

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: P156938

Luminaire Tested: **UTLD-E01-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156938
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-E01-LED-E-U-5WQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.7 lumens
Efficiency: N/A
Efficacy: 96.5 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): 24.7
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

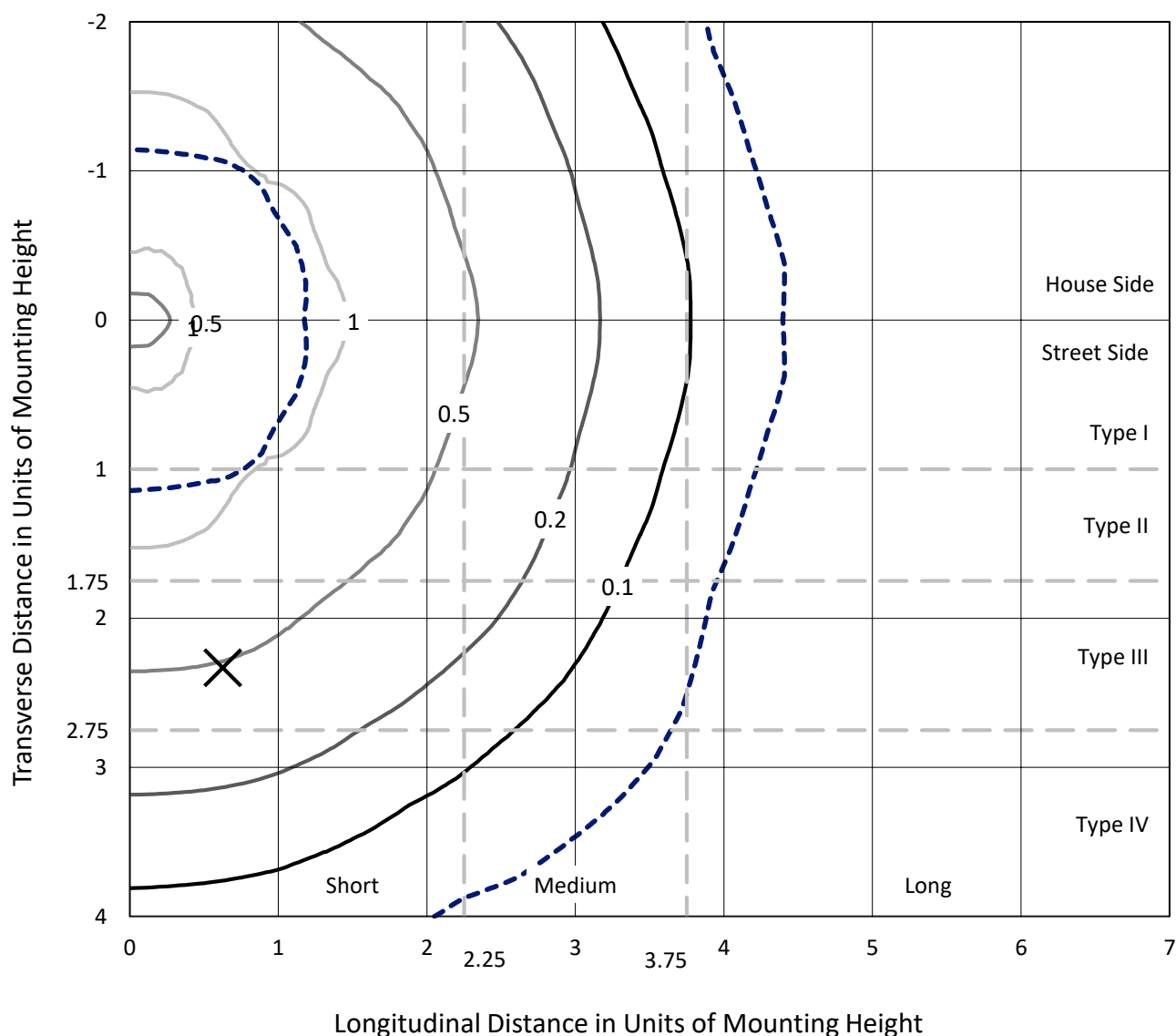


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

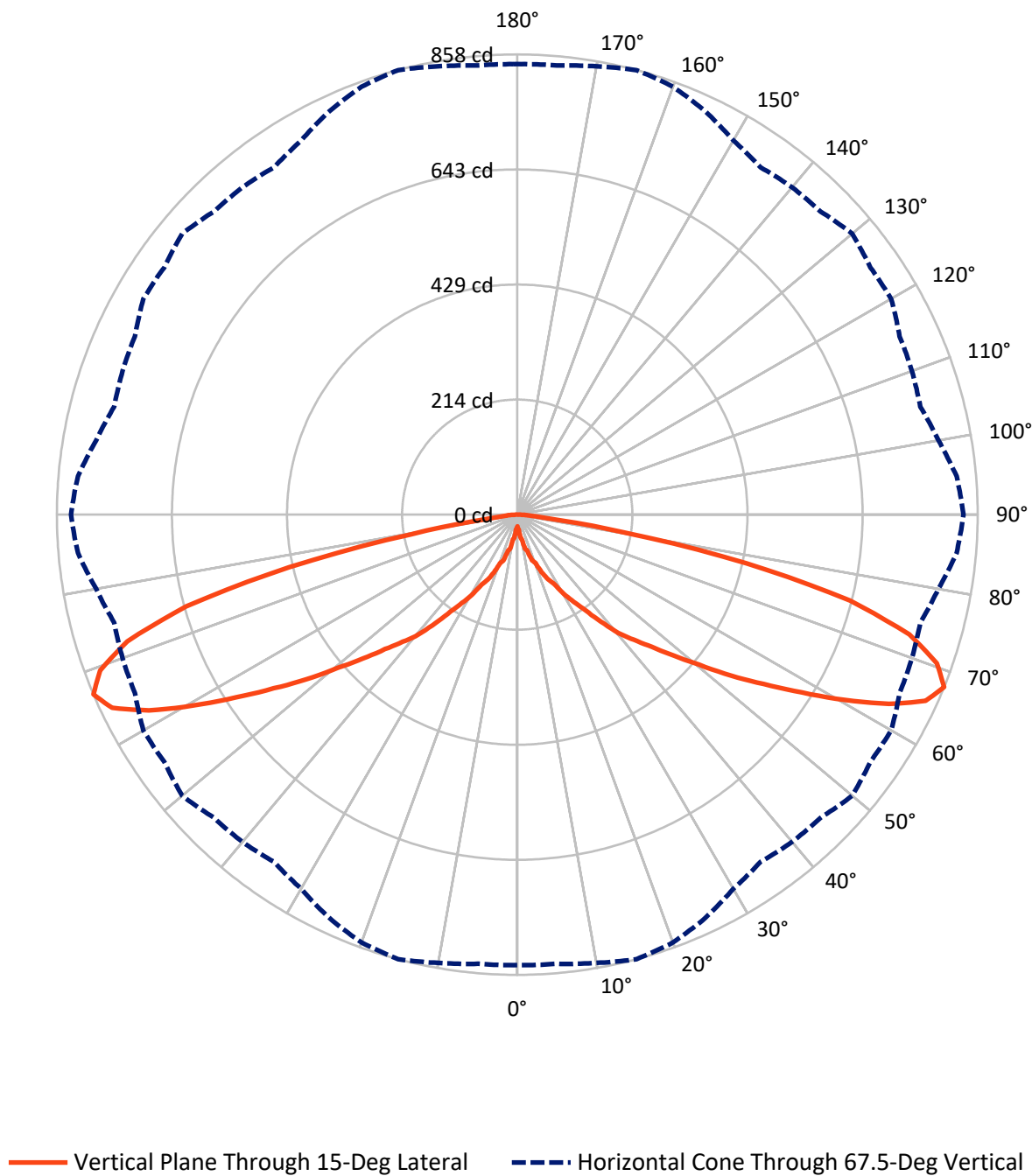


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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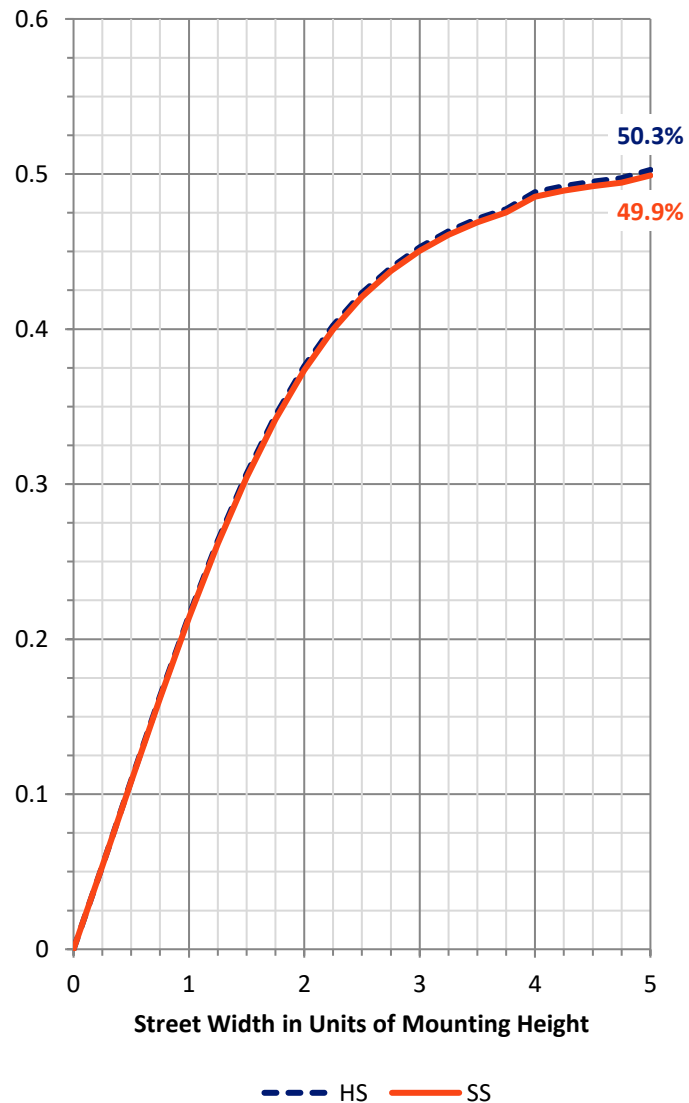
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.3	0.0	1192.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1192.3	0.0	1192.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2384.7	0.0	2384.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	19.7	0.8
20°-30°	65.3	2.7
30°-40°	141.1	5.9
40°-50°	264.0	11.1
50°-60°	479.0	20.1
60°-70°	757.7	31.8
70°-80°	595.8	25.0
80°-90°	58.9	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°	2384.7	100.0
0°-180°	2384.7	100.0

Coefficient of Utilization



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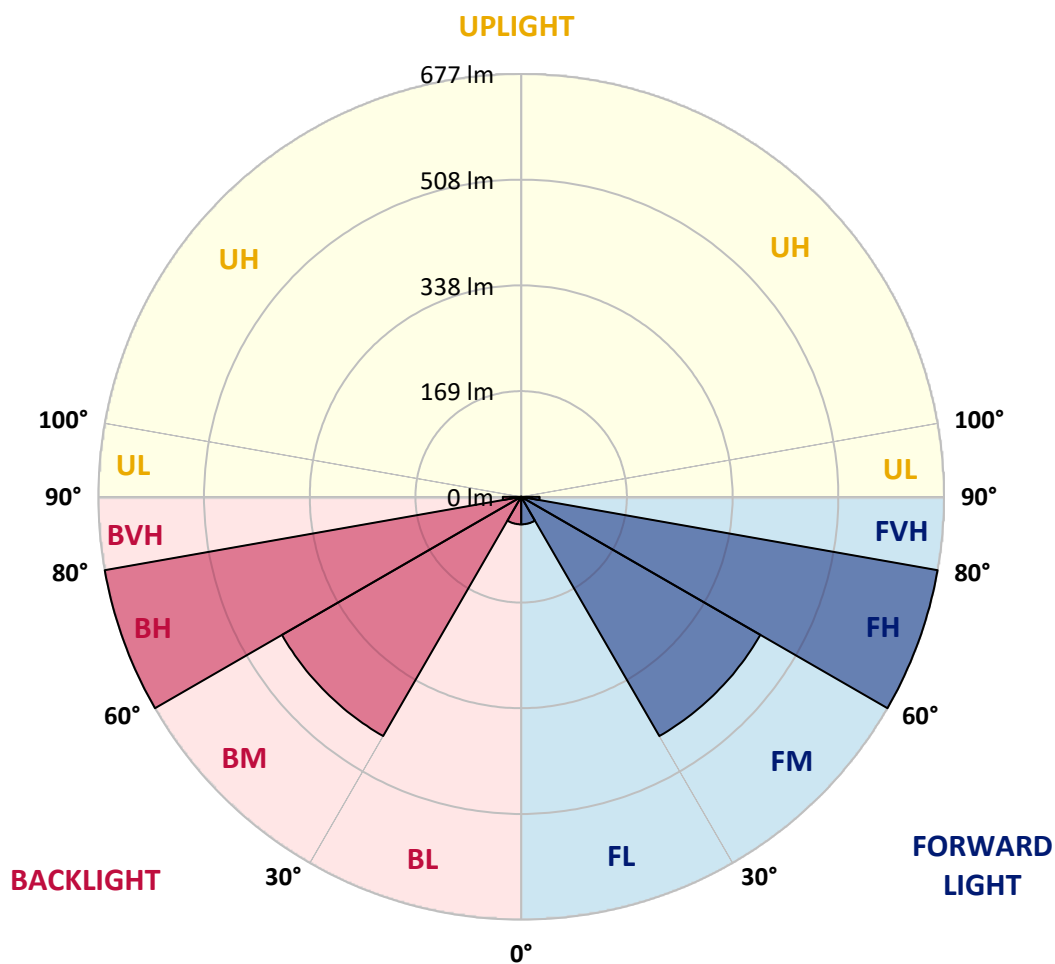
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.1	1.8			
FM	(30°-60°)	442.1	18.5			
FH	(60°-80°)	676.7	28.4			G1/1800
FVH	(80°-90°)	29.4	1.2			G1/100
BL	(0°-30°)	44.1	1.8	B0/110		
BM	(30°-60°)	442.1	18.5	B1/1000		
BH	(60°-80°)	676.7	28.4	B2/1000		G1/1800
BVH	(80°-90°)	29.4	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°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	34.4	34.3	34.3	34.3	34.7	33.7	32.1	30.9	30.2	30.1	29.3
5°	27.2	27.1	27.1	27.2	27.1	27.4	27.3	28.1	28.0	29.9	32.4
7.5°	43.7	43.9	43.8	43.2	42.2	39.2	36.8	34.9	29.3	28.6	27.8
10°	47.3	47.3	47.3	46.6	46.6	46.7	46.2	45.4	44.7	43.3	36.9
12.5°	65.4	65.6	65.7	65.3	63.9	57.6	55.8	49.7	48.4	56.6	58.5
15°	70.6	71.0	70.8	69.6	69.2	68.5	67.3	72.4	74.0	67.5	62.8
17.5°	90.5	90.8	90.4	89.7	87.9	82.4	84.1	82.5	81.6	80.2	84.9
20°	104.2	104.9	100.1	95.9	93.2	97.5	102.6	100.4	94.9	95.4	98.2
22.5°	119.0	119.0	118.6	116.4	116.4	122.0	112.7	110.8	117.6	109.5	106.4
25°	143.7	143.0	141.8	133.2	130.5	129.9	128.1	132.0	126.6	137.4	143.7
27.5°	152.8	152.1	149.0	146.3	153.2	151.0	148.3	138.4	159.2	149.0	152.4
30°	176.4	176.4	173.6	171.9	173.4	163.4	160.0	171.8	168.5	169.8	185.0
32.5°	207.2	207.4	203.8	193.8	184.6	186.4	184.9	185.7	191.0	189.6	198.5
35°	241.2	232.6	226.8	219.2	214.0	211.7	208.7	202.0	209.7	208.0	217.2
37.5°	261.0	261.8	257.1	252.7	249.3	234.5	228.2	230.8	231.2	226.8	242.8
40°	302.0	302.4	295.4	290.2	284.8	266.0	255.8	253.3	253.9	254.6	265.8
42.5°	329.0	329.0	323.4	318.8	309.3	297.0	286.6	281.5	282.6	281.4	293.4
45°	360.8	361.5	357.1	351.3	341.1	334.0	318.7	315.1	315.5	313.5	326.8
47.5°	401.3	401.2	399.5	393.1	384.7	372.4	361.8	352.9	353.8	352.6	366.4
50°	448.8	448.8	447.7	439.6	434.6	421.7	407.9	396.8	396.4	396.5	412.2
52.5°	501.8	502.4	504.0	498.4	490.9	473.0	456.4	444.9	444.2	445.4	463.9
55°	560.8	563.8	563.4	557.2	552.4	532.2	510.2	499.3	496.4	498.7	517.0
57.5°	627.1	628.6	630.3	625.4	613.8	595.8	565.8	556.8	552.0	556.7	576.0
60°	700.5	704.0	703.6	701.2	688.1	668.2	627.3	618.8	616.0	618.3	639.6
62.5°	777.8	777.8	782.3	777.2	764.7	744.9	698.4	683.4	679.5	681.4	704.2
65°	831.8	832.4	837.4	836.2	826.5	805.3	771.0	746.1	746.5	748.9	770.1
67.5°	839.6	840.3	848.4	857.8	848.6	829.3	805.2	790.1	796.5	799.0	814.8
70°	808.1	809.7	819.4	829.5	827.6	813.0	791.5	786.2	792.6	798.0	812.9
72.5°	746.5	747.4	754.6	763.8	756.4	743.6	719.1	727.9	727.0	734.0	748.7
75°	633.6	630.7	638.0	640.4	627.8	614.6	594.4	608.8	602.6	608.6	616.1
77.5°	425.8	422.8	425.7	436.1	427.2	426.0	420.8	436.8	439.5	443.3	443.8
80°	164.6	170.4	185.2	201.8	206.6	219.2	229.2	247.7	260.0	270.2	265.0
82.5°	32.5	35.6	43.2	52.3	62.6	75.3	90.6	106.4	121.6	129.6	123.3
85°	11.8	14.2	18.0	21.2	22.4	24.0	26.9	32.4	37.8	38.8	39.2
87.5°	3.2	5.5	10.2	13.8	13.9	12.5	13.3	13.9	12.2	9.7	13.2
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°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	28.5	26.4	24.2	23.1	22.7	22.3	21.9	21.7
5°	32.9	34.2	32.7	30.1	26.4	24.3	22.8	22.3
7.5°	28.0	28.1	32.4	33.9	30.1	26.9	23.8	23.2
10°	31.7	34.6	37.8	41.2	46.6	42.2	35.6	34.4
12.5°	57.5	48.8	41.9	41.9	47.5	48.0	38.5	37.4
15°	61.1	61.4	64.2	58.2	57.1	61.9	55.3	53.2
17.5°	77.4	76.3	74.4	65.6	61.2	62.8	63.5	61.4
20°	89.9	85.4	106.2	108.2	98.9	99.1	97.6	95.8
22.5°	124.0	124.9	117.3	117.1	109.9	122.4	134.8	129.4
25°	130.9	137.7	160.6	157.0	152.6	146.1	149.4	141.8
27.5°	170.5	166.3	170.7	166.3	178.2	172.3	168.7	166.9
30°	179.1	186.8	191.4	187.9	188.8	187.9	181.8	184.9
32.5°	204.8	201.4	208.4	214.1	217.8	218.7	208.4	214.4
35°	222.0	231.0	230.2	228.2	230.0	233.4	227.8	228.0
37.5°	245.6	247.8	246.0	245.5	246.4	248.4	249.2	246.0
40°	267.2	268.8	267.4	269.3	270.8	271.7	278.8	267.8
42.5°	297.6	295.3	297.3	299.8	299.3	299.2	305.7	299.8
45°	331.8	331.3	329.7	331.4	335.5	329.4	339.7	338.0
47.5°	371.5	371.4	368.8	370.3	377.0	372.3	381.4	384.2
50°	417.6	418.8	411.1	415.4	417.0	418.1	426.8	434.6
52.5°	469.2	470.2	459.6	462.0	460.8	468.8	478.4	490.6
55°	525.3	523.5	510.3	514.8	515.2	529.1	535.0	555.0
57.5°	581.2	580.6	571.6	571.5	579.6	594.0	599.1	621.4
60°	642.8	642.9	631.7	634.2	641.8	655.9	674.6	693.4
62.5°	706.6	711.2	701.7	694.3	702.5	720.8	749.0	763.4
65°	763.6	773.2	757.5	757.4	748.0	778.0	799.9	817.6
67.5°	803.1	804.3	786.0	782.5	777.4	796.7	821.6	831.4
70°	803.1	790.2	772.2	769.6	761.2	768.7	798.8	804.6
72.5°	739.2	725.3	700.8	705.0	695.4	706.0	729.8	732.6
75°	606.4	587.7	571.1	577.8	572.5	591.6	612.2	607.7
77.5°	432.4	409.5	387.7	387.5	388.0	392.8	407.0	400.5
80°	249.5	227.6	206.6	193.6	180.3	169.5	163.2	154.8
82.5°	109.8	88.4	72.2	58.2	49.4	40.0	35.1	30.2
85°	34.7	28.4	24.3	22.2	20.2	19.0	16.5	14.1
87.5°	15.6	15.3	14.3	14.7	14.8	12.8	8.9	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)