

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: P156943

Luminaire Tested: **UTLD-F01-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156943
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
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-5WQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1968.6 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - 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



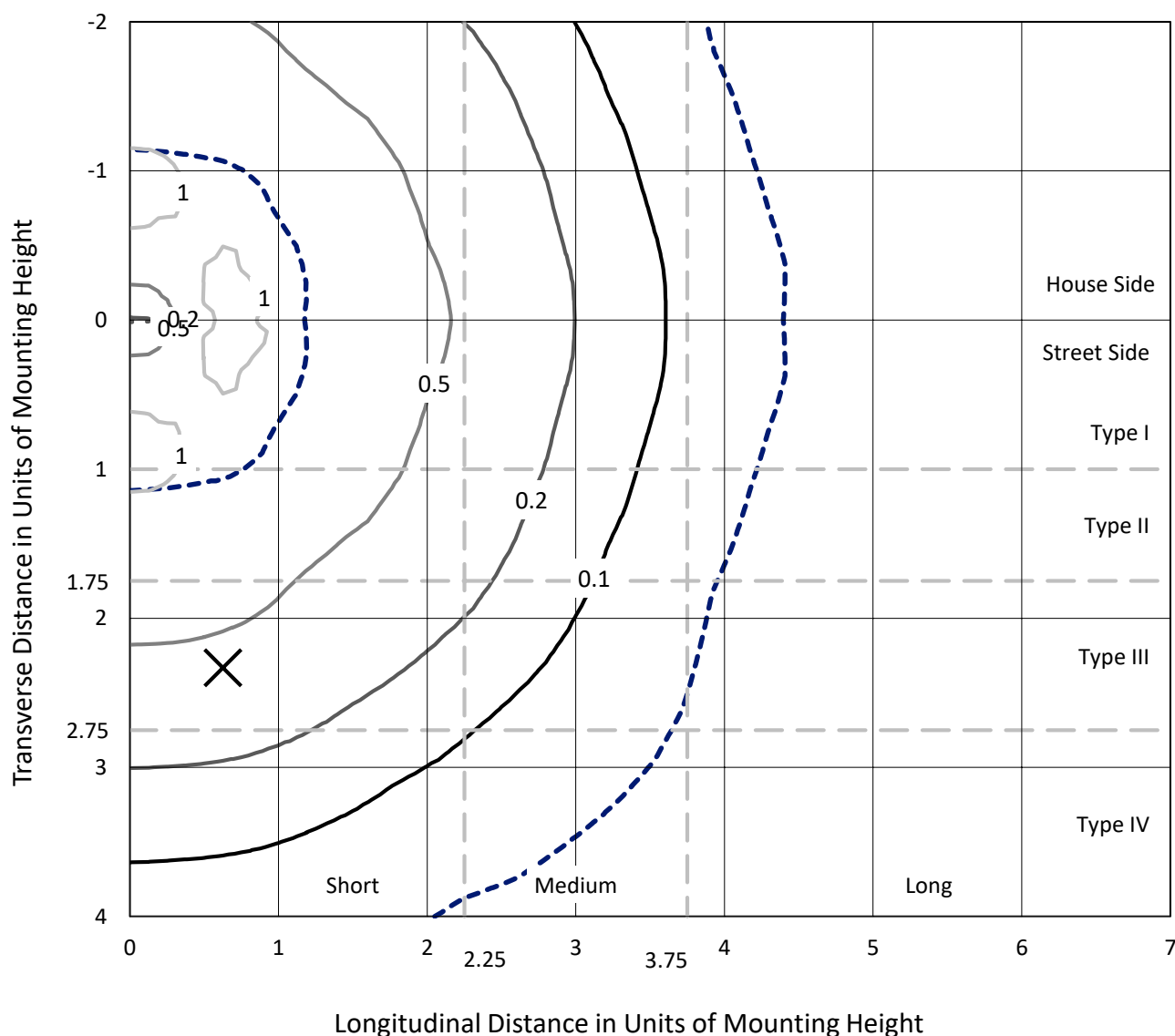
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

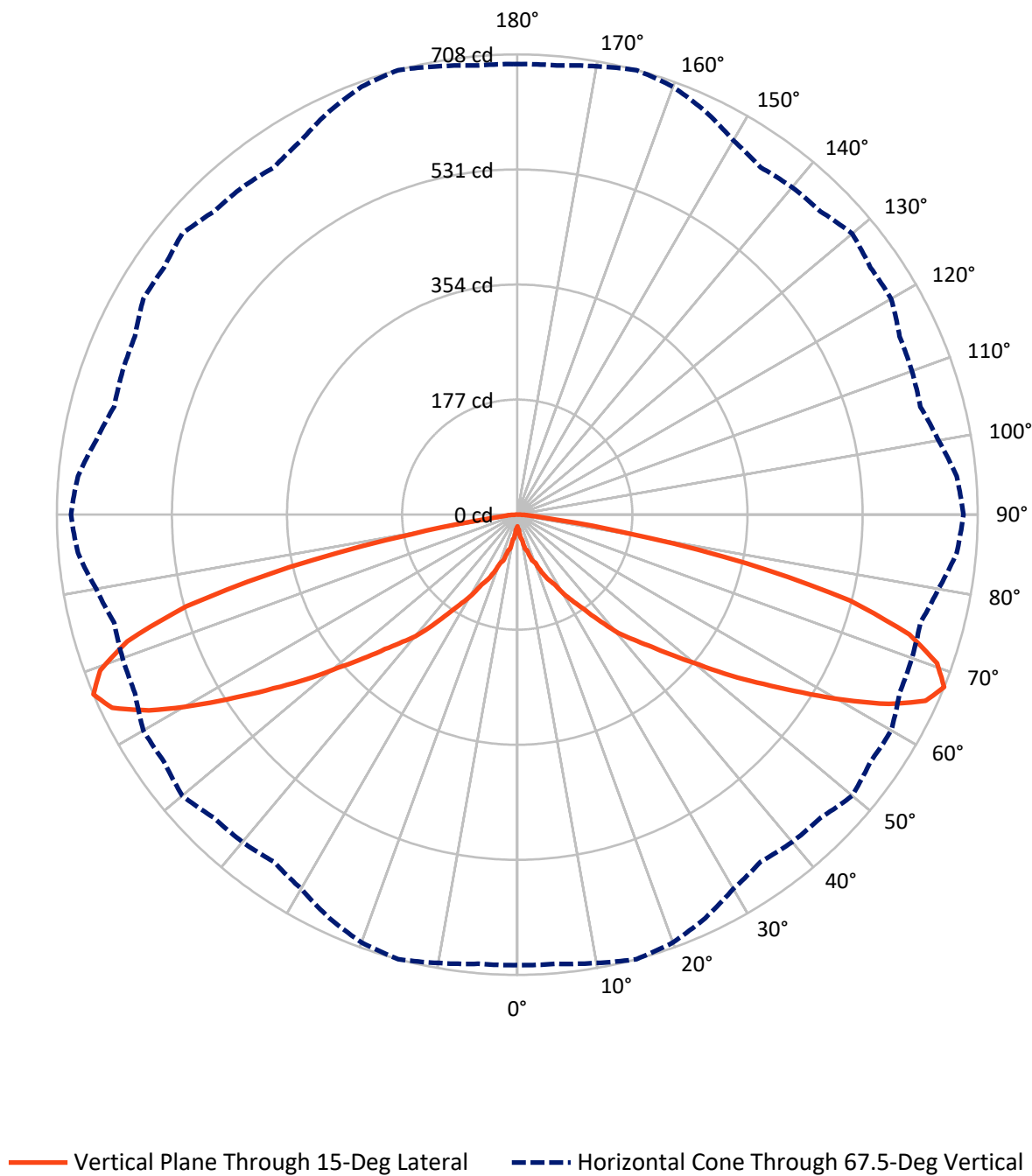


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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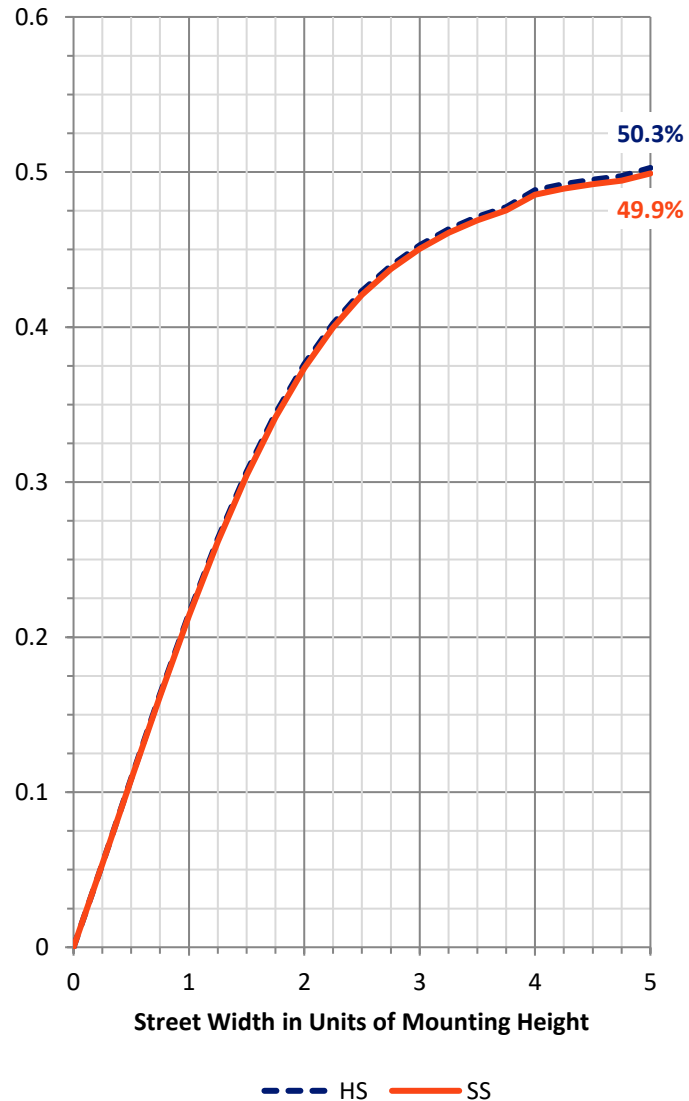
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.3	0.0	984.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	984.3	0.0	984.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	1968.6	0.0	1968.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	16.3	0.8
20°-30°	53.9	2.7
30°-40°	116.5	5.9
40°-50°	218.0	11.1
50°-60°	395.4	20.1
60°-70°	625.5	31.8
70°-80°	491.8	25.0
80°-90°	48.6	2.5
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°	1968.6	100.0
0°-180°	1968.6	100.0

Coefficient of Utilization



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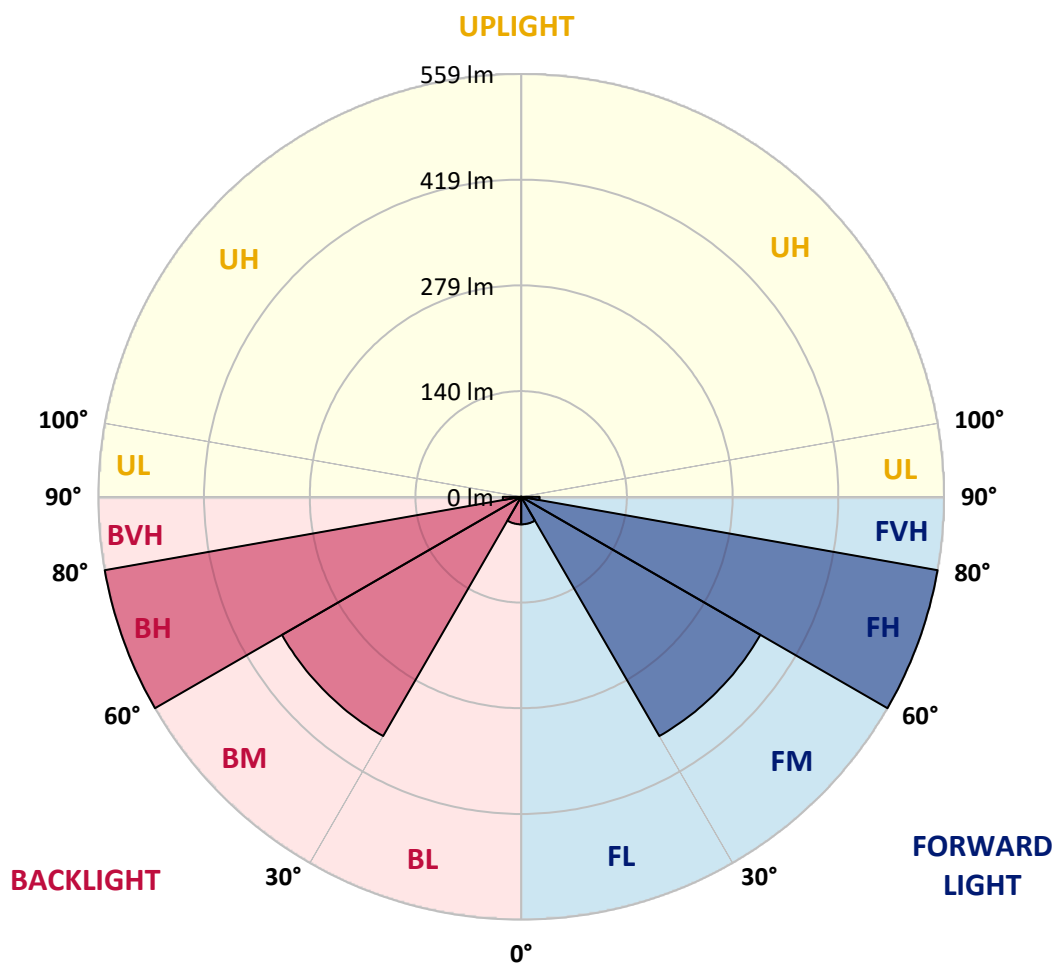
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	36.4	1.8			
FM	(30°-60°)	365.0	18.5			
FH	(60°-80°)	558.7	28.4			G0/660
FVH	(80°-90°)	24.3	1.2			G1/100
BL	(0°-30°)	36.4	1.8	B0/110		
BM	(30°-60°)	365.0	18.5	B1/1000		
BH	(60°-80°)	558.7	28.4	B2/1000		G0/660
BVH	(80°-90°)	24.3	1.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
2.5°	28.4	28.3	28.3	28.3	28.7	27.8	26.5	25.5	24.9	24.8	24.2
5°	22.5	22.4	22.4	22.5	22.4	22.7	22.6	23.2	23.1	24.6	26.8
7.5°	36.1	36.2	36.2	35.7	34.8	32.3	30.4	28.8	24.2	23.6	22.9
10°	39.0	39.0	39.0	38.4	38.5	38.5	38.1	37.4	36.9	35.8	30.4
12.5°	54.0	54.2	54.2	53.9	52.8	47.6	46.1	41.0	40.0	46.8	48.2
15°	58.4	58.6	58.4	57.5	57.2	56.5	55.6	59.8	61.1	55.8	51.8
17.5°	74.7	75.0	74.6	74.0	72.6	68.0	69.4	68.1	67.3	66.2	70.0
20°	86.1	86.6	82.6	79.2	77.0	80.5	84.7	82.9	78.3	78.8	81.1
22.5°	98.2	98.2	97.9	96.1	96.1	100.6	93.0	91.5	97.1	90.4	87.9
25°	118.6	118.1	117.0	110.0	107.8	107.2	105.7	108.9	104.5	113.4	118.6
27.5°	126.1	125.6	123.0	120.8	126.4	124.6	122.4	114.2	131.4	123.0	125.8
30°	145.6	145.6	143.3	141.9	143.2	134.9	132.1	141.9	139.1	140.2	152.8
32.5°	171.0	171.2	168.3	160.0	152.4	153.9	152.6	153.3	157.6	156.5	163.8
35°	199.0	192.0	187.2	181.0	176.7	174.8	172.3	166.8	173.1	171.7	179.3
37.5°	215.4	216.2	212.2	208.6	205.8	193.6	188.4	190.6	190.8	187.2	200.4
40°	249.2	249.6	243.8	239.6	235.1	219.6	211.2	209.1	209.6	210.2	219.4
42.5°	271.6	271.5	267.0	263.2	255.3	245.2	236.6	232.4	233.3	232.3	242.2
45°	297.8	298.4	294.8	290.0	281.6	275.7	263.1	260.2	260.5	258.8	269.8
47.5°	331.3	331.2	329.8	324.5	317.6	307.5	298.6	291.3	292.1	291.1	302.5
50°	370.5	370.5	369.6	362.9	358.8	348.1	336.7	327.6	327.2	327.3	340.3
52.5°	414.2	414.7	416.0	411.4	405.2	390.4	376.8	367.3	366.8	367.7	383.0
55°	463.0	465.4	465.0	459.9	456.0	439.4	421.2	412.2	409.8	411.7	426.8
57.5°	517.7	518.9	520.3	516.2	506.7	491.8	467.0	459.7	455.7	459.6	475.5
60°	578.3	581.2	580.8	578.9	568.0	551.7	517.8	510.8	508.6	510.4	528.0
62.5°	642.0	642.1	645.8	641.6	631.2	615.0	576.5	564.2	560.9	562.5	581.3
65°	686.7	687.2	691.2	690.3	682.3	664.8	636.5	615.9	616.3	618.3	635.7
67.5°	693.1	693.7	700.4	708.1	700.5	684.6	664.7	652.2	657.6	659.6	672.6
70°	667.1	668.4	676.4	684.8	683.2	671.1	653.4	649.0	654.3	658.8	671.0
72.5°	616.2	617.0	622.9	630.5	624.4	613.9	593.6	600.9	600.2	606.0	618.1
75°	523.0	520.6	526.7	528.6	518.3	507.4	490.7	502.6	497.5	502.4	508.6
77.5°	351.5	349.0	351.4	360.0	352.7	351.7	347.4	360.6	362.8	366.0	366.4
80°	135.8	140.6	153.0	166.6	170.5	180.9	189.2	204.5	214.7	223.0	218.8
82.5°	26.8	29.4	35.6	43.2	51.7	62.2	74.8	87.8	100.4	107.0	101.8
85°	9.8	11.8	14.9	17.5	18.5	19.8	22.2	26.7	31.2	32.0	32.4
87.5°	2.6	4.5	8.4	11.4	11.5	10.4	11.0	11.5	10.1	8.0	10.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
2.5°	23.5	21.8	20.0	19.1	18.8	18.4	18.1	18.0
5°	27.2	28.2	27.0	24.8	21.8	20.0	18.8	18.4
7.5°	23.2	23.2	26.8	28.0	24.8	22.2	19.6	19.2
10°	26.1	28.6	31.2	34.1	38.5	34.8	29.3	28.4
12.5°	47.5	40.3	34.6	34.6	39.2	39.6	31.8	30.8
15°	50.4	50.7	53.0	48.1	47.1	51.1	45.6	43.9
17.5°	63.8	63.0	61.4	54.2	50.5	51.8	52.4	50.6
20°	74.2	70.5	87.7	89.4	81.6	81.9	80.6	79.1
22.5°	102.3	103.1	96.8	96.6	90.8	101.0	111.2	106.8
25°	108.1	113.7	132.6	129.6	125.9	120.6	123.3	117.0
27.5°	140.8	137.2	140.9	137.2	147.1	142.2	139.2	137.8
30°	147.9	154.2	158.0	155.1	155.8	155.1	150.0	152.6
32.5°	169.2	166.2	172.0	176.7	179.9	180.6	172.0	177.0
35°	183.2	190.6	190.0	188.4	189.8	192.6	188.1	188.3
37.5°	202.8	204.6	203.1	202.7	203.4	205.0	205.7	203.1
40°	220.6	221.9	220.8	222.4	223.6	224.2	230.2	221.0
42.5°	245.7	243.8	245.4	247.5	247.1	247.0	252.4	247.5
45°	273.9	273.5	272.2	273.6	277.0	271.9	280.5	279.0
47.5°	306.6	306.7	304.4	305.7	311.2	307.4	314.8	317.2
50°	344.7	345.6	339.4	342.9	344.3	345.2	352.4	358.8
52.5°	387.3	388.2	379.5	381.4	380.4	387.0	395.0	405.0
55°	433.6	432.2	421.3	424.9	425.4	436.8	441.6	458.1
57.5°	479.8	479.4	471.8	471.8	478.5	490.4	494.5	513.0
60°	530.7	530.8	521.5	523.6	529.8	541.5	557.0	572.4
62.5°	583.2	587.2	579.2	573.2	579.9	595.0	618.3	630.2
65°	630.4	638.3	625.4	625.2	617.5	642.2	660.3	675.0
67.5°	663.0	664.0	648.8	645.9	641.8	657.7	678.3	686.3
70°	662.9	652.3	637.5	635.4	628.3	634.6	659.4	664.2
72.5°	610.2	598.8	578.6	582.0	574.1	582.8	602.5	604.8
75°	500.6	485.2	471.4	477.0	472.6	488.4	505.4	501.6
77.5°	357.0	338.0	320.1	319.9	320.3	324.2	336.0	330.6
80°	206.0	187.9	170.6	159.8	148.8	140.0	134.7	127.8
82.5°	90.7	73.0	59.7	48.1	40.8	33.0	29.0	24.9
85°	28.7	23.4	20.0	18.3	16.8	15.7	13.6	11.6
87.5°	12.9	12.6	11.8	12.1	12.2	10.5	7.3	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)