

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: P157093

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157093
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-SL4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1753.1 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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



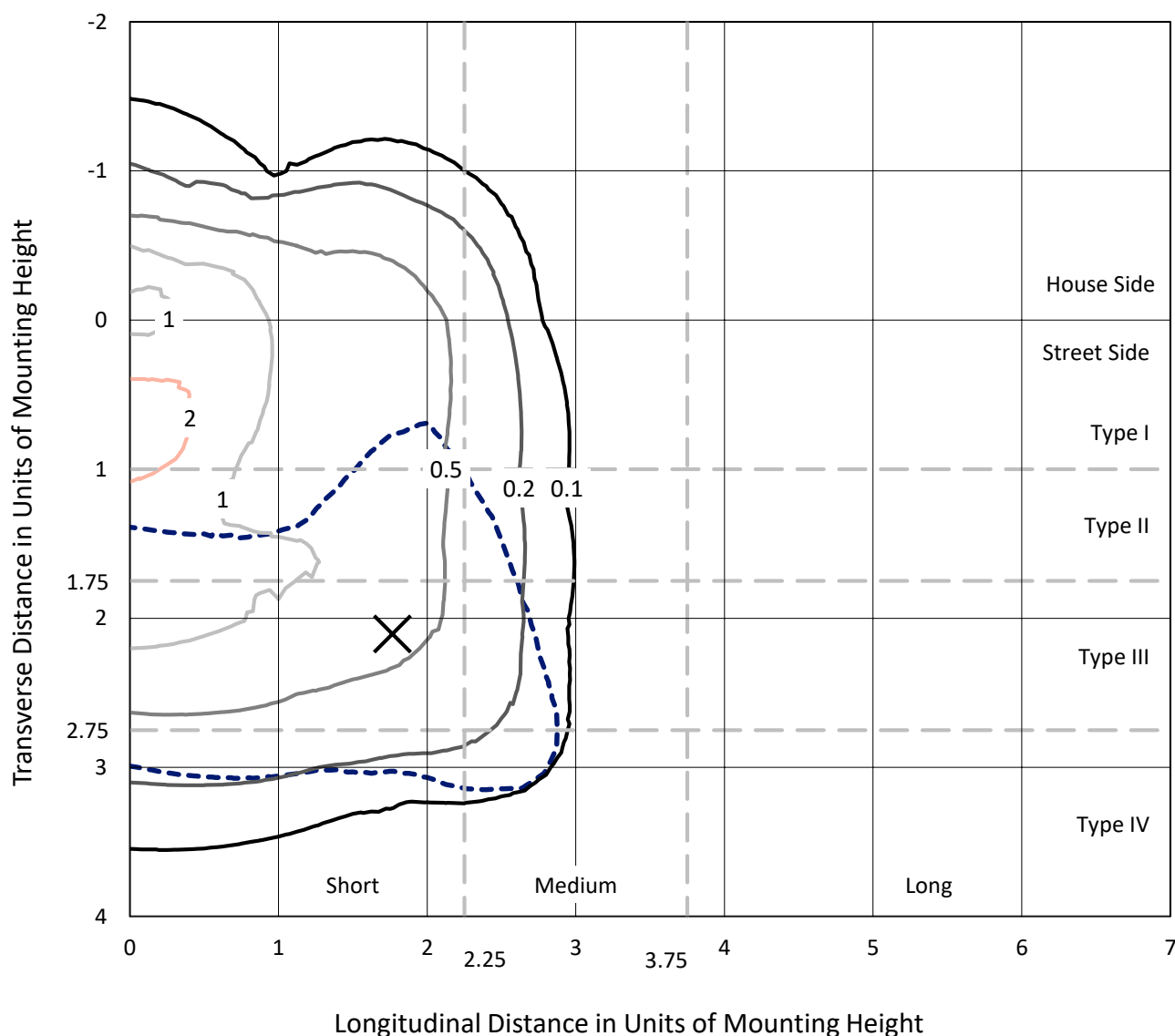
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

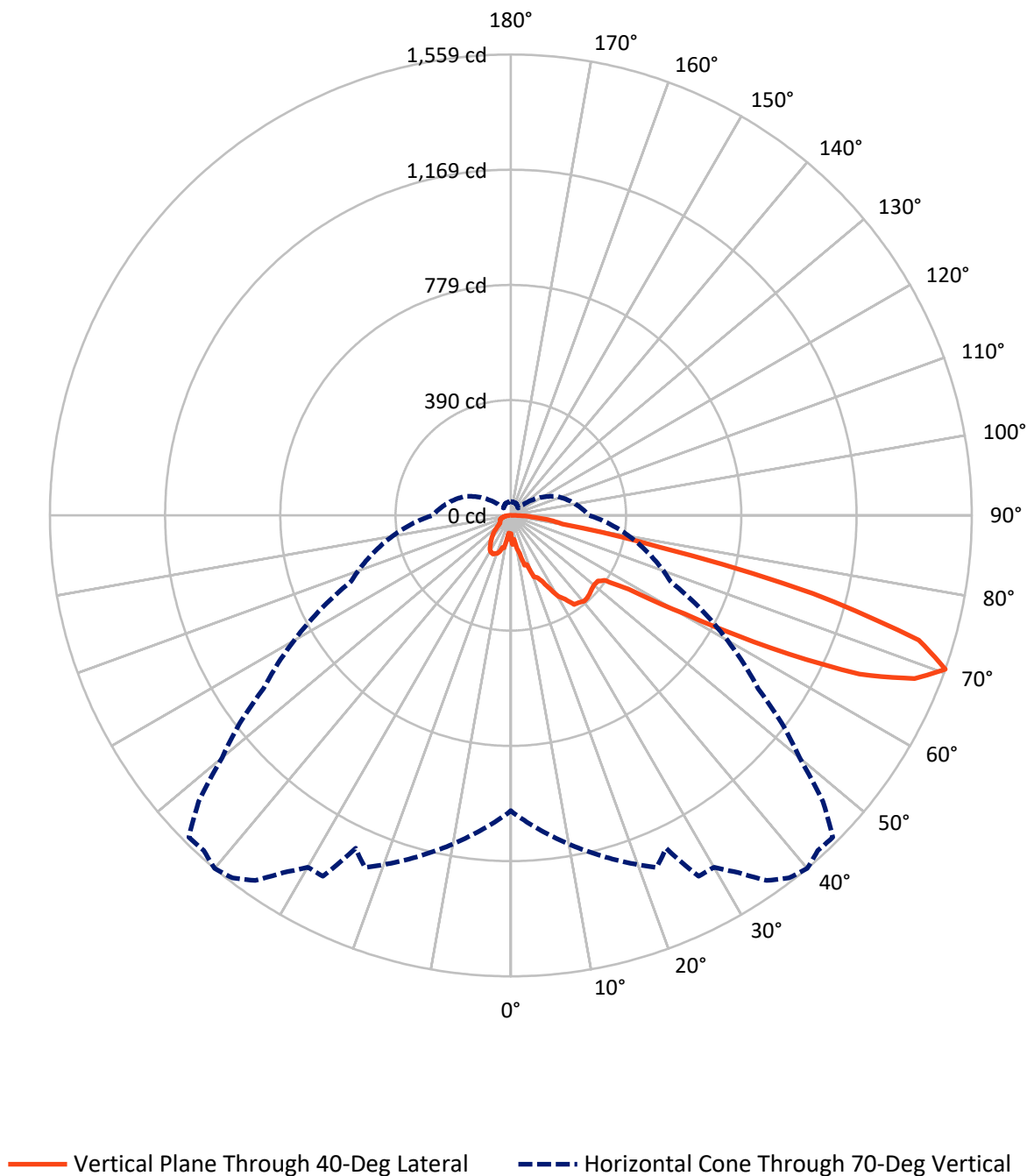


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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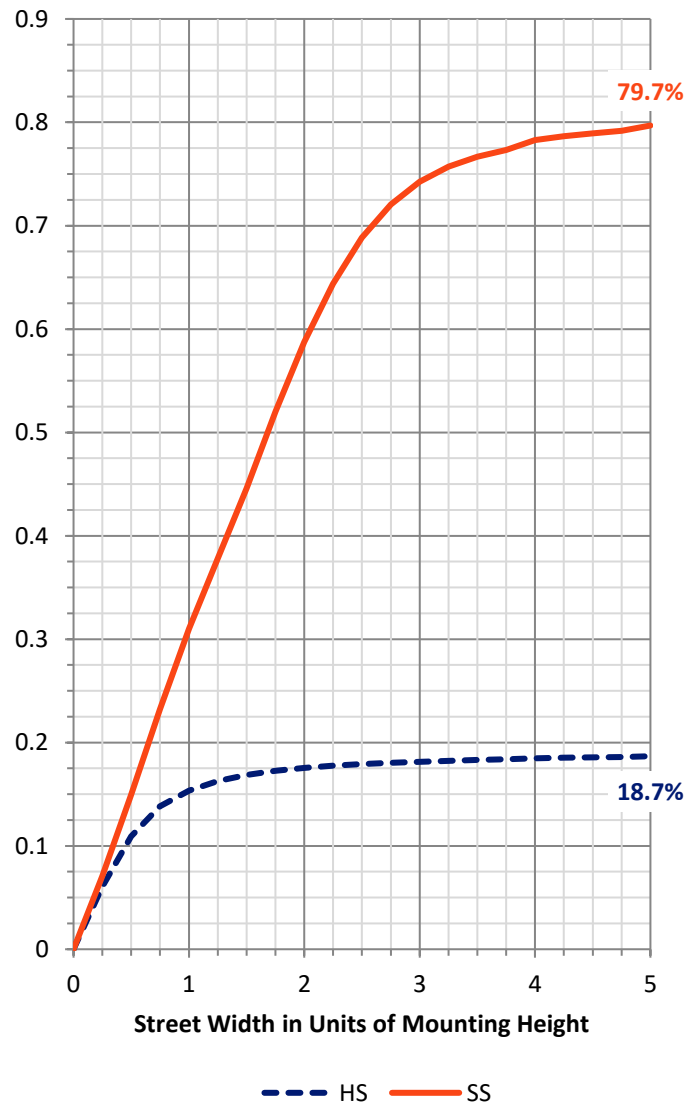
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.2	0.0	332.2
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	1420.9	0.0	1420.9
	% Fixture	81.1	0.0	81.1
Total	Lumens	1753.1	0.0	1753.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.4
10°-20°	39.1	2.2
20°-30°	95.9	5.5
30°-40°	160.6	9.2
40°-50°	203.2	11.6
50°-60°	315.3	18.0
60°-70°	592.6	33.8
70°-80°	292.3	16.7
80°-90°	46.3	2.6
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°	1753.1	100.0
0°-180°	1753.1	100.0

Coefficient of Utilization



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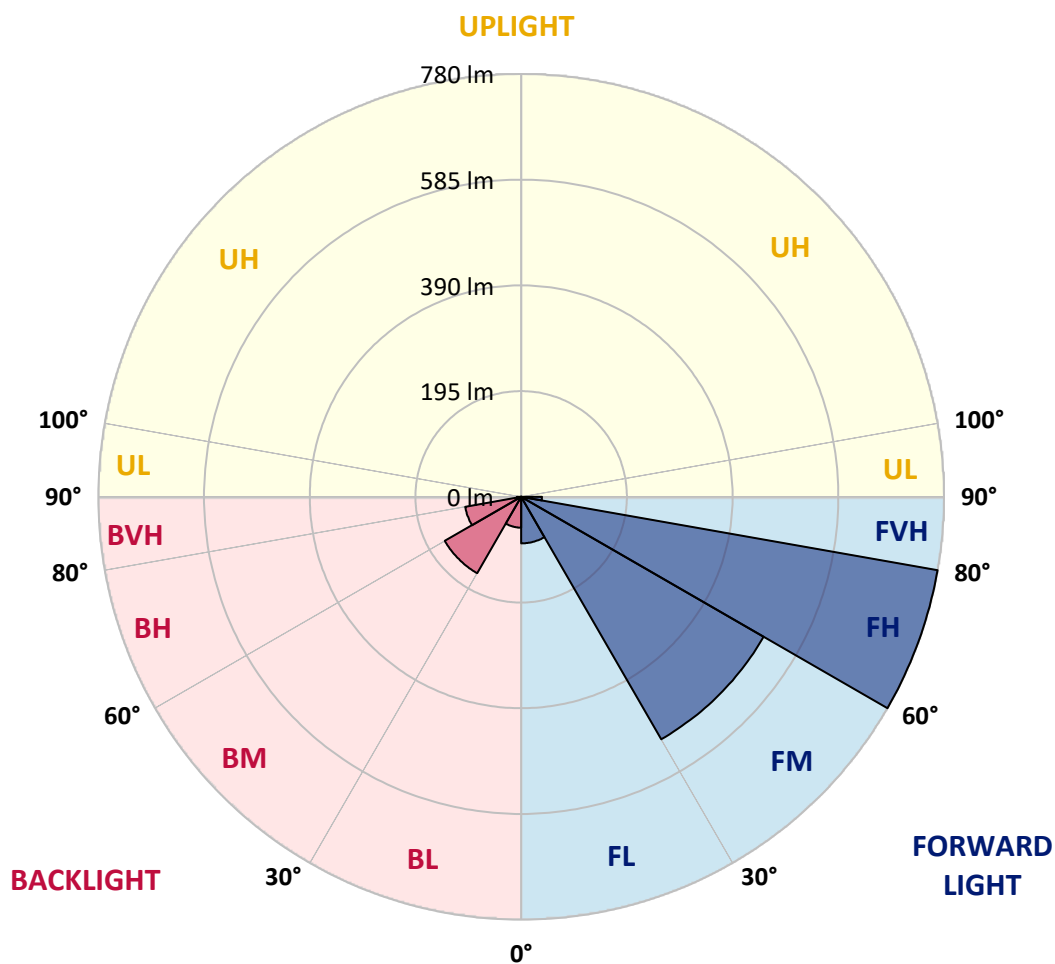
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.9	4.9			
FM	(30°-60°)	516.4	29.5			
FH	(60°-80°)	780.0	44.5			G1/1800
FVH	(80°-90°)	38.5	2.2			G1/100
BL	(0°-30°)	57.0	3.2	B0/110		
BM	(30°-60°)	162.6	9.3	B0/220		
BH	(60°-80°)	104.8	6.0	B0/110		G0/110
BVH	(80°-90°)	7.8	0.4			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	97.9	95.8	97.9	97.5	99.3	98.9	98.9	97.9	97.5	98.6	98.2
5°	82.2	82.6	80.8	79.1	80.1	80.1	80.1	79.4	79.1	80.5	81.5
7.5°	121.9	122.3	121.2	119.5	121.9	119.5	118.4	112.2	101.0	82.6	81.5
10°	123.3	123.0	120.5	119.1	119.5	119.5	118.8	117.7	113.2	113.6	115.7
12.5°	159.9	159.9	154.3	149.8	151.9	147.7	124.4	119.8	117.7	132.4	146.0
15°	170.7	162.0	156.8	149.8	152.2	154.0	177.7	179.4	183.2	174.9	173.5
17.5°	200.0	200.3	192.6	190.9	211.5	202.4	181.8	179.4	182.5	174.5	173.1
20°	236.2	235.5	211.8	243.9	217.7	216.3	211.1	209.0	217.4	221.6	198.6
22.5°	245.6	245.9	258.5	272.1	250.8	242.1	232.7	232.7	231.0	228.2	216.3
25°	301.7	302.4	267.9	285.3	262.0	272.4	267.9	258.5	251.2	246.6	241.4
27.5°	330.3	325.7	313.5	335.1	321.5	310.4	289.8	271.7	279.7	280.1	272.1
30°	377.3	376.9	367.5	366.8	340.4	326.8	330.9	319.5	312.1	318.1	294.4
32.5°	450.1	452.2	390.9	386.0	376.9	375.2	360.2	352.5	336.5	337.6	317.4
35°	532.3	533.0	444.5	413.5	418.7	401.0	376.6	370.3	357.1	369.6	341.1
37.5°	565.1	564.4	490.2	443.8	435.8	411.4	399.9	394.4	378.0	374.1	349.8
40°	618.7	619.0	519.4	457.4	461.6	430.6	420.8	402.7	380.1	381.8	353.6
42.5°	636.5	636.5	528.1	460.5	469.9	442.8	422.9	403.4	383.6	380.1	357.4
45°	643.8	644.1	523.9	463.0	459.5	440.3	417.7	400.3	379.7	375.2	354.3
47.5°	642.7	642.4	516.6	462.3	455.3	432.3	417.7	398.5	375.5	369.6	350.5
50°	635.1	635.8	514.5	458.5	460.5	429.2	418.0	396.4	375.5	366.8	350.1
52.5°	643.1	644.8	523.9	460.2	470.6	440.3	421.9	400.6	381.1	368.9	353.9
55°	820.4	832.9	579.7	490.2	511.1	475.5	444.9	423.3	401.3	387.7	374.8
57.5°	1166.3	1167.4	808.2	619.4	660.9	600.9	545.5	527.1	487.7	469.9	465.1
60°	1297.3	1301.9	1084.5	889.7	975.4	882.4	816.2	780.7	727.4	675.5	664.3
62.5°	1375.4	1378.5	1232.5	1070.2	1188.3	1127.3	1089.3	1084.8	1031.9	988.0	965.0
65°	1428.0	1428.3	1337.7	1187.2	1316.1	1261.8	1270.1	1314.4	1301.9	1294.9	1265.6
67.5°	1368.7	1371.2	1391.4	1279.6	1406.0	1371.9	1414.4	1464.5	1469.4	1473.2	1442.9
70°	998.1	1003.6	1289.3	1241.9	1375.7	1374.0	1432.1	1507.0	1545.7	1558.9	1537.3
72.5°	632.6	627.8	853.2	912.4	1005.7	1090.7	1200.5	1319.3	1418.9	1443.3	1424.8
75°	442.4	441.0	460.2	469.9	546.9	568.2	680.0	856.6	984.8	1055.6	1058.7
77.5°	280.8	280.8	277.6	262.3	271.4	262.7	268.2	307.3	379.4	517.0	545.5
80°	232.0	232.4	206.2	189.9	200.0	197.9	188.1	183.9	179.1	176.6	189.9
82.5°	156.4	154.0	174.9	160.9	166.2	164.1	160.2	155.7	148.8	135.9	124.4
85°	115.0	113.2	106.9	96.1	102.1	101.0	98.9	94.1	90.6	79.8	73.2
87.5°	86.4	85.7	78.0	62.7	66.2	62.0	56.1	50.2	46.0	39.4	34.5
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	98.2	98.2	98.2	96.1	93.7	69.3	60.3	59.6	61.3	85.7	95.1
5°	80.5	79.1	78.7	78.7	79.4	93.7	58.9	60.3	85.0	59.6	59.2
7.5°	80.5	79.1	78.4	77.3	77.3	73.2	57.5	82.6	57.5	66.9	95.1
10°	115.7	112.2	111.5	112.9	110.1	105.6	84.0	87.8	80.1	94.8	95.1
12.5°	145.6	145.6	144.9	148.4	146.7	103.5	92.0	85.0	116.0	100.0	127.2
15°	156.8	145.3	147.7	147.0	143.9	150.1	113.6	107.3	110.1	116.4	122.6
17.5°	178.4	190.9	198.2	189.2	165.5	157.1	136.9	109.7	125.8	132.7	149.1
20°	192.0	190.2	195.4	187.4	177.3	180.5	164.1	159.6	136.9	131.7	136.9
22.5°	210.1	212.2	222.6	210.1	205.5	207.3	186.4	163.7	133.4	157.8	149.4
25°	233.1	240.7	246.3	240.0	223.0	244.9	208.3	193.7	144.6	140.0	151.9
27.5°	267.5	267.9	265.5	257.8	253.6	256.1	233.4	184.3	144.6	133.8	131.3
30°	287.1	290.2	301.0	282.9	277.0	278.3	236.5	199.3	146.0	117.1	123.7
32.5°	325.7	315.6	309.4	287.8	300.3	279.4	263.0	208.3	140.0	109.0	109.7
35°	333.7	330.9	334.4	303.8	305.2	303.8	255.0	212.2	129.6	95.5	86.7
37.5°	350.8	342.4	337.2	319.8	324.7	296.8	255.7	210.1	122.3	78.7	70.4
40°	353.6	354.6	351.2	322.6	327.5	288.4	250.1	206.2	114.3	63.8	64.8
42.5°	361.3	353.6	347.3	322.6	328.2	285.0	254.7	203.1	103.1	55.0	60.6
45°	358.1	350.8	343.8	321.9	325.0	285.7	259.5	200.3	91.6	51.6	60.6
47.5°	354.3	348.0	339.3	323.3	324.7	291.6	268.9	198.9	77.7	51.2	61.0
50°	355.3	348.4	340.0	327.8	327.5	296.5	278.7	206.2	62.7	51.6	60.3
52.5°	359.5	351.9	342.4	333.0	332.0	318.1	330.6	212.9	50.9	51.6	59.2
55°	384.9	376.2	371.4	374.1	373.1	413.5	481.1	220.2	43.9	51.2	57.8
57.5°	490.2	484.2	487.7	508.6	513.5	580.0	619.4	229.9	41.1	50.5	56.4
60°	702.7	707.5	695.0	714.2	704.1	700.6	680.4	248.7	39.4	49.5	55.0
62.5°	980.7	964.3	919.7	915.9	878.6	768.5	688.4	253.6	38.3	48.4	53.3
65°	1266.0	1200.8	1109.6	1074.7	1008.5	803.0	649.7	235.8	37.6	47.7	50.9
67.5°	1455.1	1370.1	1245.1	1171.6	1072.3	768.2	500.3	204.1	36.6	46.3	48.1
70°	1539.8	1431.4	1274.7	1156.2	1021.4	585.3	264.8	167.6	34.8	44.2	46.7
72.5°	1420.3	1315.8	1126.3	979.6	794.6	363.0	134.8	119.8	32.4	40.8	46.3
75°	1013.1	897.0	702.0	571.0	428.8	164.8	76.3	56.8	28.9	36.9	45.6
77.5°	506.9	406.5	284.3	225.0	176.6	85.4	33.8	28.2	25.1	32.7	38.3
80°	179.8	166.2	151.5	144.2	124.4	45.6	23.7	22.6	21.9	27.2	27.9
82.5°	118.8	110.8	101.7	95.5	76.6	31.7	18.5	19.5	18.1	22.3	19.2
85°	68.3	64.8	57.8	50.9	41.5	24.0	15.7	16.7	12.5	17.1	12.2
87.5°	32.0	30.3	28.6	26.5	23.7	17.4	8.7	15.7	8.0	10.8	6.3
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)