

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: P415716

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415716
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-PA1-50-830-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 4073 lumens
Efficiency: N/A
Efficacy: 75.4 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

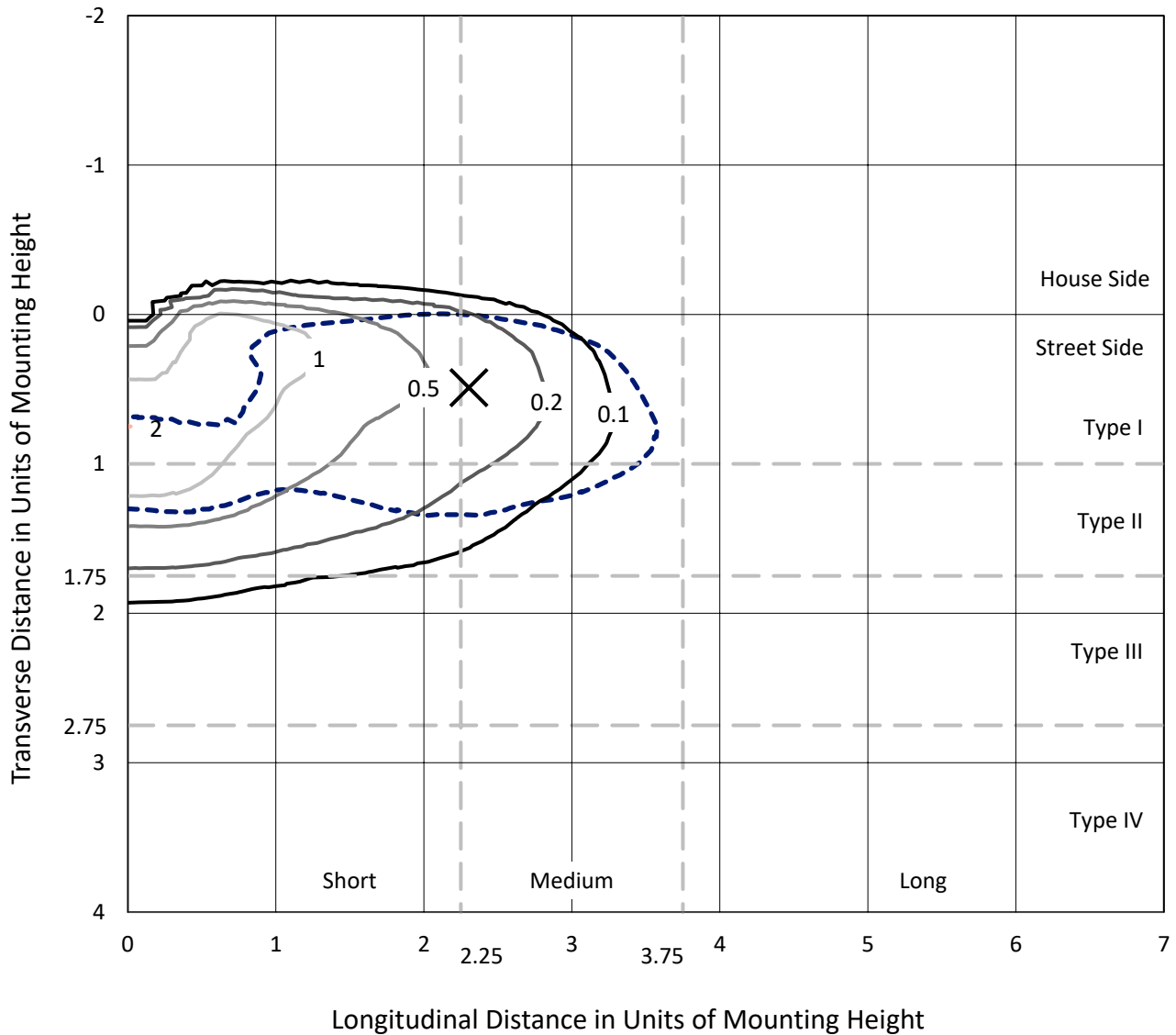
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

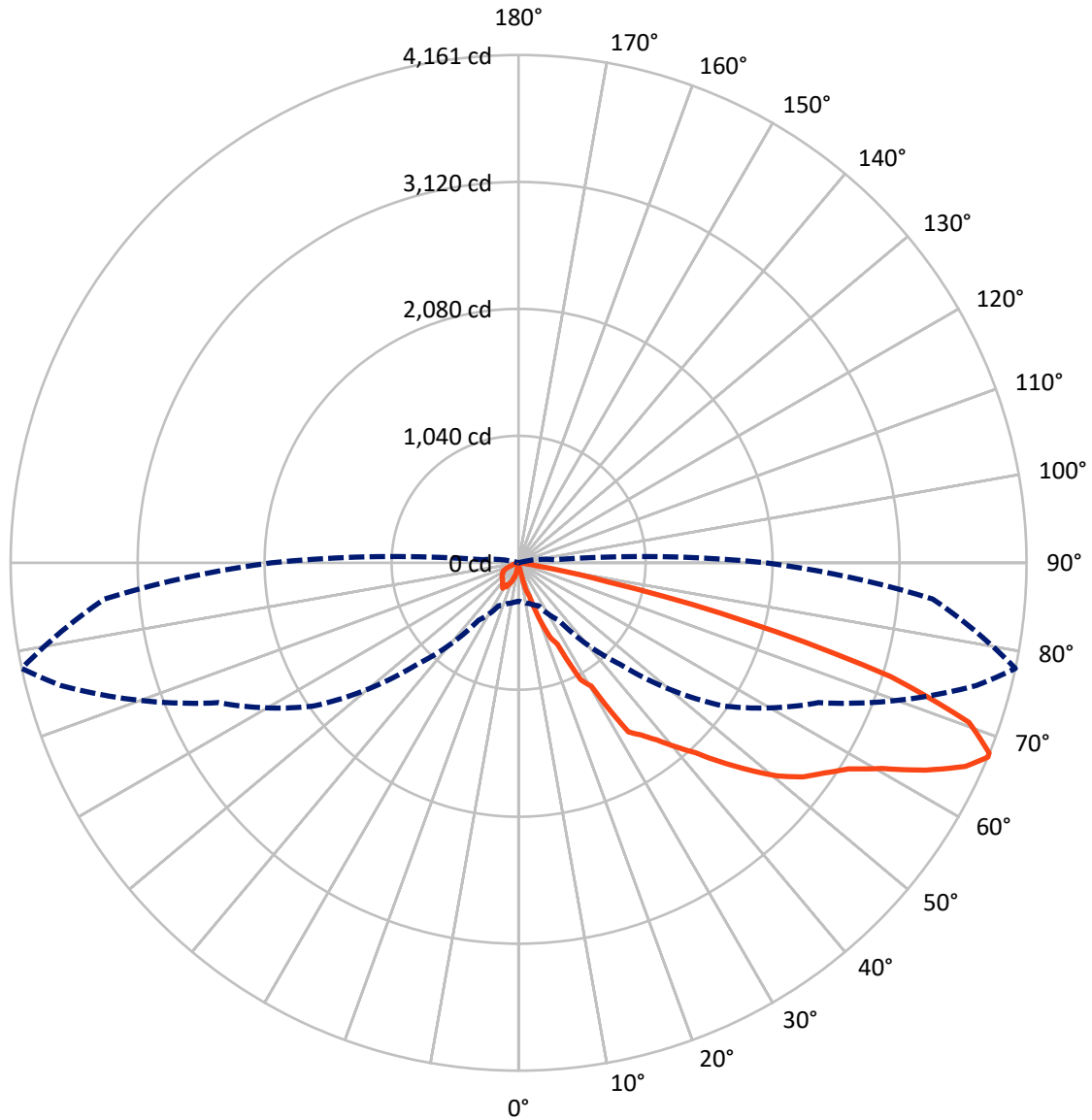
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - 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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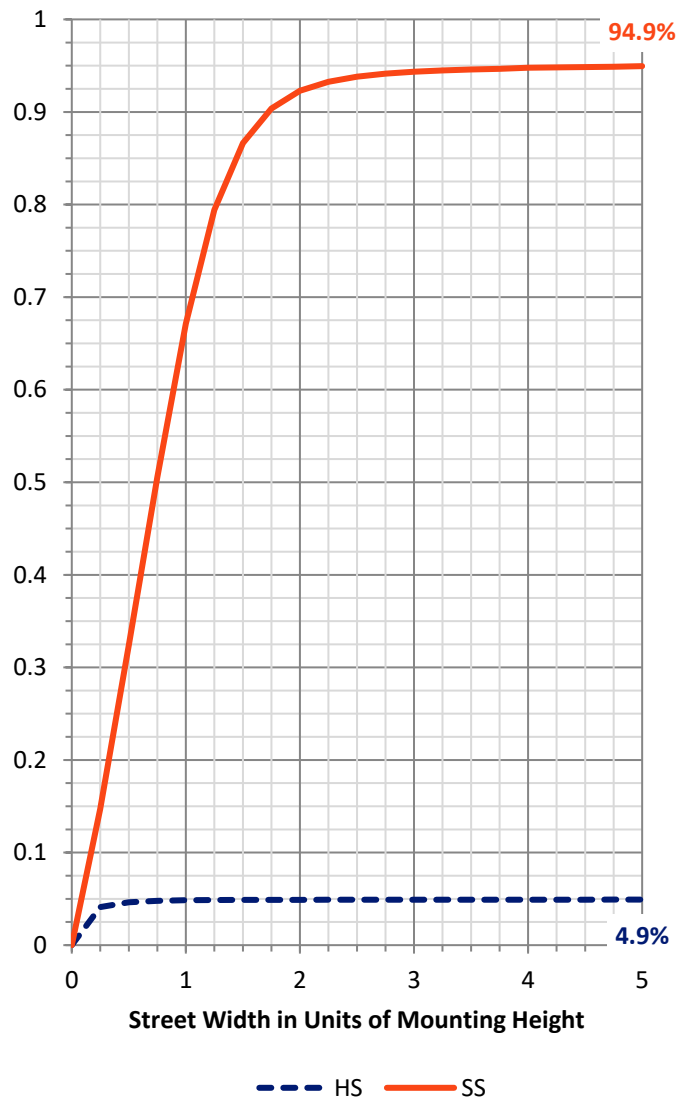
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	201.7	0.0	201.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3871.3	0.0	3871.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	4073.0	0.0	4073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	55.5	1.4
20°-30°	221.2	5.4
30°-40°	562.6	13.8
40°-50°	921.1	22.6
50°-60°	1038.7	25.5
60°-70°	895.7	22.0
70°-80°	360.3	8.8
80°-90°	14.1	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°	4073.0	100.0
0°-180°	4073.0	100.0

Coefficient of Utilization



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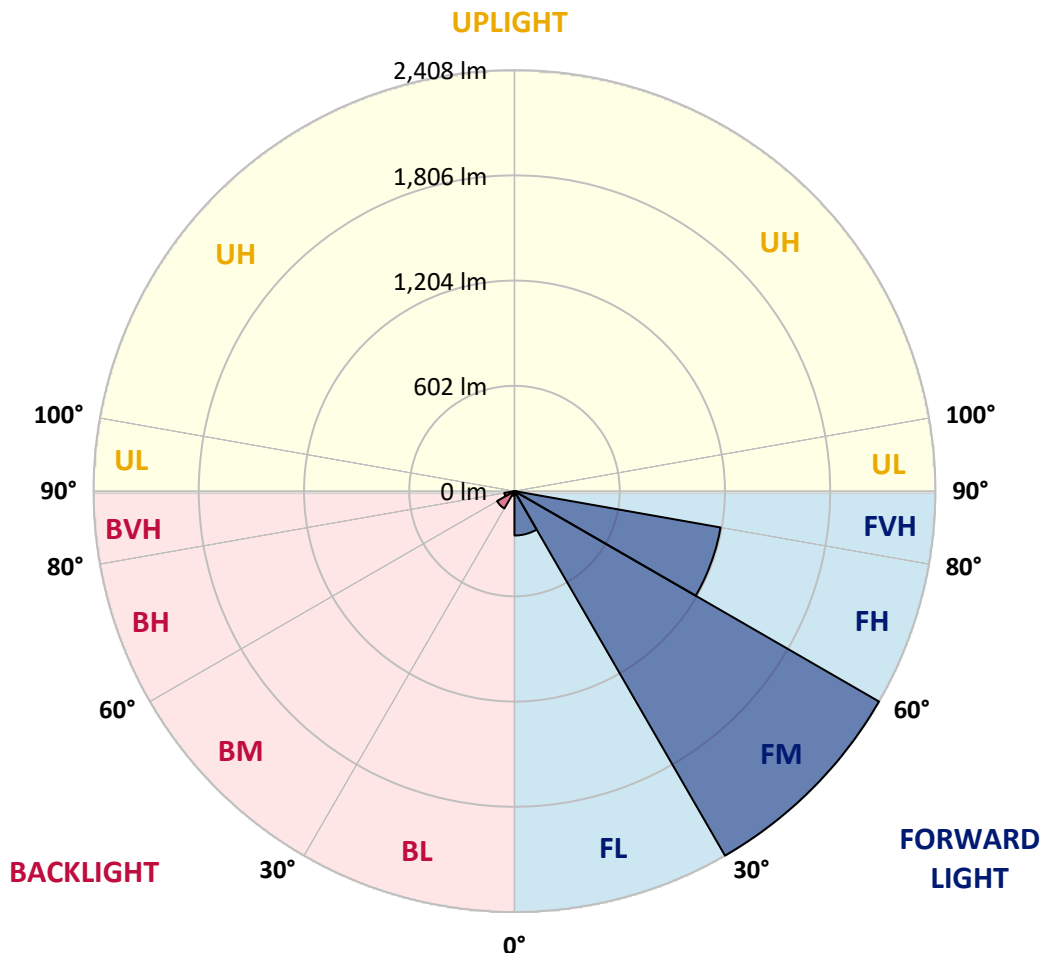
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.0	6.2			
FM (30°-60°)	2407.6	59.1			
FH (60°-80°)	1197.0	29.4			G1/1800
FVH (80°-90°)	12.7	0.3			G1/100
BL (0°-30°)	26.5	0.6	B0/110		
BM (30°-60°)	114.8	2.8	B0/220		
BH (60°-80°)	59.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.6	0.6	1.1	1.1	2.2	2.2	1.7	1.7	1.7	1.7	1.7
5°	170.6	133.5	94.8	27.5	10.7	5.0	2.2	1.7	1.7	1.7	1.1
7.5°	190.2	188.5	186.3	185.2	181.8	176.2	12.3	2.2	1.7	1.7	1.7
10°	203.7	200.3	199.8	199.2	196.9	192.5	184.0	10.7	1.7	1.7	1.7
12.5°	409.0	407.4	400.6	234.5	211.0	206.5	199.2	143.1	11.2	94.3	102.1
15°	404.0	402.9	407.4	416.3	424.7	226.7	323.8	408.5	250.8	240.1	250.2
17.5°	418.0	417.5	410.2	417.5	430.4	502.2	462.3	445.5	278.3	290.6	267.1
20°	626.2	625.1	631.2	593.6	446.6	625.6	580.7	482.5	546.5	502.2	504.4
22.5°	657.6	659.8	658.2	671.1	775.4	646.4	722.7	750.2	759.2	664.9	574.0
25°	965.1	951.1	921.9	712.6	836.0	801.8	918.0	810.8	816.4	735.6	735.6
27.5°	1081.2	1081.2	1057.1	1029.6	887.1	1029.6	966.2	1065.0	1161.5	1085.2	921.3
30°	1467.3	1456.0	1212.5	1177.7	1104.2	1089.6	1166.5	1250.1	1207.5	1171.6	1036.3
32.5°	1744.4	1745.6	1683.9	1495.3	1313.0	1215.3	1351.1	1379.2	1609.8	1651.9	1405.0
35°	2225.9	2197.8	1895.9	1724.8	1545.3	1480.2	1473.4	1615.4	1747.8	1733.2	1522.8
37.5°	2531.7	2512.0	2366.1	1981.8	1751.7	1605.9	1693.4	1700.1	1914.5	1841.0	1663.7
40°	2671.9	2663.0	2539.5	2213.0	1933.0	1777.6	1805.6	1827.5	2081.7	1980.7	1782.0
42.5°	2785.3	2776.9	2664.6	2329.1	2106.9	1942.0	1931.9	1935.8	2216.9	2128.2	1901.6
45°	2839.7	2834.7	2786.4	2431.8	2182.7	2048.6	2069.3	2044.1	2334.7	2329.1	2034.0
47.5°	2787.0	2789.8	2803.2	2522.7	2238.2	2132.7	2202.9	2162.5	2475.0	2533.9	2183.2
50°	2601.2	2600.1	2677.0	2536.2	2270.2	2200.1	2320.7	2274.1	2641.6	2743.8	2317.9
52.5°	2029.5	2104.1	2382.4	2391.4	2262.9	2233.7	2409.3	2402.6	2798.7	2914.3	2452.6
55°	1527.3	1557.6	1821.9	2074.4	2168.6	2229.8	2440.8	2489.0	2914.9	3038.9	2558.0
57.5°	1200.2	1190.1	1334.8	1672.1	1930.7	2163.6	2433.5	2522.7	3028.2	3184.8	2697.2
60°	878.1	887.1	1002.1	1212.5	1587.9	2013.2	2411.0	2577.1	3207.8	3420.4	2904.2
62.5°	636.8	636.8	716.0	844.5	1216.5	1771.9	2362.2	2653.4	3488.9	3740.3	3150.6
65°	428.7	425.9	484.8	550.4	833.2	1466.1	2230.9	2724.7	3758.2	4021.4	3362.1
67°	315.3	321.5	345.6	388.8	576.2	1174.4	2043.5	2710.7	3882.2	4160.5	3403.6
67.5°	295.1	297.9	331.0	369.2	531.4	1096.9	1990.2	2693.8	3895.7	4157.2	3382.3
70°	214.3	218.8	236.8	248.0	321.5	723.8	1588.5	2429.0	3699.3	3913.6	3075.4
72.5°	115.0	124.6	172.3	171.1	199.8	441.6	1080.1	1802.8	3040.6	3185.9	2360.5
75°	89.8	90.9	102.7	126.8	129.1	245.8	519.6	1047.6	1923.4	1934.1	1310.7
77.5°	65.6	68.5	75.7	80.2	84.2	139.7	181.8	416.3	851.7	744.0	491.0
80°	44.3	46.0	49.9	59.5	69.0	79.1	58.9	111.1	200.3	155.4	73.5
82.5°	19.1	18.5	34.8	49.9	49.4	32.5	29.7	34.8	39.8	36.5	22.4
85°	1.1	1.7	18.0	24.1	20.8	14.0	18.5	14.6	15.1	14.6	11.2
87.5°	0.6	0.6	1.7	2.2	2.8	2.8	3.4	3.4	4.5	5.0	4.5
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.7	1.7	1.7	1.7	1.7	0.6	0.6	0.0	0.0	0.0	0.0
5°	1.7	1.7	1.7	1.7	1.7	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.7	1.7	1.7	1.7	1.7	0.6	0.0	6.2	16.8	18.0	17.4
10°	1.7	1.7	1.7	1.7	1.1	14.6	20.2	19.1	18.5	18.0	18.0
12.5°	102.1	86.4	15.7	3.4	14.6	18.5	16.3	16.3	15.7	15.7	15.7
15°	223.3	187.4	88.1	29.7	23.0	15.7	14.6	14.6	24.1	26.4	25.8
17.5°	234.0	189.1	86.4	40.4	33.1	20.2	20.2	25.8	25.2	24.1	24.1
20°	444.9	291.8	99.9	39.8	30.3	32.0	24.1	22.4	21.3	20.2	20.2
22.5°	475.8	342.8	107.2	50.5	32.5	32.0	24.7	20.8	26.4	25.8	25.8
25°	614.4	414.1	97.1	47.1	42.1	29.2	26.4	23.0	22.4	21.3	21.3
27.5°	761.4	489.8	107.2	48.8	38.2	28.6	24.7	20.2	21.3	23.6	23.6
30°	834.9	490.4	84.7	49.9	36.5	29.2	21.9	22.4	21.3	20.8	20.2
32.5°	1120.5	629.6	81.4	47.7	34.2	25.2	22.4	19.6	18.0	19.6	19.6
35°	1171.0	607.7	70.7	48.3	30.9	23.0	19.1	18.0	18.0	17.4	17.4
37.5°	1226.6	584.1	62.3	42.6	29.7	20.8	16.3	16.3	15.7	16.8	16.8
40°	1287.7	559.4	55.5	37.0	25.2	17.4	14.6	14.0	14.6	14.6	14.0
42.5°	1359.0	535.3	49.9	32.5	21.3	14.6	11.8	11.8	11.8	11.2	11.2
45°	1435.3	516.2	46.0	28.1	18.0	12.3	9.5	9.0	8.4	8.4	8.4
47.5°	1525.6	508.4	42.6	23.6	15.1	9.5	7.3	6.7	6.2	5.6	5.6
50°	1601.4	505.0	37.6	19.6	12.9	7.9	5.0	4.5	3.9	3.4	3.4
52.5°	1668.1	490.4	32.5	15.7	10.1	5.6	3.4	2.2	1.7	1.7	1.7
55°	1734.3	476.9	28.1	13.5	7.3	3.4	1.7	0.6	0.6	1.1	1.1
57.5°	1816.3	461.8	24.1	11.2	5.6	2.2	1.1	0.0	0.6	0.6	1.1
60°	1944.8	446.1	21.3	9.5	3.9	1.7	0.6	0.0	0.0	0.6	0.6
62.5°	2059.8	418.6	18.5	8.4	3.4	1.7	0.6	0.0	0.0	0.0	0.6
65°	2109.7	361.9	16.3	7.3	3.4	1.7	0.6	0.0	0.0	0.0	0.0
67°	2026.1	292.9	14.6	6.7	2.8	1.1	0.6	0.0	0.0	0.0	0.0
67.5°	1986.8	273.3	14.6	6.2	2.8	1.1	0.6	0.6	0.0	0.0	0.0
70°	1686.7	181.2	12.9	5.6	2.8	1.1	1.1	0.6	0.0	0.0	0.0
72.5°	1294.4	105.5	11.2	5.0	2.8	1.1	1.1	0.6	0.6	0.0	0.0
75°	723.8	53.3	9.0	5.0	2.8	1.7	1.7	1.1	1.1	1.1	0.0
77.5°	231.7	29.2	6.7	4.5	2.8	1.7	1.7	1.1	1.7	1.7	0.6
80°	36.5	15.1	5.0	3.4	2.8	1.1	1.7	1.7	2.2	2.2	0.6
82.5°	13.5	8.4	3.9	3.4	2.8	1.1	1.7	1.7	2.2	2.8	0.0
85°	6.2	5.0	3.9	3.4	2.8	1.1	1.7	1.7	2.2	2.8	0.0
87.5°	2.8	3.9	3.4	3.4	2.8	1.1	1.7	1.7	2.2	2.2	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)