

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: P157094

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157094
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-SL4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1897.2 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - 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



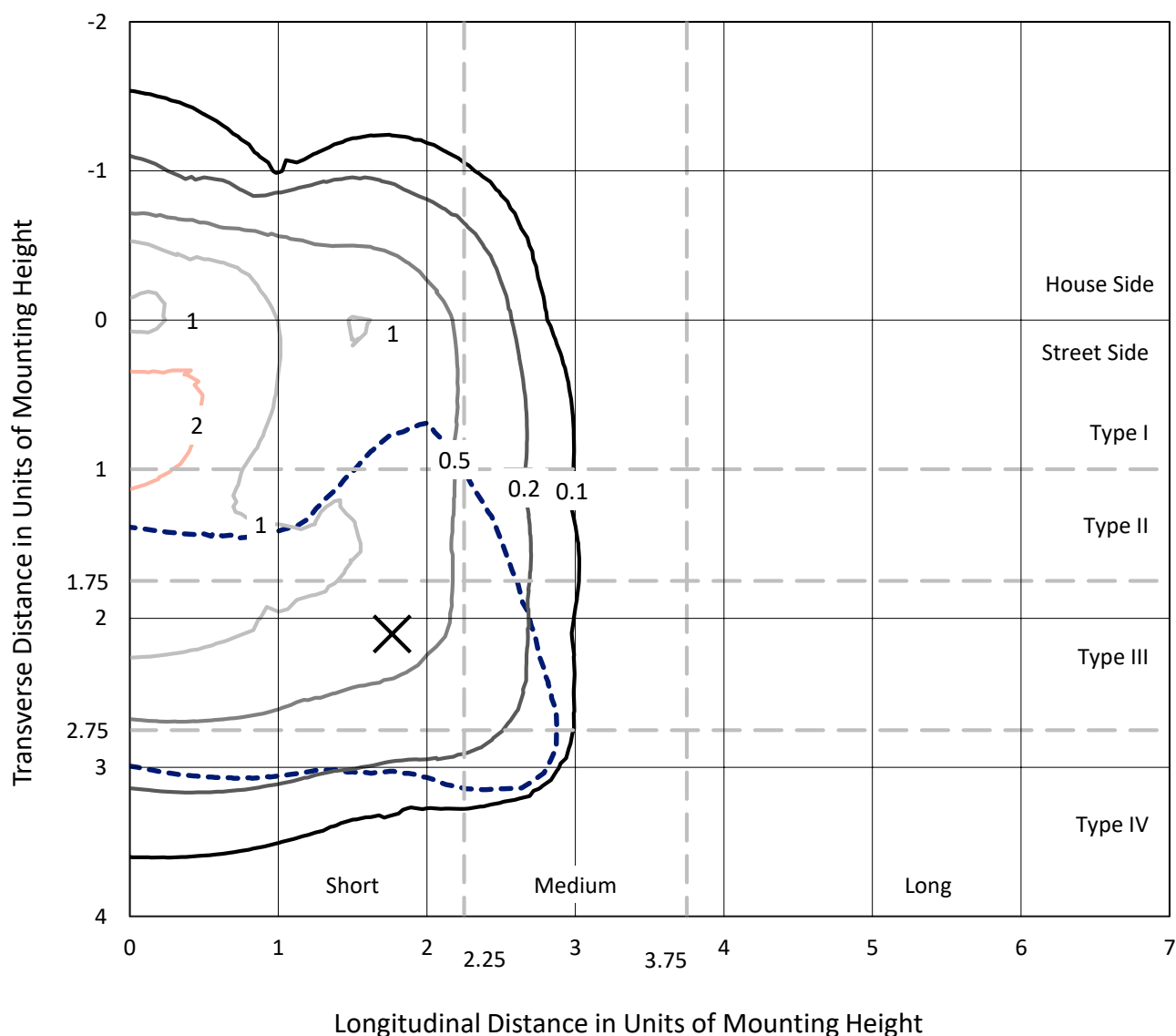
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

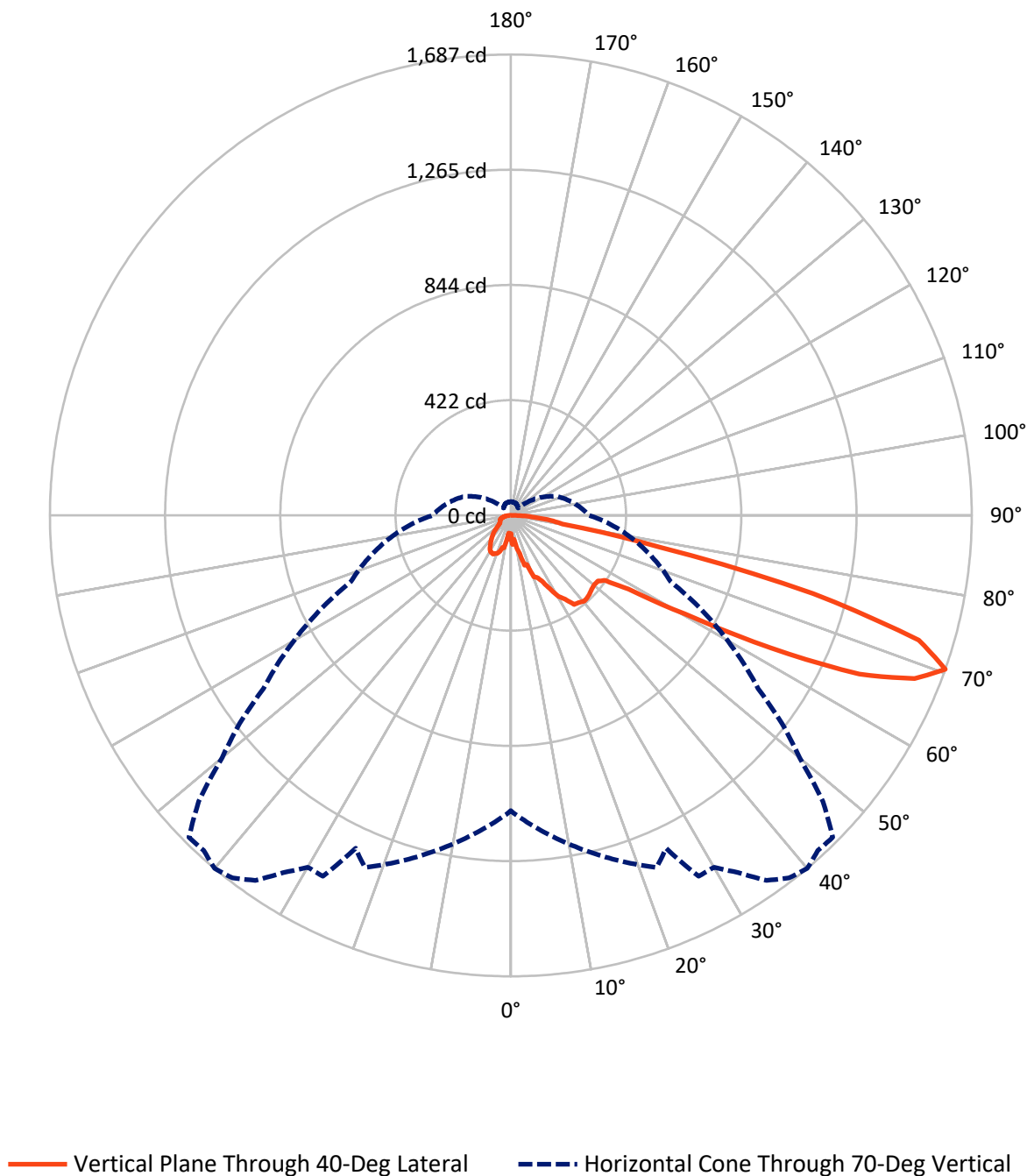


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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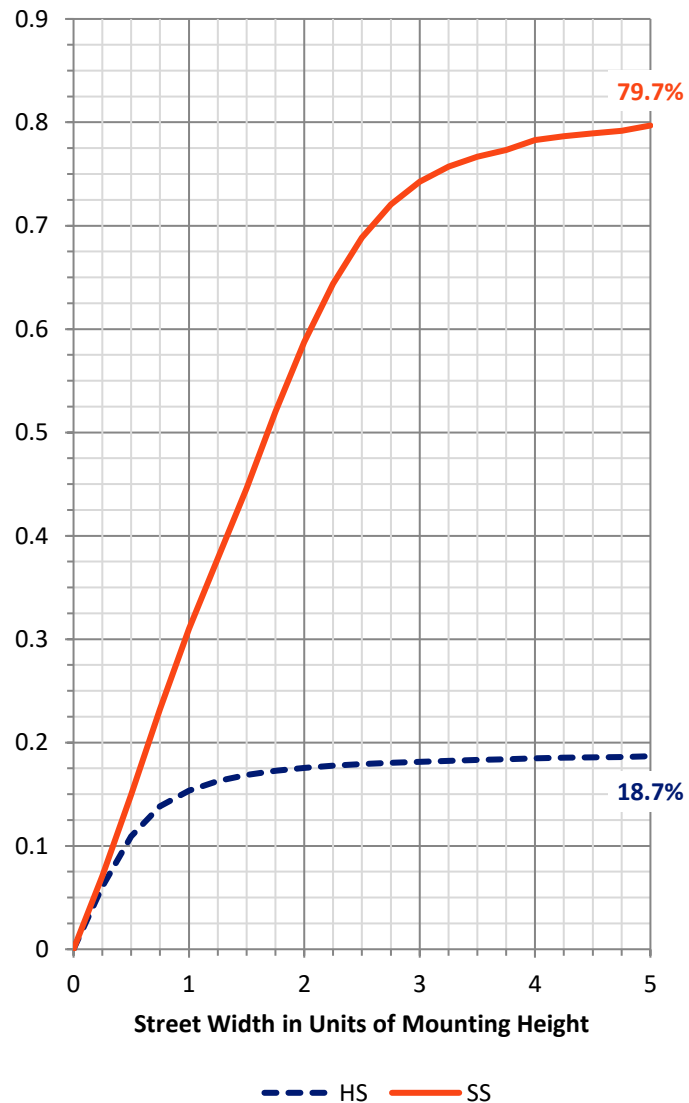
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	359.5	0.0	359.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	1537.7	0.0	1537.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	1897.2	0.0	1897.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.4
10°-20°	42.3	2.2
20°-30°	103.8	5.5
30°-40°	173.7	9.2
40°-50°	219.9	11.6
50°-60°	341.2	18.0
60°-70°	641.3	33.8
70°-80°	316.3	16.7
80°-90°	50.1	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°	1897.2	100.0
0°-180°	1897.2	100.0

Coefficient of Utilization



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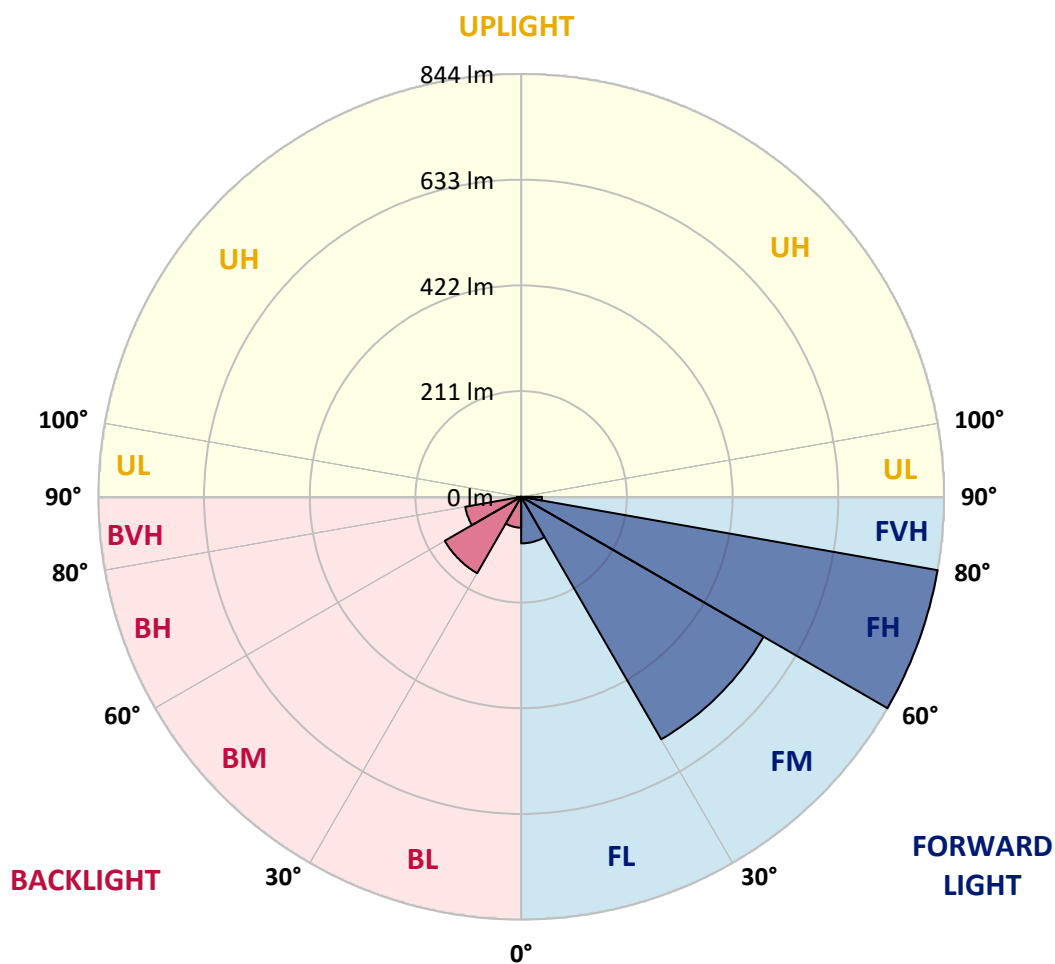
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.0	4.9			
FM	(30°-60°)	558.9	29.5			
FH	(60°-80°)	844.1	44.5			G1/1800
FVH	(80°-90°)	41.7	2.2			G1/100
BL	(0°-30°)	61.6	3.2	B0/110		
BM	(30°-60°)	176.0	9.3	B0/220		
BH	(60°-80°)	113.4	6.0	B1/500		G1/500
BVH	(80°-90°)	8.5	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 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°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	105.9	103.7	105.9	105.6	107.4	107.1	107.1	105.9	105.6	106.7	106.3
5°	89.0	89.3	87.5	85.6	86.7	86.7	86.7	86.0	85.6	87.1	88.2
7.5°	131.9	132.3	131.2	129.3	131.9	129.3	128.2	121.4	109.3	89.3	88.2
10°	133.5	133.1	130.4	128.9	129.3	129.3	128.6	127.4	122.5	122.9	125.2
12.5°	173.0	173.0	167.0	162.1	164.4	159.8	134.6	129.7	127.4	143.3	158.0
15°	184.7	175.3	169.6	162.1	164.7	166.6	192.3	194.2	198.3	189.3	187.7
17.5°	216.4	216.8	208.5	206.6	228.8	219.0	196.8	194.2	197.5	188.9	187.4
20°	255.6	254.8	229.2	263.9	235.6	234.1	228.5	226.2	235.2	239.8	214.9
22.5°	265.8	266.2	279.7	294.4	271.4	262.0	251.8	251.8	249.9	246.9	234.1
25°	326.5	327.2	289.9	308.8	283.5	294.8	289.9	279.7	271.8	266.9	261.3
27.5°	357.4	352.5	339.3	362.7	348.0	335.9	313.7	294.1	302.7	303.1	294.4
30°	408.3	407.9	397.7	397.0	368.3	353.6	358.1	345.7	337.8	344.2	318.6
32.5°	487.1	489.3	423.0	417.7	407.9	406.0	389.8	381.5	364.2	365.3	343.4
35°	576.1	576.8	481.0	447.5	453.2	433.9	407.5	400.7	386.4	400.0	369.1
37.5°	611.5	610.7	530.4	480.3	471.6	445.2	432.8	426.8	409.0	404.9	378.5
40°	669.5	669.9	562.1	495.0	499.5	466.0	455.4	435.8	411.3	413.2	382.7
42.5°	688.8	688.8	571.5	498.4	508.6	479.2	457.7	436.6	415.1	411.3	386.8
45°	696.7	697.1	567.0	501.0	497.3	476.5	452.0	433.2	410.9	406.0	383.4
47.5°	695.6	695.2	559.1	500.3	492.7	467.9	452.0	431.3	406.4	400.0	379.3
50°	687.3	688.0	556.8	496.1	498.4	464.5	452.4	429.0	406.4	397.0	378.9
52.5°	695.9	697.8	567.0	498.0	509.3	476.5	456.5	433.5	412.4	399.2	383.0
55°	887.8	901.4	627.3	530.4	553.1	514.6	481.4	458.1	434.3	419.6	405.6
57.5°	1262.2	1263.3	874.6	670.3	715.2	650.3	590.4	570.4	527.8	508.6	503.3
60°	1403.9	1408.8	1173.6	962.8	1055.6	954.9	883.3	844.8	787.2	731.0	718.9
62.5°	1488.4	1491.8	1333.8	1158.1	1285.9	1220.0	1178.9	1174.0	1116.7	1069.2	1044.3
65°	1545.3	1545.7	1447.7	1284.8	1424.3	1365.5	1374.5	1422.4	1408.8	1401.3	1369.6
67.5°	1481.2	1483.9	1505.7	1384.7	1521.6	1484.6	1530.6	1584.9	1590.2	1594.3	1561.5
70°	1080.1	1086.1	1395.3	1344.0	1488.8	1486.9	1549.8	1630.9	1672.7	1687.1	1663.7
72.5°	684.6	679.3	923.3	987.4	1088.4	1180.4	1299.1	1427.7	1535.5	1561.9	1541.9
75°	478.8	477.3	498.0	508.6	591.9	614.9	735.9	927.0	1065.8	1142.3	1145.7
77.5°	303.9	303.9	300.5	283.9	293.7	284.3	290.3	332.5	410.5	559.5	590.4
80°	251.1	251.5	223.2	205.5	216.4	214.1	203.6	199.1	193.8	191.1	205.5
82.5°	169.3	166.6	189.3	174.2	179.8	177.6	173.4	168.5	161.0	147.0	134.6
85°	124.4	122.5	115.7	104.1	110.5	109.3	107.1	101.8	98.0	86.3	79.2
87.5°	93.5	92.7	84.4	67.9	71.6	67.1	60.7	54.3	49.8	42.6	37.3
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	106.3	106.3	106.3	104.1	101.4	75.0	65.2	64.5	66.4	92.7	102.9
5°	87.1	85.6	85.2	85.2	86.0	101.4	63.7	65.2	92.0	64.5	64.1
7.5°	87.1	85.6	84.8	83.7	83.7	79.2	62.2	89.3	62.2	72.4	102.9
10°	125.2	121.4	120.6	122.1	119.1	114.2	90.9	95.0	86.7	102.5	102.9
12.5°	157.6	157.6	156.8	160.6	158.7	112.0	99.5	92.0	125.5	108.2	137.6
15°	169.6	157.2	159.8	159.1	155.7	162.5	122.9	116.1	119.1	125.9	132.7
17.5°	193.0	206.6	214.5	204.7	179.1	170.0	148.2	118.8	136.1	143.6	161.4
20°	207.7	205.8	211.5	202.8	191.9	195.3	177.6	172.7	148.2	142.5	148.2
22.5°	227.3	229.6	240.9	227.3	222.4	224.3	201.7	177.2	144.4	170.8	161.7
25°	252.2	260.5	266.5	259.8	241.3	265.0	225.4	209.6	156.5	151.6	164.4
27.5°	289.5	289.9	287.3	279.0	274.5	277.1	252.6	199.4	156.5	144.8	142.1
30°	310.6	314.0	325.7	306.1	299.7	301.2	256.0	215.6	158.0	126.7	133.8
32.5°	352.5	341.6	334.8	311.4	325.0	302.4	284.6	225.4	151.6	118.0	118.8
35°	361.2	358.1	361.9	328.7	330.2	328.7	276.0	229.6	140.2	103.3	93.9
37.5°	379.6	370.6	364.9	346.1	351.4	321.2	276.7	227.3	132.3	85.2	76.2
40°	382.7	383.8	380.0	349.1	354.4	312.2	270.7	223.2	123.7	69.0	70.1
42.5°	390.9	382.7	375.9	349.1	355.1	308.4	275.6	219.8	111.6	59.6	65.6
45°	387.6	379.6	372.1	348.3	351.7	309.1	280.9	216.8	99.2	55.8	65.6
47.5°	383.4	376.6	367.2	349.9	351.4	315.5	291.0	215.3	84.1	55.4	66.0
50°	384.5	377.0	367.9	354.8	354.4	320.8	301.6	223.2	67.9	55.8	65.2
52.5°	389.1	380.8	370.6	360.4	359.3	344.2	357.8	230.3	55.0	55.8	64.1
55°	416.6	407.2	401.9	404.9	403.8	447.5	520.6	238.3	47.5	55.4	62.6
57.5°	530.4	524.0	527.8	550.4	555.7	627.7	670.3	248.8	44.5	54.7	61.1
60°	760.4	765.7	752.1	772.8	761.9	758.1	736.3	269.2	42.6	53.5	59.6
62.5°	1061.2	1043.5	995.3	991.1	950.8	831.7	744.9	274.5	41.5	52.4	57.7
65°	1370.0	1299.5	1200.7	1163.0	1091.4	869.0	703.1	255.2	40.7	51.6	55.0
67.5°	1574.7	1482.7	1347.4	1267.8	1160.4	831.3	541.4	220.9	39.6	50.1	52.0
70°	1666.3	1549.1	1379.4	1251.3	1105.4	633.4	286.5	181.3	37.7	47.9	50.5
72.5°	1537.0	1423.9	1218.8	1060.1	859.9	392.8	145.9	129.7	35.1	44.1	50.1
75°	1096.3	970.8	759.6	617.9	464.1	178.3	82.6	61.5	31.3	40.0	49.4
77.5°	548.5	440.0	307.6	243.5	191.1	92.4	36.6	30.5	27.1	35.4	41.5
80°	194.5	179.8	164.0	156.1	134.6	49.4	25.6	24.5	23.8	29.4	30.2
82.5°	128.6	119.9	110.1	103.3	82.9	34.3	20.0	21.1	19.6	24.1	20.7
85°	73.9	70.1	62.6	55.0	44.9	26.0	17.0	18.1	13.6	18.5	13.2
87.5°	34.7	32.8	30.9	28.7	25.6	18.8	9.4	17.0	8.7	11.7	6.8
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)