

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: P414150

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414150
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-PA1-20-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA 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: 2318 lumens
Efficiency: N/A
Efficacy: 110.4 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 - G1

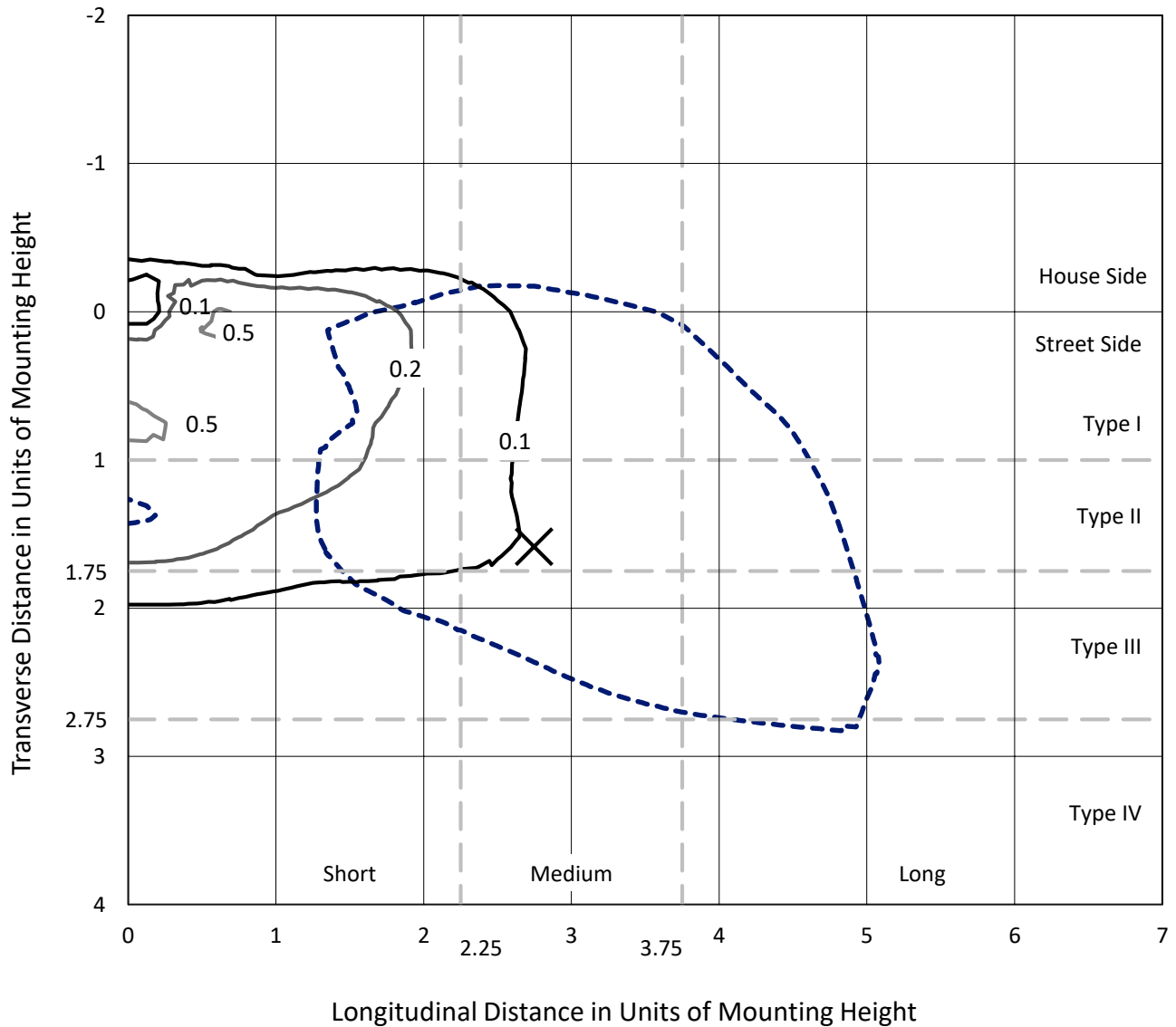
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

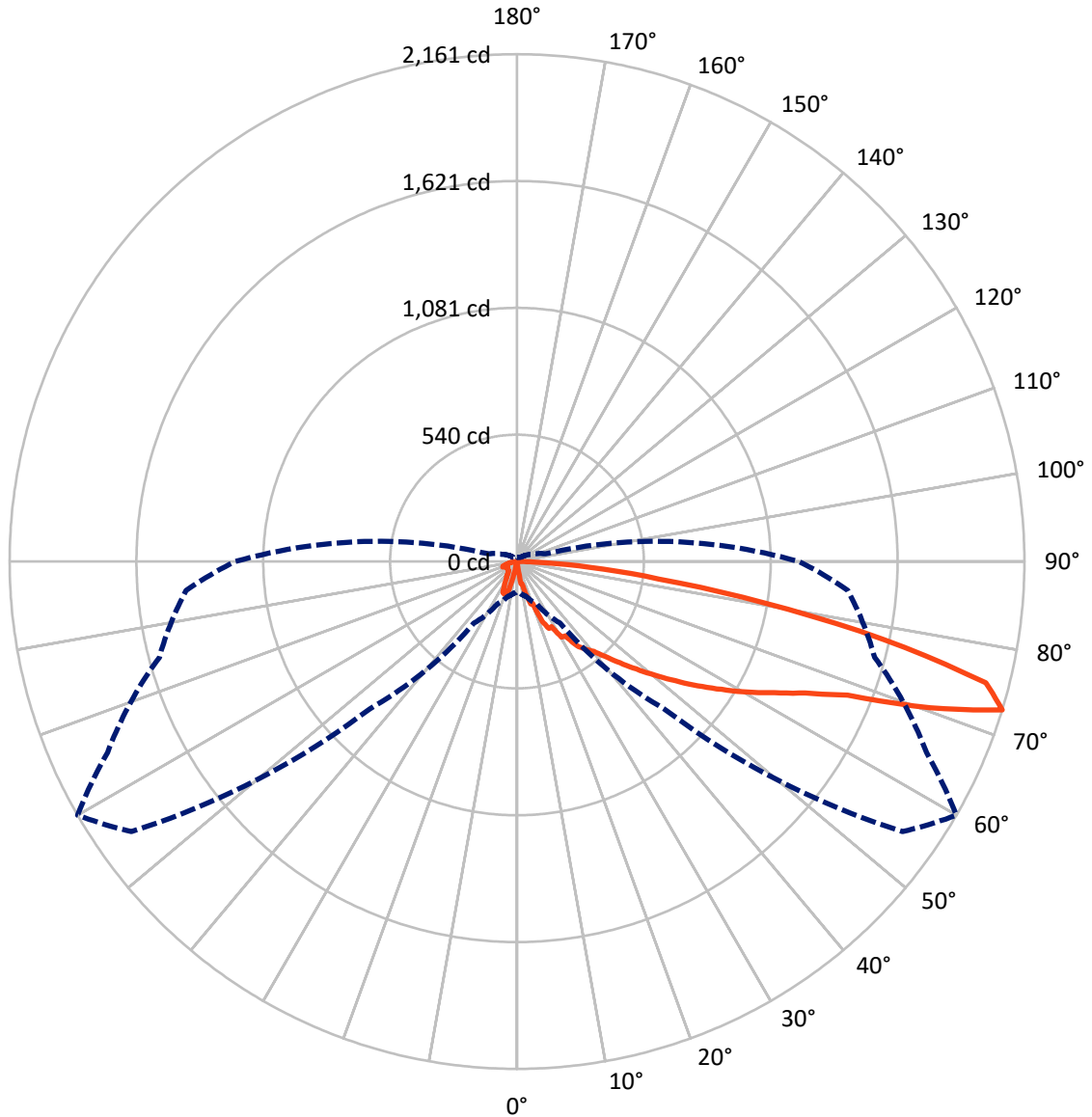
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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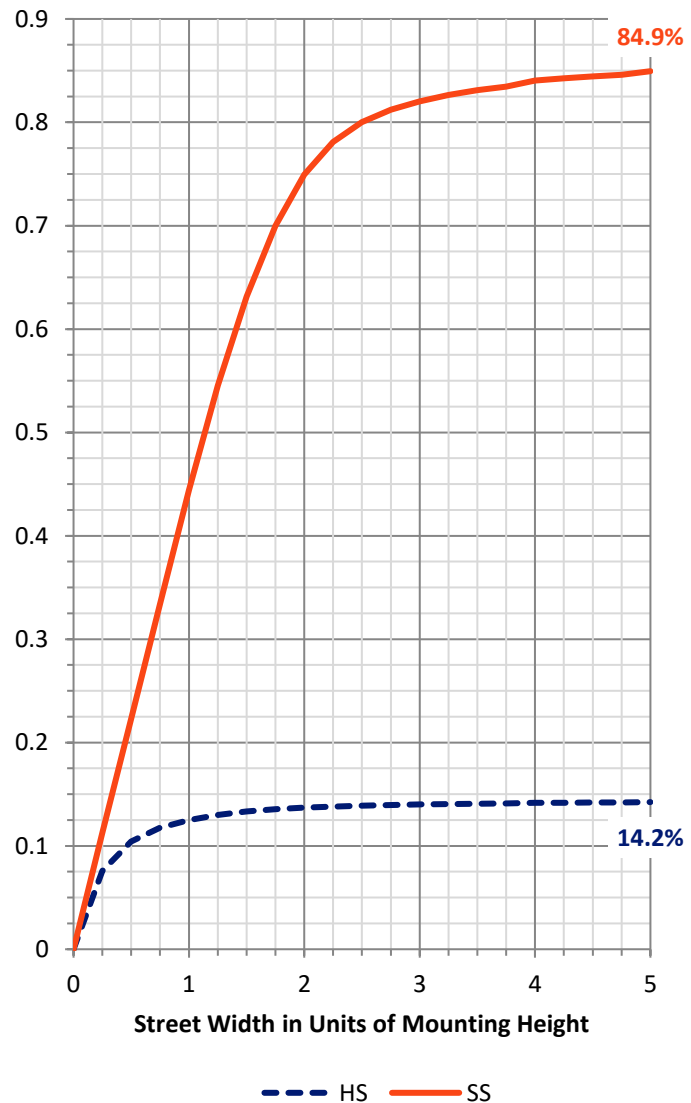
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.8	0.0	333.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1984.2	0.0	1984.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	2318.0	0.0	2318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	33.8	1.5
20°-30°	101.8	4.4
30°-40°	201.3	8.7
40°-50°	333.4	14.4
50°-60°	498.1	21.5
60°-70°	592.5	25.6
70°-80°	474.3	20.5
80°-90°	80.5	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°	2318.0	100.0
0°-180°	2318.0	100.0

Coefficient of Utilization



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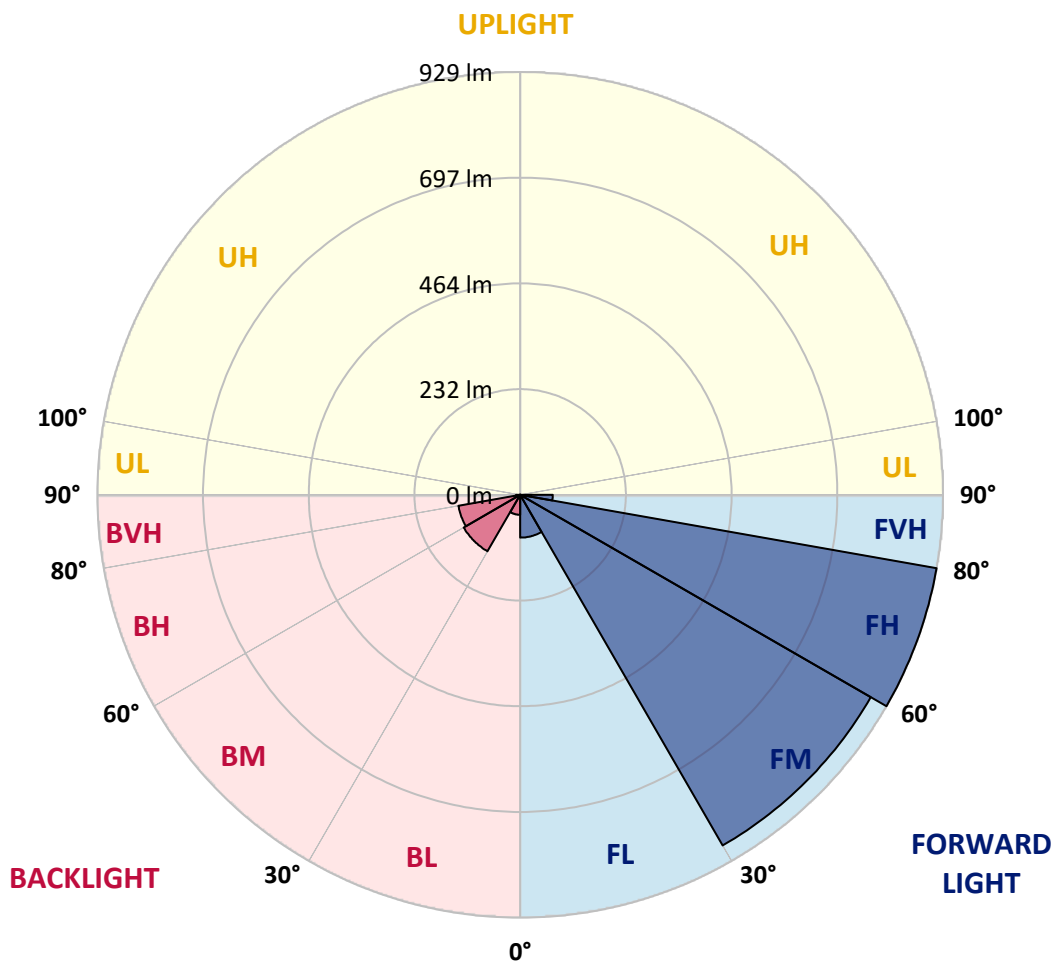
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.1	4.1			
FM	(30°-60°)	889.5	38.4			
FH	(60°-80°)	929.0	40.1			G1/1800
FVH	(80°-90°)	71.6	3.1			G1/100
BL	(0°-30°)	43.9	1.9	B0/110		
BM	(30°-60°)	143.2	6.2	B0/220		
BH	(60°-80°)	137.8	5.9	B1/500		G1/500
BVH	(80°-90°)	8.9	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	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°	1.3	1.3	1.5	1.8	1.8	1.5	1.3	1.3	1.3	1.0	1.3
5°	86.6	43.7	29.3	13.9	10.4	5.1	2.0	1.5	1.5	1.3	1.3
7.5°	99.5	99.5	99.7	100.8	101.5	102.0	12.6	6.6	2.5	1.3	1.3
10°	96.0	95.2	95.7	96.7	97.7	99.2	101.0	96.0	11.4	2.0	1.5
12.5°	177.3	176.8	170.7	104.0	96.5	96.5	99.0	99.2	78.0	7.6	7.3
15°	171.0	170.7	171.5	173.2	176.0	99.7	101.3	147.5	192.2	135.4	157.3
17.5°	175.8	173.7	169.2	168.2	170.7	160.4	188.6	190.9	195.2	155.6	159.3
20°	241.2	240.4	240.4	202.5	166.9	233.3	221.5	191.2	196.2	225.0	281.8
22.5°	240.4	239.1	237.4	237.1	272.0	227.0	230.6	276.5	287.6	329.8	318.4
25°	326.8	323.5	274.0	238.9	270.2	254.3	308.1	316.2	292.4	342.2	325.8
27.5°	354.8	348.5	332.8	305.1	272.2	309.1	307.6	314.1	322.5	467.7	447.7
30°	481.8	452.0	368.2	354.3	325.5	312.9	350.5	373.5	407.3	458.1	466.4
32.5°	539.1	528.3	487.4	436.1	380.3	337.9	383.3	377.5	410.4	556.8	598.0
35°	662.9	649.5	537.4	491.2	442.2	414.1	394.2	440.9	481.3	579.0	609.3
37.5°	687.1	684.1	658.1	575.3	509.6	455.3	461.4	474.0	500.3	610.1	641.4
40°	706.1	706.3	713.9	642.4	571.7	521.5	503.3	503.5	526.0	661.1	682.6
42.5°	756.1	758.1	778.5	702.3	647.0	598.7	567.2	553.3	570.5	719.7	733.1
45°	846.2	841.7	859.1	763.9	703.5	662.1	636.9	615.7	624.8	782.1	797.5
47.5°	959.6	950.0	944.2	840.7	765.2	729.5	706.1	683.8	686.6	841.7	871.2
50°	1047.2	1042.4	1012.4	898.7	818.2	797.5	787.6	760.1	748.2	908.1	955.6
52.5°	1084.6	1080.1	1042.9	942.7	860.1	862.4	879.5	843.7	810.4	980.1	1035.9
55°	1078.0	1074.2	1049.8	964.4	890.4	925.0	970.0	934.1	890.9	1048.0	1117.7
57.5°	1029.6	1031.3	1031.1	965.9	913.6	983.8	1058.3	1027.5	976.3	1115.4	1184.1
60°	922.5	931.8	966.7	955.1	943.2	1039.4	1144.2	1129.8	1075.5	1189.4	1245.5
62.5°	738.9	757.3	833.6	895.7	966.9	1117.2	1228.0	1229.8	1178.3	1246.7	1292.9
65°	498.5	497.0	610.6	764.6	938.9	1239.4	1353.3	1349.8	1273.5	1312.1	1362.9
67.5°	277.0	283.1	357.6	506.1	831.1	1315.2	1593.7	1517.9	1404.8	1411.9	1461.1
70°	171.5	178.8	203.8	282.8	532.1	1226.8	1902.5	1867.2	1647.5	1544.2	1500.8
72.5°	130.3	134.3	154.5	200.5	320.2	887.4	2005.1	2161.1	1924.3	1576.8	1414.4
75°	77.8	82.6	110.1	173.2	266.9	459.3	1738.4	2062.1	2012.1	1556.1	1234.3
77.5°	48.5	49.7	59.3	121.0	246.0	289.1	1190.9	1597.2	1639.9	1317.9	872.2
80°	37.1	37.4	40.9	64.4	198.7	273.7	689.6	1066.7	1045.5	703.8	342.7
82.5°	23.5	25.0	31.8	39.4	94.4	266.9	407.6	607.3	534.6	190.4	95.5
85°	11.9	13.4	22.5	27.0	45.7	289.1	289.1	311.4	218.9	63.9	36.1
87.5°	2.0	2.0	3.0	7.1	9.1	49.0	80.8	70.5	46.5	8.6	7.1
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.3	1.3	1.3	1.0	0.8	0.5	0.3	0.3	0.3	0.5	0.5
5°	1.3	1.3	1.3	1.0	0.8	0.5	0.3	0.3	0.5	0.8	0.8
7.5°	1.3	1.3	1.3	1.0	0.8	0.8	0.5	1.0	2.3	29.5	19.9
10°	1.5	1.5	1.5	1.3	1.0	2.8	86.4	91.2	91.4	90.9	89.9
12.5°	8.1	8.8	6.6	2.3	9.3	86.6	83.1	79.0	77.5	75.8	75.8
15°	159.6	157.6	148.7	109.6	67.2	77.3	69.4	64.1	99.5	98.2	99.2
17.5°	160.1	156.6	143.9	156.8	145.5	69.4	78.8	85.6	80.8	79.0	79.8
20°	303.8	287.4	146.0	146.2	124.7	123.2	66.9	63.1	63.9	65.4	65.9
22.5°	309.3	290.4	224.0	189.4	107.1	98.7	68.4	54.8	81.1	90.2	91.2
25°	311.9	288.1	211.6	167.7	121.0	74.0	66.2	60.1	74.0	83.1	83.6
27.5°	440.9	399.5	289.1	142.4	93.4	64.9	61.9	56.6	66.4	82.3	82.6
30°	437.1	388.4	267.9	137.9	72.2	59.8	53.5	59.1	62.6	66.9	66.9
32.5°	568.4	498.5	297.2	111.1	60.6	49.7	50.5	53.8	54.0	63.9	64.6
35°	568.7	487.6	256.1	101.5	52.0	45.5	46.2	49.7	55.1	61.4	62.4
37.5°	577.5	482.8	220.7	79.0	52.0	45.5	43.9	47.5	51.3	60.1	61.1
40°	596.2	484.9	187.1	65.7	50.3	44.7	43.4	46.2	50.8	55.8	56.3
42.5°	628.0	496.2	155.3	59.3	49.0	44.7	41.7	43.7	46.2	56.6	57.6
45°	678.5	520.5	130.8	56.8	48.5	42.9	39.6	40.2	41.9	66.9	69.7
47.5°	737.6	554.0	109.6	55.6	47.7	41.2	36.6	37.1	41.2	76.0	79.8
50°	805.8	603.8	97.0	55.3	47.0	38.6	34.3	37.1	45.5	75.8	77.5
52.5°	885.9	654.3	90.2	56.3	46.5	36.4	35.6	41.7	43.2	60.9	60.9
55°	957.8	710.4	90.7	57.1	44.9	36.4	36.6	35.4	34.1	41.9	42.2
57.5°	1028.5	766.2	99.0	55.6	42.7	36.6	31.6	29.0	29.5	35.6	36.4
60°	1089.9	820.0	124.0	52.3	40.7	33.1	29.3	27.3	27.8	35.9	36.6
62.5°	1156.1	885.6	171.7	53.5	40.4	31.3	27.3	25.0	26.0	29.8	30.3
65°	1245.5	977.3	214.6	63.1	41.9	30.3	25.0	23.7	24.0	24.2	24.2
67.5°	1333.1	1033.8	207.1	74.5	47.0	29.8	23.7	22.2	22.0	22.0	22.0
70°	1324.5	972.5	164.1	79.0	51.0	29.8	22.7	20.7	20.2	20.2	20.2
72.5°	1200.5	831.8	126.0	73.2	47.0	28.5	21.2	18.9	18.2	18.2	18.2
75°	1021.5	667.2	105.8	63.6	38.4	24.5	18.7	16.9	16.4	16.4	16.2
77.5°	652.5	394.4	89.9	51.8	29.5	19.9	16.2	14.6	14.6	14.6	13.9
80°	261.9	173.5	69.9	40.9	23.0	15.9	13.4	12.6	12.4	12.1	11.4
82.5°	99.5	85.6	45.5	29.8	17.7	12.1	10.9	10.1	10.1	9.8	8.6
85°	35.6	33.3	21.0	17.2	10.9	7.6	8.3	7.6	7.3	6.6	5.6
87.5°	7.6	8.3	5.8	3.8	3.8	2.3	2.8	3.0	3.0	2.8	1.5
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)