7	3.7	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2
7.5°	3.7	3.7	3.7	2.9	2.2	2.2	1.5	2.9	6.6	86.2	58.2
10°	4.4	4.4	4.4	3.7	2.9	8.1	251.9	265.9	266.6	265.2	262.2
12.5°	23.6	25.8	19.2	6.6	27.3	252.6	242.3	230.5	226.1	221.0	221.0
15°	465.5	459.6	433.8	319.7	195.9	225.4	202.6	187.1	290.2	286.5	289.5
17.5°	467.0	456.7	419.8	457.4	424.3	202.6	229.8	249.7	235.7	230.5	232.8
20°	886.1	838.2	425.7	426.5	363.9	359.4	195.2	184.1	186.3	190.8	192.2
22.5°	902.3	847.0	653.3	552.4	312.3	288.0	199.6	159.8	236.4	262.9	265.9
25°	909.6	840.4	617.2	489.1	352.8	215.8	193.0	175.3	215.8	242.3	243.8
27.5°	1286.0	1165.2	843.4	415.4	272.5	189.3	180.5	165.0	193.7	240.1	240.9
30°	1275.0	1132.8	781.5	402.2	210.7	174.6	156.1	172.4	182.7	195.2	195.2
32.5°	1658.0	1454.0	866.9	324.1	176.8	145.1	147.3	156.9	157.6	186.3	188.6
35°	1658.7	1422.3	746.9	296.1	151.7	132.6	134.8	145.1	160.6	179.0	181.9
37.5°	1684.5	1408.3	643.7	230.5	151.7	132.6	128.2	138.5	149.5	175.3	178.2
40°	1739.0	1414.2	545.8	191.5	146.6	130.4	126.7	134.8	148.0	162.8	164.3
42.5°	1831.8	1447.3	453.0	173.1	142.9	130.4	121.5	127.4	134.8	165.0	167.9
45°	1979.1	1518.0	381.5	165.7	141.4	125.2	115.6	117.1	122.3	195.2	203.3
47.5°	2151.5	1616.0	319.7	162.0	139.2	120.1	106.8	108.3	120.1	221.7	232.8
50°	2350.3	1761.1	282.8	161.3	137.0	112.7	100.2	108.3	132.6	221.0	226.1
52.5°	2583.8	1908.4	262.9	164.3	135.5	106.1	103.9	121.5	126.0	177.5	177.5
55°	2793.7	2071.9	264.4	166.5	131.1	106.1	106.8	103.1	99.4	122.3	123.0
57.5°	3000.0	2234.7	288.7	162.0	124.5	106.8	92.1	84.7	86.2	103.9	106.1
60°	3179.0	2391.6	361.6	152.5	118.6	96.5	85.4	79.5	81.0	104.6	106.8
62.5°	3371.9	2583.1	500.9	156.1	117.8	91.3	79.5	72.9	75.9	86.9	88.4
65°	3632.7	2850.5	626.1	184.1	122.3	88.4	72.9	69.2	70.0	70.7	70.7
67.5°	3888.3	3015.4	604.0	217.3	137.0	86.9	69.2	64.8	64.1	64.1	64.1
70°	3863.2	2836.5	478.8	230.5	148.8	86.9	66.3	60.4	58.9	58.9	58.9
72.5°	3501.6	2426.2	367.5	213.6	137.0	83.2	61.9	55.2	53.0	53.0	53.0
75°	2979.4	1946.0	308.6	185.6	112.0	71.4	54.5	49.3	47.9	47.9	47.1
77.5°	1903.3	1150.5	262.2	151.0	86.2	58.2	47.1	42.7	42.7	42.7	40.5
80°	763.8	506.0	204.0	119.3	67.0	46.4	39.0	36.8	36.1	35.4	33.1
82.5°	290.2	249.7	132.6	86.9	51.6	35.4	31.7	29.5	29.5	28.7	25.0
85°	103.9	97.2	61.1	50.1	31.7	22.1	24.3	22.1	21.4	19.2	16.2
87.5°	22.1	24.3	16.9	11.0	11.0	6.6	8.1	8.8	8.8	8.1	4.4
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)