

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: P415352

Luminaire Tested: **LXF.LXT-PA1-50-722-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-722-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3768 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G1

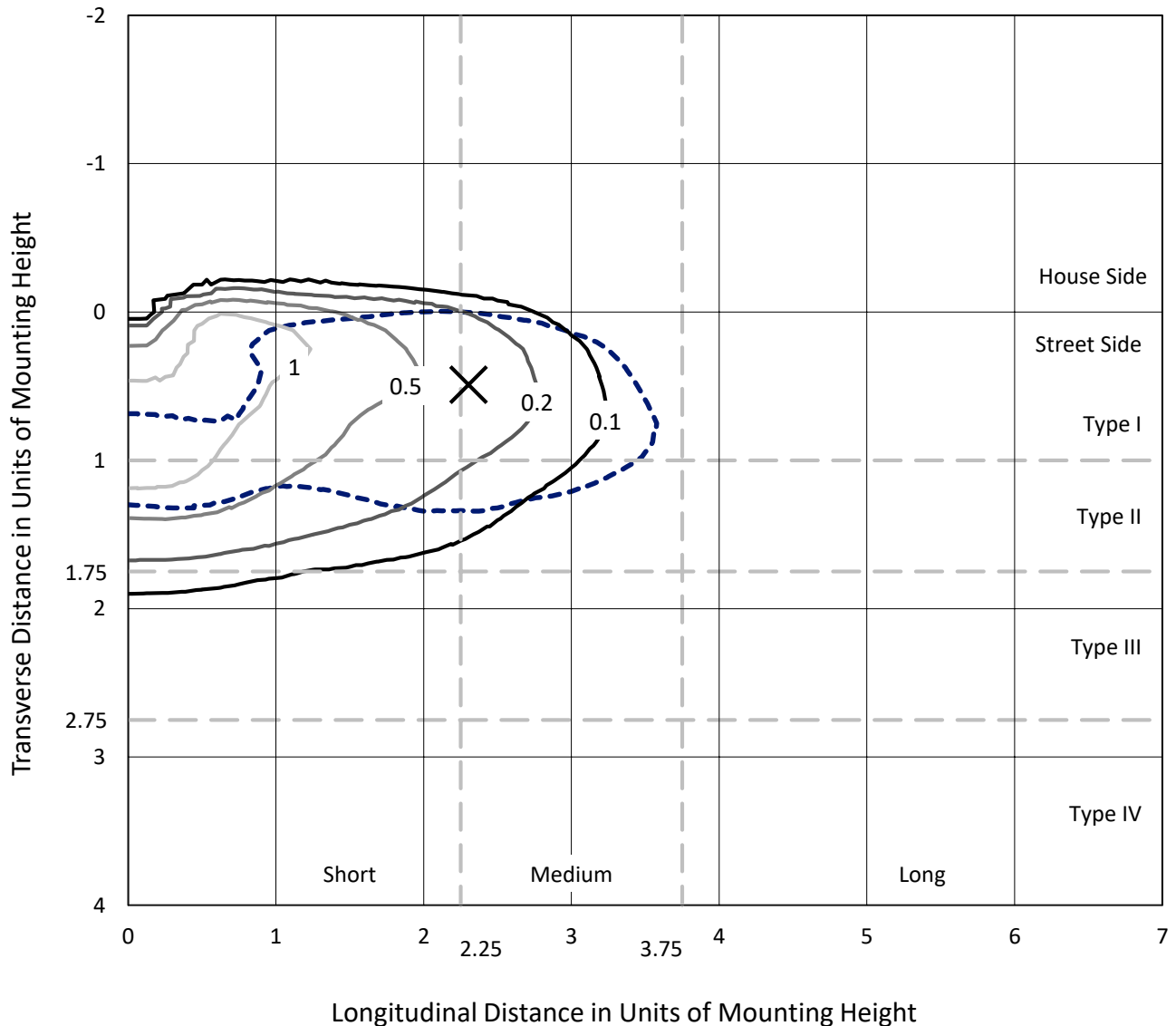
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

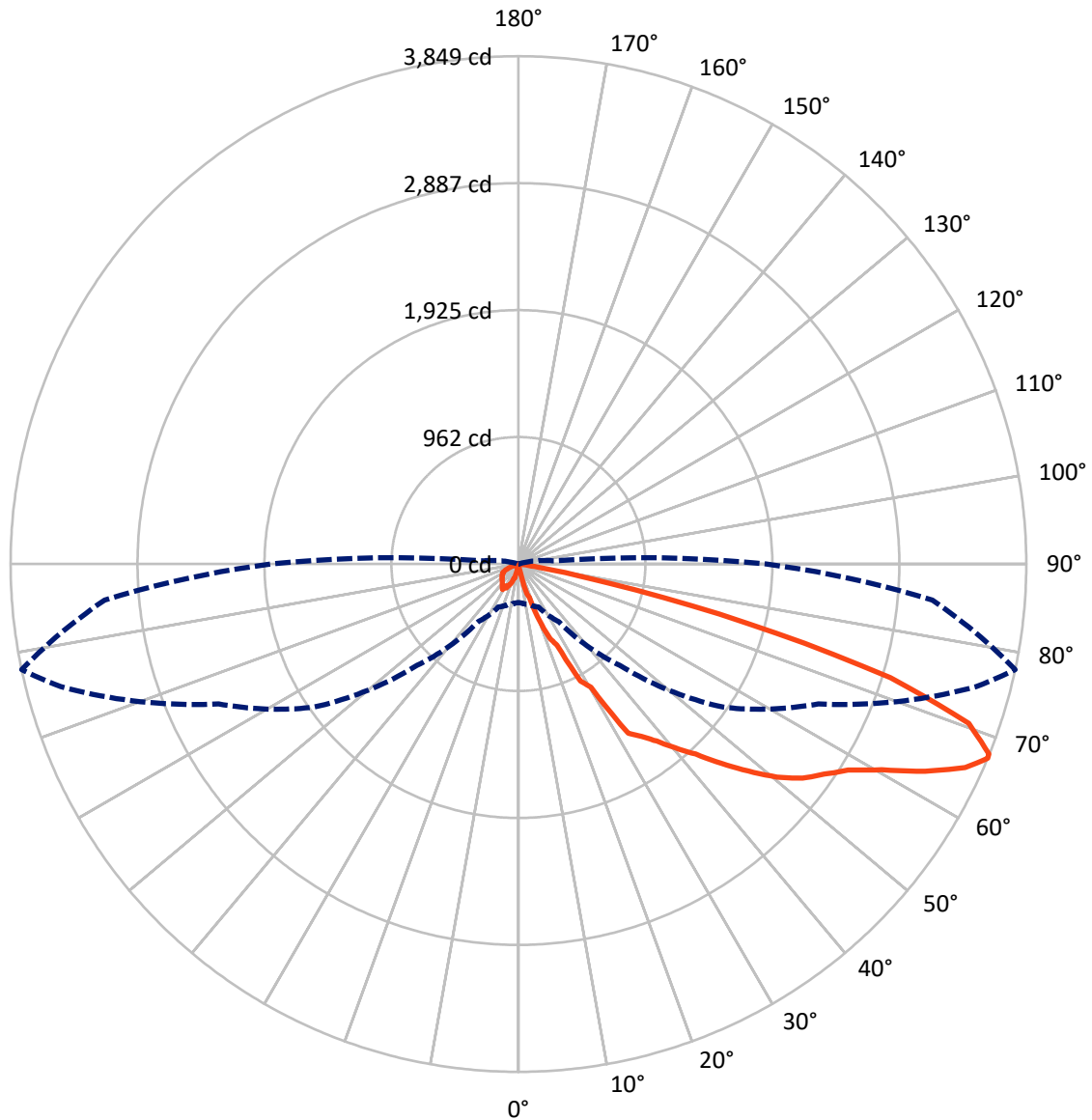
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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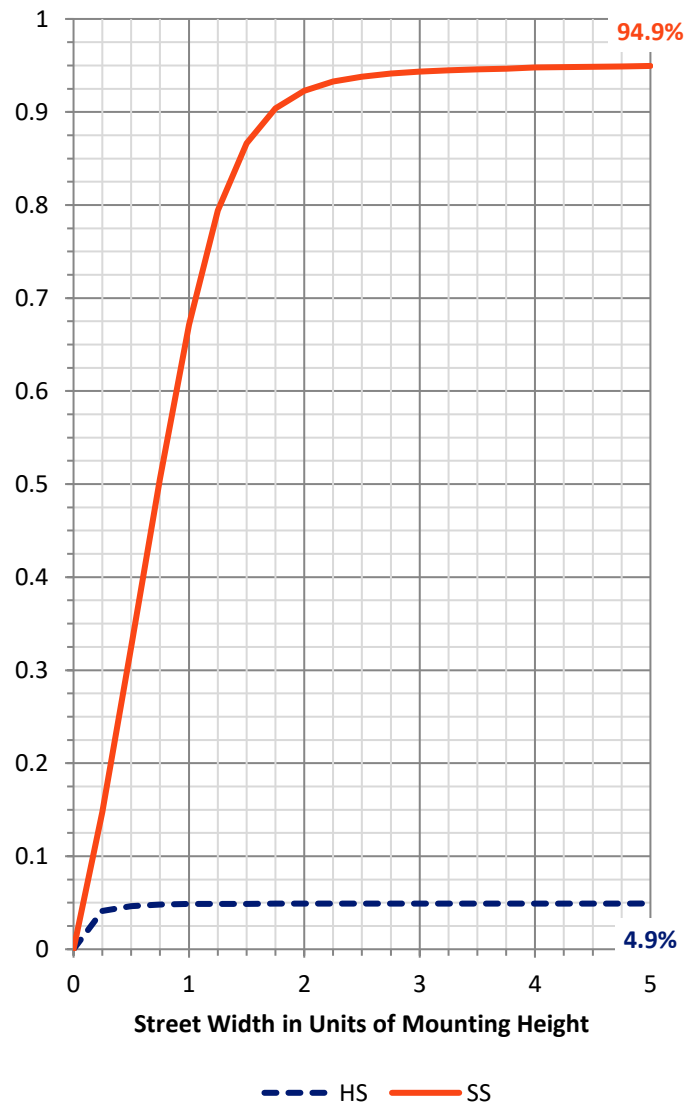
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	186.6	0.0	186.6
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	3581.4	0.0	3581.4
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	3768.0	0.0	3768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	51.3	1.4
20°-30°	204.6	5.4
30°-40°	520.5	13.8
40°-50°	852.1	22.6
50°-60°	960.9	25.5
60°-70°	828.6	22.0
70°-80°	333.3	8.8
80°-90°	13.1	0.3
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°	3768.0	100.0
0°-180°	3768.0	100.0

**Coefficient of Utilization**



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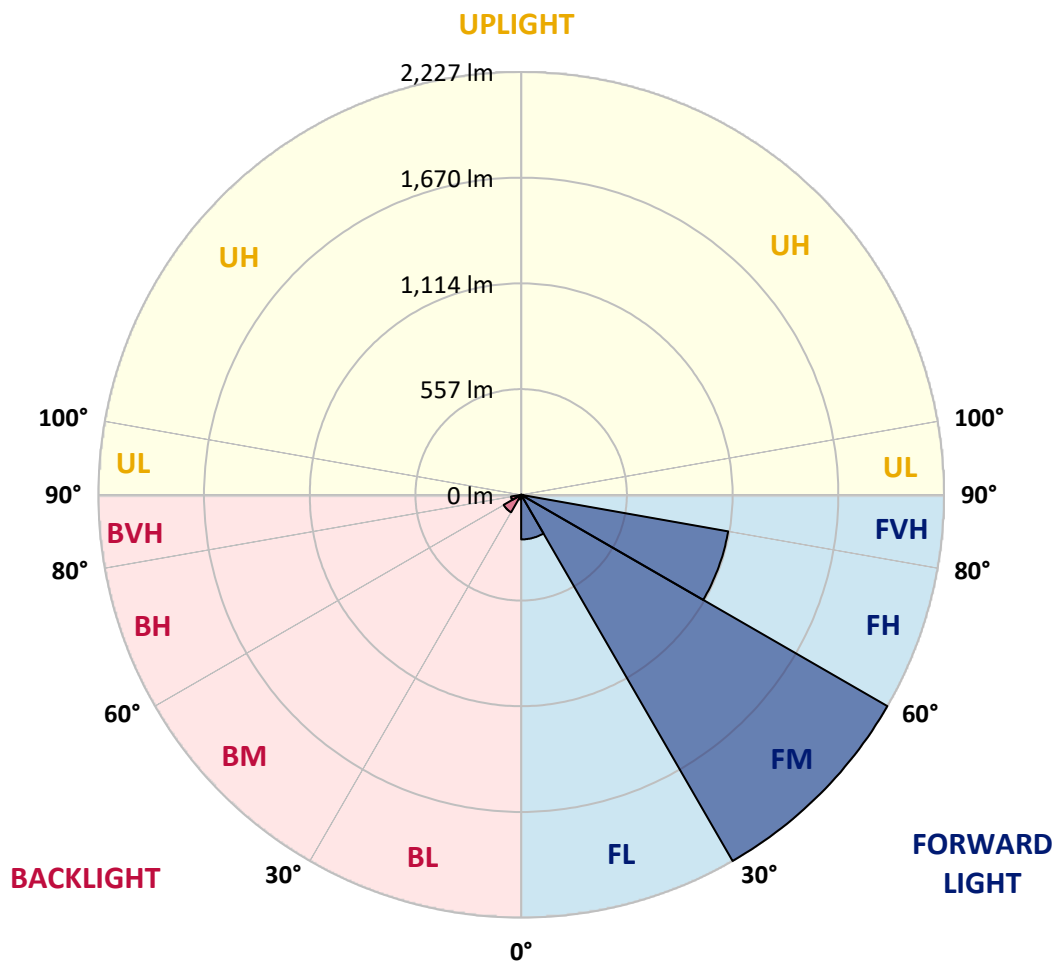
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.0	6.2			
FM	(30°-60°)	2227.3	59.1			
FH	(60°-80°)	1107.4	29.4			G1/1800
FVH	(80°-90°)	11.7	0.3			G1/100
BL	(0°-30°)	24.5	0.6	B0/110		
BM	(30°-60°)	106.2	2.8	B0/220		
BH	(60°-80°)	54.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	1.0	1.0	2.1	2.1	1.6	1.6	1.6	1.6	1.6
5°	157.8	123.5	87.7	25.4	9.9	4.7	2.1	1.6	1.6	1.6	1.0
7.5°	176.0	174.4	172.3	171.3	168.2	163.0	11.4	2.1	1.6	1.6	1.6
10°	188.4	185.3	184.8	184.3	182.2	178.0	170.3	9.9	1.6	1.6	1.6
12.5°	378.4	376.9	370.6	217.0	195.2	191.0	184.3	132.4	10.4	87.2	94.5
15°	373.7	372.7	376.9	385.2	392.9	209.7	299.5	377.9	232.0	222.2	231.5
17.5°	386.7	386.2	379.4	386.2	398.1	464.6	427.7	412.1	257.5	268.9	247.1
20°	579.3	578.3	584.0	549.2	413.2	578.8	537.2	446.4	505.6	464.6	466.7
22.5°	608.4	610.4	608.9	620.8	717.4	598.0	668.6	694.0	702.3	615.1	531.0
25°	892.8	879.8	852.8	659.2	773.4	741.8	849.2	750.1	755.3	680.5	680.5
27.5°	1000.3	1000.3	977.9	952.5	820.7	952.5	893.9	985.2	1074.5	1003.9	852.3
30°	1357.4	1347.0	1121.7	1089.5	1021.5	1008.1	1079.2	1156.5	1117.1	1083.8	958.7
32.5°	1613.8	1614.9	1557.8	1383.3	1214.6	1124.3	1249.9	1275.9	1489.2	1528.2	1299.8
35°	2059.2	2033.2	1754.0	1595.7	1429.5	1369.3	1363.1	1494.4	1616.9	1603.4	1408.8
37.5°	2342.1	2323.9	2189.0	1833.4	1620.6	1485.6	1566.6	1572.8	1771.1	1703.1	1539.1
40°	2471.9	2463.6	2349.4	2047.2	1788.2	1644.4	1670.4	1690.6	1925.8	1832.4	1648.6
42.5°	2576.7	2568.9	2465.1	2154.7	1949.1	1796.5	1787.2	1790.8	2050.9	1968.9	1759.2
45°	2627.1	2622.4	2577.7	2249.7	2019.2	1895.2	1914.4	1891.0	2159.9	2154.7	1881.7
47.5°	2578.3	2580.9	2593.3	2333.8	2070.6	1973.0	2037.9	2000.5	2289.7	2344.2	2019.7
50°	2406.5	2405.4	2476.5	2346.2	2100.2	2035.3	2146.9	2103.8	2443.8	2538.3	2144.3
52.5°	1877.5	1946.5	2204.0	2212.3	2093.4	2066.5	2228.9	2222.7	2589.2	2696.1	2268.9
55°	1412.9	1441.0	1685.5	1919.0	2006.2	2062.8	2258.0	2302.6	2696.6	2811.3	2366.5
57.5°	1110.3	1101.0	1234.9	1546.9	1786.2	2001.6	2251.2	2333.8	2801.5	2946.3	2495.2
60°	812.4	820.7	927.1	1121.7	1469.0	1862.5	2230.5	2384.1	2967.6	3164.3	2686.8
62.5°	589.2	589.2	662.3	781.2	1125.4	1639.3	2185.3	2454.7	3227.6	3460.2	2914.6
65°	396.6	394.0	448.5	509.2	770.8	1356.4	2063.9	2520.7	3476.8	3720.2	3110.3
67°	291.7	297.4	319.8	359.7	533.1	1086.4	1890.5	2507.7	3591.5	3849.0	3148.7
67.5°	273.0	275.6	306.3	341.6	491.6	1014.8	1841.2	2492.1	3604.0	3845.9	3129.0
70°	198.3	202.4	219.1	229.4	297.4	669.6	1469.5	2247.1	3422.3	3620.6	2845.1
72.5°	106.4	115.2	159.4	158.3	184.8	408.5	999.2	1667.8	2812.9	2947.3	2183.8
75°	83.1	84.1	95.0	117.3	119.4	227.4	480.7	969.1	1779.4	1789.3	1212.6
77.5°	60.7	63.3	70.1	74.2	77.9	129.3	168.2	385.2	788.0	688.3	454.2
80°	41.0	42.6	46.2	55.0	63.8	73.2	54.5	102.8	185.3	143.8	68.0
82.5°	17.6	17.1	32.2	46.2	45.7	30.1	27.5	32.2	36.9	33.7	20.8
85°	1.0	1.6	16.6	22.3	19.2	13.0	17.1	13.5	14.0	13.5	10.4
87.5°	0.5	0.5	1.6	2.1	2.6	2.6	3.1	3.1	4.2	4.7	4.2
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°	1.6	1.6	1.6	1.6	1.6	0.5	0.5	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.6	1.6	0.5	0.0	5.7	15.6	16.6	16.1
10°	1.6	1.6	1.6	1.6	1.0	13.5	18.7	17.6	17.1	16.6	16.6
12.5°	94.5	79.9	14.5	3.1	13.5	17.1	15.1	15.1	14.5	14.5	14.5
15°	206.6	173.4	81.5	27.5	21.3	14.5	13.5	13.5	22.3	24.4	23.9
17.5°	216.5	174.9	79.9	37.4	30.6	18.7	18.7	23.9	23.4	22.3	22.3
20°	411.6	269.9	92.4	36.9	28.0	29.6	22.3	20.8	19.7	18.7	18.7
22.5°	440.2	317.2	99.1	46.7	30.1	29.6	22.8	19.2	24.4	23.9	23.9
25°	568.4	383.1	89.8	43.6	38.9	27.0	24.4	21.3	20.8	19.7	19.7
27.5°	704.4	453.2	99.1	45.2	35.3	26.5	22.8	18.7	19.7	21.8	21.8
30°	772.4	453.7	78.4	46.2	33.7	27.0	20.2	20.8	19.7	19.2	18.7
32.5°	1036.6	582.4	75.3	44.1	31.7	23.4	20.8	18.2	16.6	18.2	18.2
35°	1083.3	562.2	65.4	44.6	28.5	21.3	17.6	16.6	16.6	16.1	16.1
37.5°	1134.7	540.4	57.6	39.5	27.5	19.2	15.1	15.1	14.5	15.6	15.6
40°	1191.3	517.5	51.4	34.3	23.4	16.1	13.5	13.0	13.5	13.5	13.0
42.5°	1257.2	495.2	46.2	30.1	19.7	13.5	10.9	10.9	10.9	10.4	10.4
45°	1327.8	477.6	42.6	26.0	16.6	11.4	8.8	8.3	7.8	7.8	7.8
47.5°	1411.4	470.3	39.5	21.8	14.0	8.8	6.7	6.2	5.7	5.2	5.2
50°	1481.5	467.2	34.8	18.2	11.9	7.3	4.7	4.2	3.6	3.1	3.1
52.5°	1543.2	453.7	30.1	14.5	9.3	5.2	3.1	2.1	1.6	1.6	1.6
55°	1604.5	441.2	26.0	12.5	6.7	3.1	1.6	0.5	0.5	1.0	1.0
57.5°	1680.3	427.2	22.3	10.4	5.2	2.1	1.0	0.0	0.5	0.5	1.0
60°	1799.1	412.7	19.7	8.8	3.6	1.6	0.5	0.0	0.0	0.5	0.5
62.5°	1905.5	387.2	17.1	7.8	3.1	1.6	0.5	0.0	0.0	0.0	0.5
65°	1951.7	334.8	15.1	6.7	3.1	1.6	0.5	0.0	0.0	0.0	0.0
67°	1874.4	271.0	13.5	6.2	2.6	1.0	0.5	0.0	0.0	0.0	0.0
67.5°	1838.1	252.8	13.5	5.7	2.6	1.0	0.5	0.5	0.0	0.0	0.0
70°	1560.4	167.7	11.9	5.2	2.6	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	1197.5	97.6	10.4	4.7	2.6	1.0	1.0	0.5	0.5	0.0	0.0
75°	669.6	49.3	8.3	4.7	2.6	1.6	1.6	1.0	1.0	1.0	0.0
77.5°	214.4	27.0	6.2	4.2	2.6	1.6	1.6	1.0	1.6	1.6	0.5
80°	33.7	14.0	4.7	3.1	2.6	1.0	1.6	1.6	2.1	2.1	0.5
82.5°	12.5	7.8	3.6	3.1	2.6	1.0	1.6	1.6	2.1	2.6	0.0
85°	5.7	4.7	3.6	3.1	2.6	1.0	1.6	1.6	2.1	2.6	0.0
87.5°	2.6	3.6	3.1	3.1	2.6	1.0	1.6	1.6	2.1	2.1	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)