

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: P416279

Luminaire Tested: **LXF.LXT-PA1-70-730-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6418 lumens
Efficiency: N/A
Efficacy: 86.7 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): 74
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

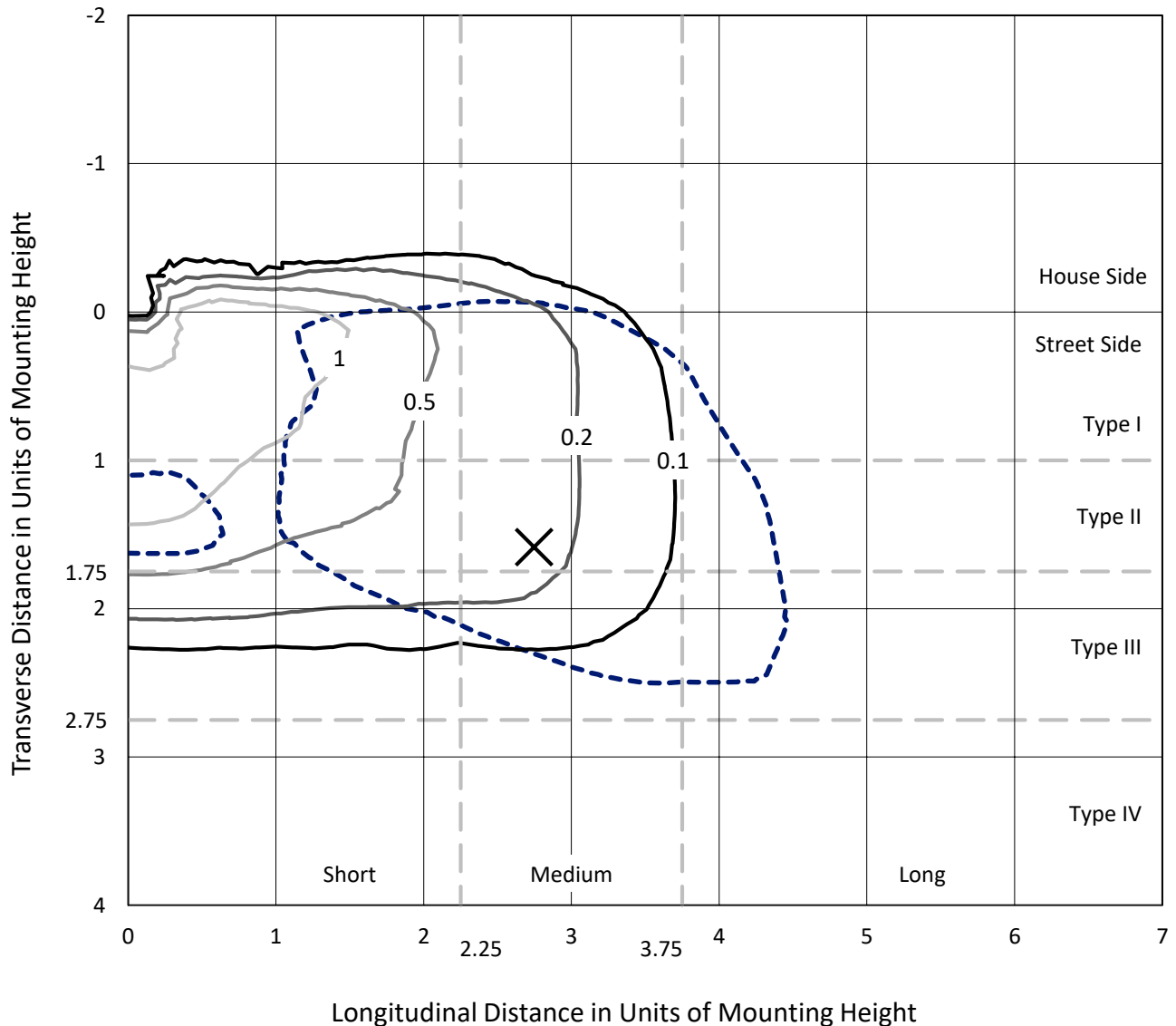


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

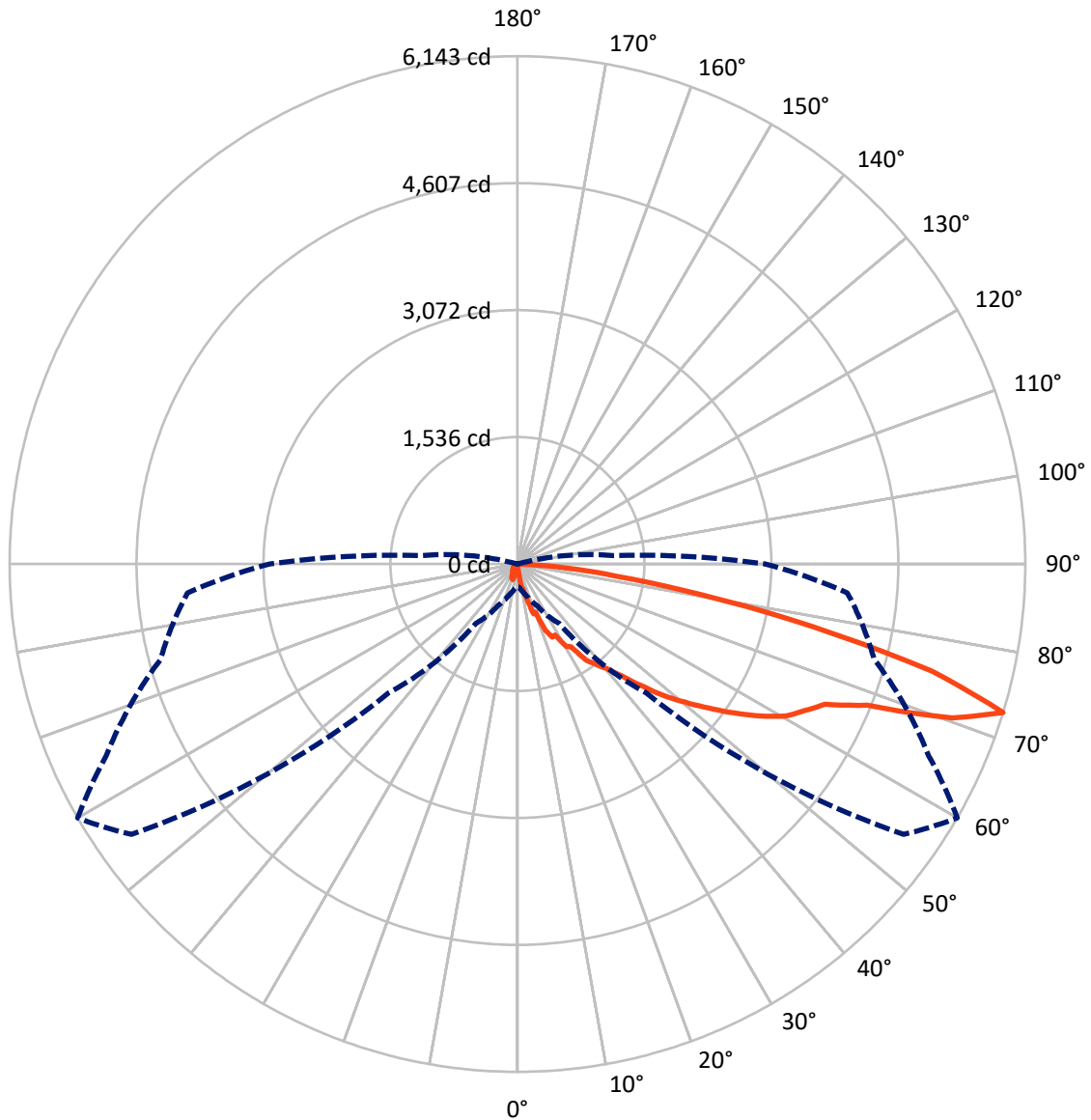


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - Non-Cutoff

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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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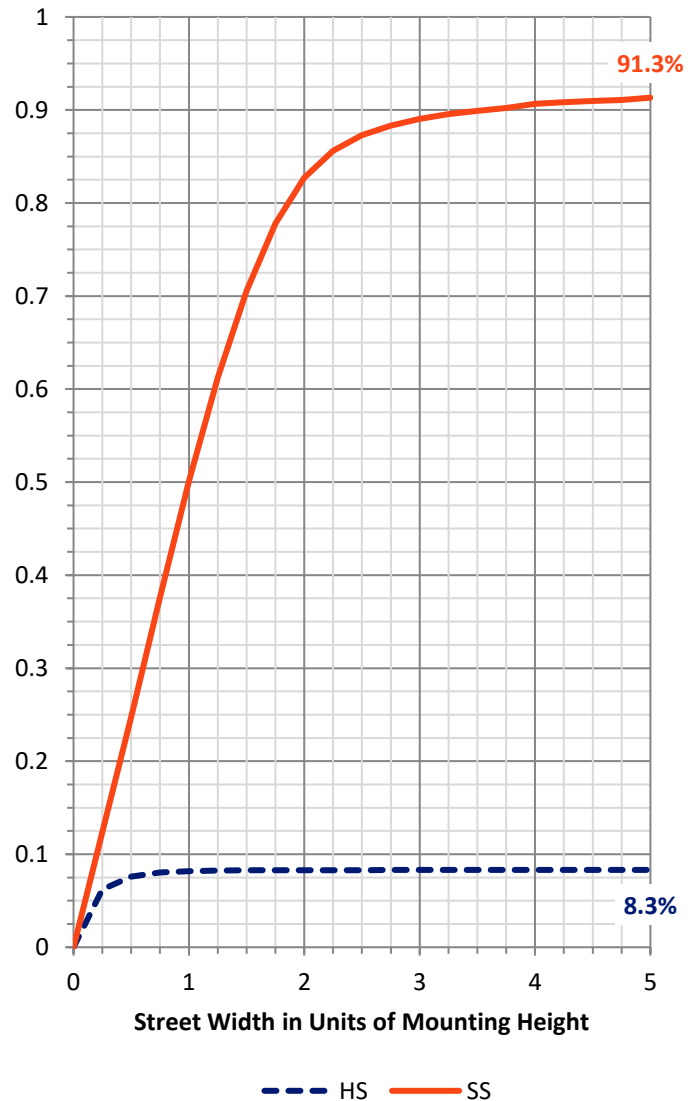
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.3	0.0	538.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5879.7	0.0	5879.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	6418.0	0.0	6418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	89.4	1.4
20°-30°	279.5	4.4
30°-40°	602.7	9.4
40°-50°	1024.7	16.0
50°-60°	1514.9	23.6
60°-70°	1647.8	25.7
70°-80°	1123.0	17.5
80°-90°	127.4	2.0
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°	6418.0	100.0
0°-180°	6418.0	100.0

Coefficient of Utilization



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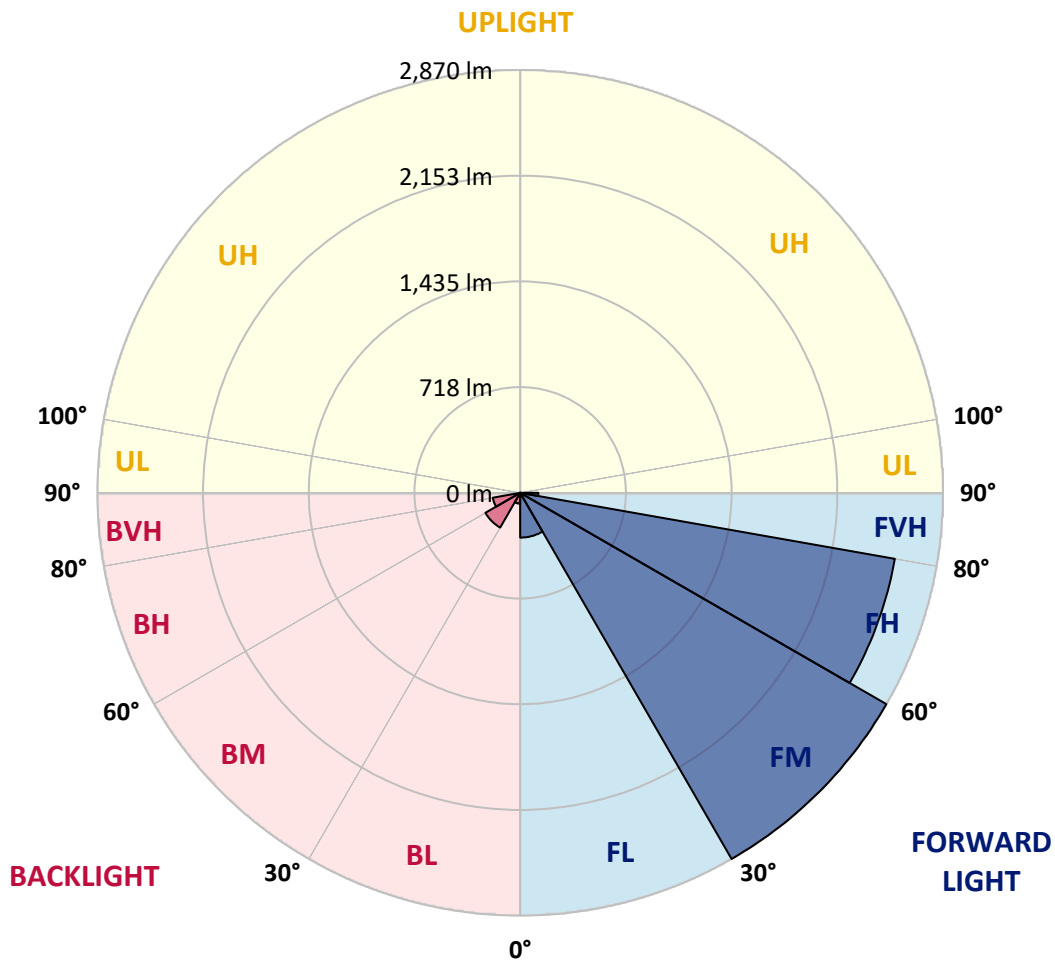
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.0	4.7			
FM	(30°-60°)	2870.0	44.7			
FH	(60°-80°)	2582.2	40.2			G2/5000
FVH	(80°-90°)	123.5	1.9			G2/225
BL	(0°-30°)	73.6	1.1	B0/110		
BM	(30°-60°)	272.2	4.2	B1/1000		
BH	(60°-80°)	188.6	2.9	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	5.8	4.2	4.2	3.3	2.5	2.5	2.5	3.3	3.3	2.5	3.3
5°	328.3	324.1	324.1	325.8	211.6	35.8	20.0	8.3	3.3	3.3	3.3
7.5°	311.6	308.3	310.0	314.1	316.6	320.8	320.8	98.3	31.7	3.3	3.3
10°	319.1	316.6	303.3	300.8	305.8	310.0	311.6	319.1	310.0	9.2	3.3
12.5°	561.6	557.4	557.4	564.9	328.3	300.0	303.3	310.8	268.3	35.0	19.2
15°	537.4	534.1	534.9	544.1	556.6	394.9	311.6	461.6	592.4	534.9	424.9
17.5°	749.9	645.7	558.3	531.6	534.1	551.6	604.1	634.9	602.4	609.1	463.3
20°	765.7	759.9	756.6	762.4	546.6	727.4	768.2	623.2	606.6	652.4	854.9
22.5°	792.4	779.1	752.4	749.1	841.5	716.6	744.1	871.5	894.9	955.7	889.9
25°	1073.2	1063.2	1035.7	788.2	863.2	823.2	938.2	980.7	966.5	1006.5	964.9
27.5°	1179.0	1159.8	1100.7	1023.2	916.5	970.7	949.0	972.4	1067.3	1386.5	1360.6
30°	1652.3	1601.4	1438.1	1178.2	1089.8	1010.7	1104.0	1153.2	1233.2	1419.0	1394.8
32.5°	1795.6	1741.4	1623.1	1499.8	1291.5	1145.7	1214.8	1193.2	1250.7	1731.4	1831.4
35°	2213.0	2188.0	1974.7	1632.3	1578.9	1351.5	1275.7	1424.8	1509.8	1755.6	1924.7
37.5°	2218.0	2219.7	2207.2	1975.6	1731.4	1519.0	1533.1	1539.0	1604.8	1870.6	2033.0
40°	2288.8	2300.5	2331.3	2156.4	1950.6	1761.4	1723.9	1665.6	1723.9	1999.7	2181.4
42.5°	2437.2	2445.5	2513.8	2331.3	2123.9	1950.6	1969.7	1850.6	1893.1	2243.9	2383.0
45°	2698.0	2693.0	2778.8	2515.5	2285.5	2166.4	2188.0	2096.4	2070.5	2443.8	2619.6
47.5°	2992.9	3011.2	3007.9	2718.8	2446.3	2367.2	2429.7	2380.5	2278.8	2698.8	2895.4
50°	3272.0	3266.2	3179.6	2833.8	2589.6	2563.8	2708.0	2627.1	2534.6	2957.9	3161.2
52.5°	3373.7	3378.7	3275.4	2902.9	2712.1	2758.8	2974.6	2892.9	2772.9	3142.9	3425.4
55°	3355.4	3362.0	3303.7	2973.7	2803.8	2941.3	3251.2	3181.2	3046.2	3343.7	3623.7
57.5°	3183.7	3183.7	3231.2	3017.9	2892.9	3104.6	3497.8	3469.5	3302.9	3510.3	3742.0
60°	2745.4	2792.1	2941.3	2964.6	2997.9	3281.2	3742.0	3732.8	3530.3	3666.2	3812.0
62.5°	2111.4	2126.4	2456.3	2706.3	3006.2	3518.7	3947.8	3903.6	3698.6	3713.6	3861.1
65°	1197.3	1265.7	1570.6	2202.2	2835.4	3767.0	4278.6	4089.4	3846.1	3770.3	4041.9
67.5°	644.9	669.9	839.9	1333.1	2323.8	3794.5	5028.5	4561.0	4196.1	4068.6	4396.0
70°	416.6	443.3	534.9	732.4	1457.3	3355.4	5734.2	5576.7	4918.5	4476.9	4450.2
72.5°	270.8	286.6	385.8	551.6	876.5	2210.5	5701.7	6143.3	5489.2	4469.4	4006.1
75°	110.0	120.8	193.3	459.1	740.7	1083.2	4374.4	5180.1	5153.4	3971.9	3100.4
77.5°	55.0	58.3	85.8	248.3	657.4	749.9	2767.9	3653.7	3668.7	2895.4	1723.9
80°	35.8	35.0	49.2	116.7	448.3	682.4	1548.1	2244.7	2098.9	1098.2	483.3
82.5°	14.2	15.0	26.7	66.7	187.5	617.4	883.2	1208.2	944.9	214.1	139.1
85°	2.5	2.5	8.3	35.8	59.2	282.5	569.9	584.9	388.3	67.5	70.0
87.5°	0.8	0.8	1.7	2.5	4.2	6.7	25.0	11.7	7.5	11.7	13.3
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.3	3.3	3.3	2.5	2.5	1.7	0.0	0.0	0.8	0.8	0.8
5°	3.3	3.3	3.3	2.5	2.5	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.3	3.3	3.3	2.5	1.7	0.8	24.2	154.1	159.1	160.0	158.3
12.5°	20.8	21.7	11.7	2.5	1.7	143.3	142.5	119.1	104.2	98.3	90.8
15°	452.4	429.9	355.8	210.0	115.8	117.5	86.7	64.2	51.7	48.3	46.7
17.5°	448.3	415.8	327.5	191.6	201.6	88.3	46.7	51.7	67.5	68.3	68.3
20°	842.4	739.1	320.0	214.1	135.8	76.7	60.8	64.2	64.2	65.0	64.2
22.5°	878.2	774.9	479.1	273.3	97.5	80.8	69.2	60.0	61.7	80.0	77.5
25°	885.7	759.9	444.1	214.1	94.2	80.8	75.8	73.3	82.5	82.5	83.3
27.5°	1276.5	1068.2	538.3	160.8	93.3	84.2	84.2	76.7	74.2	73.3	74.2
30°	1274.0	1031.5	459.1	135.8	90.0	83.3	75.8	68.3	82.5	83.3	83.3
32.5°	1672.3	1319.0	444.1	110.0	90.0	76.7	66.7	70.8	65.8	65.8	65.8
35°	1695.6	1285.7	350.0	114.2	80.0	70.0	65.0	55.0	58.3	59.2	57.5
37.5°	1740.6	1262.3	265.8	103.3	80.0	65.0	53.3	49.2	45.8	45.0	45.0
40°	1821.4	1264.0	205.0	95.0	75.0	59.2	47.5	40.0	41.7	41.7	40.8
42.5°	1942.2	1288.2	160.8	87.5	67.5	52.5	40.0	35.8	33.3	33.3	32.5
45°	2102.2	1339.8	131.6	81.7	61.7	45.0	32.5	29.2	26.7	26.7	25.8
47.5°	2300.5	1412.3	115.0	75.8	55.0	37.5	26.7	23.3	21.7	20.8	20.8
50°	2512.1	1499.0	105.8	70.8	47.5	30.0	21.7	18.3	16.7	16.7	15.8
52.5°	2731.3	1598.1	98.3	67.5	40.8	25.0	16.7	13.3	12.5	11.7	12.5
55°	2908.8	1658.1	93.3	66.7	34.2	20.0	12.5	10.0	9.2	8.3	8.3
57.5°	3025.4	1690.6	86.7	61.7	27.5	15.0	9.2	6.7	5.8	5.8	5.8
60°	3117.1	1708.9	78.3	49.2	21.7	10.8	5.8	4.2	4.2	4.2	4.2
62.5°	3189.6	1721.4	65.8	38.3	16.7	7.5	4.2	2.5	2.5	2.5	2.5
65°	3404.5	1794.7	50.8	29.2	12.5	5.0	2.5	1.7	0.8	1.7	1.7
67.5°	3666.2	1825.6	37.5	20.8	9.2	3.3	1.7	0.8	0.8	0.8	1.7
70°	3562.8	1590.6	27.5	15.0	6.7	2.5	1.7	0.8	0.8	0.8	1.7
72.5°	2993.7	1162.3	20.0	10.8	5.0	2.5	1.7	0.8	0.8	1.7	1.7
75°	2153.0	655.7	15.8	7.5	4.2	2.5	1.7	1.7	1.7	2.5	2.5
77.5°	1013.2	244.1	15.8	6.7	4.2	2.5	1.7	1.7	2.5	3.3	1.7
80°	245.8	60.8	15.8	5.8	4.2	2.5	2.5	2.5	3.3	3.3	1.7
82.5°	82.5	25.8	11.7	5.0	4.2	2.5	2.5	3.3	3.3	4.2	2.5
85°	50.0	16.7	8.3	5.8	5.0	2.5	3.3	3.3	4.2	5.0	2.5
87.5°	8.3	6.7	5.8	5.8	5.0	3.3	3.3	4.2	4.2	5.0	3.3
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)