

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: P156945

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156945
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332.5 lumens
Efficiency: N/A
Efficacy: 90.1 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



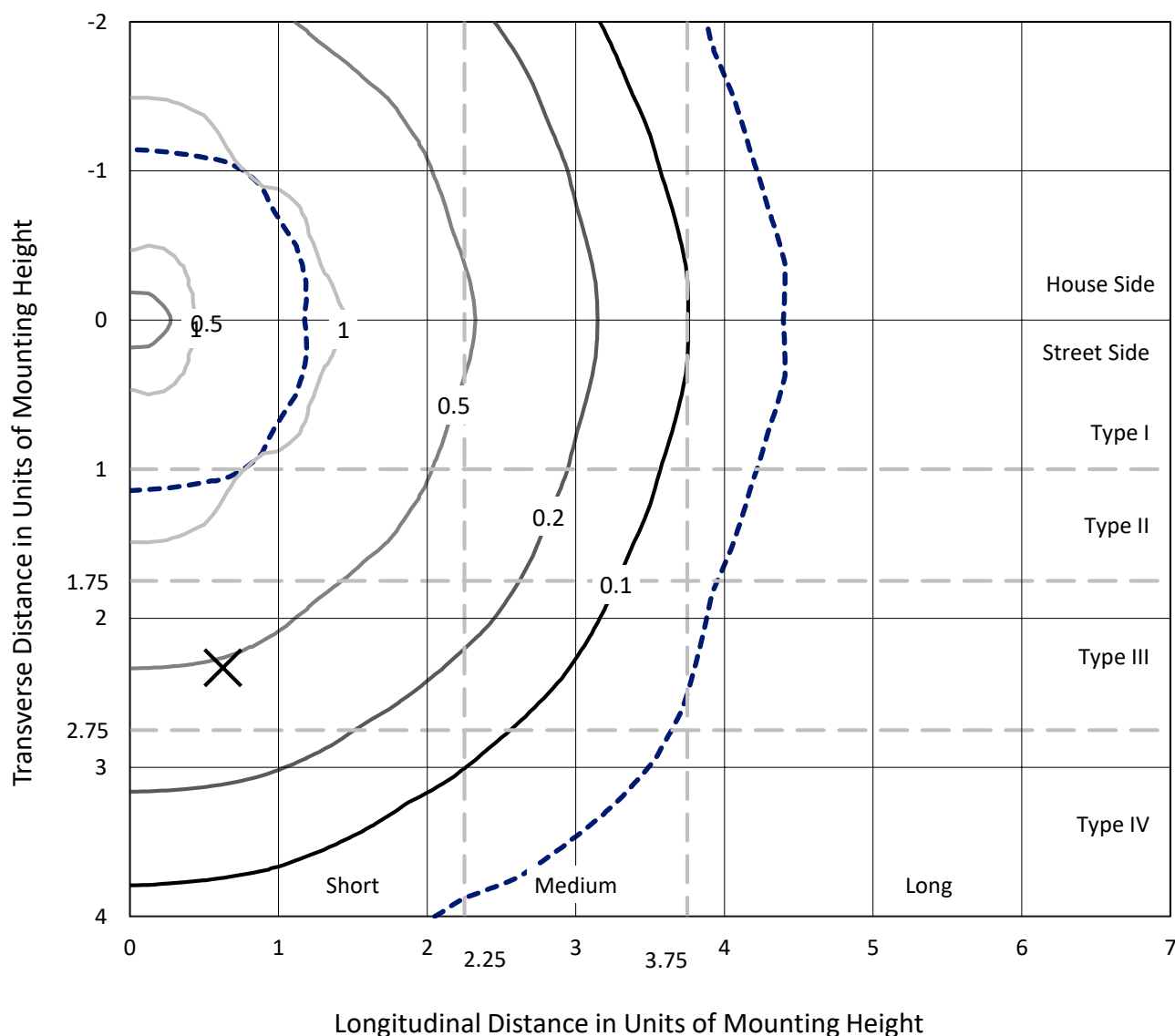
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

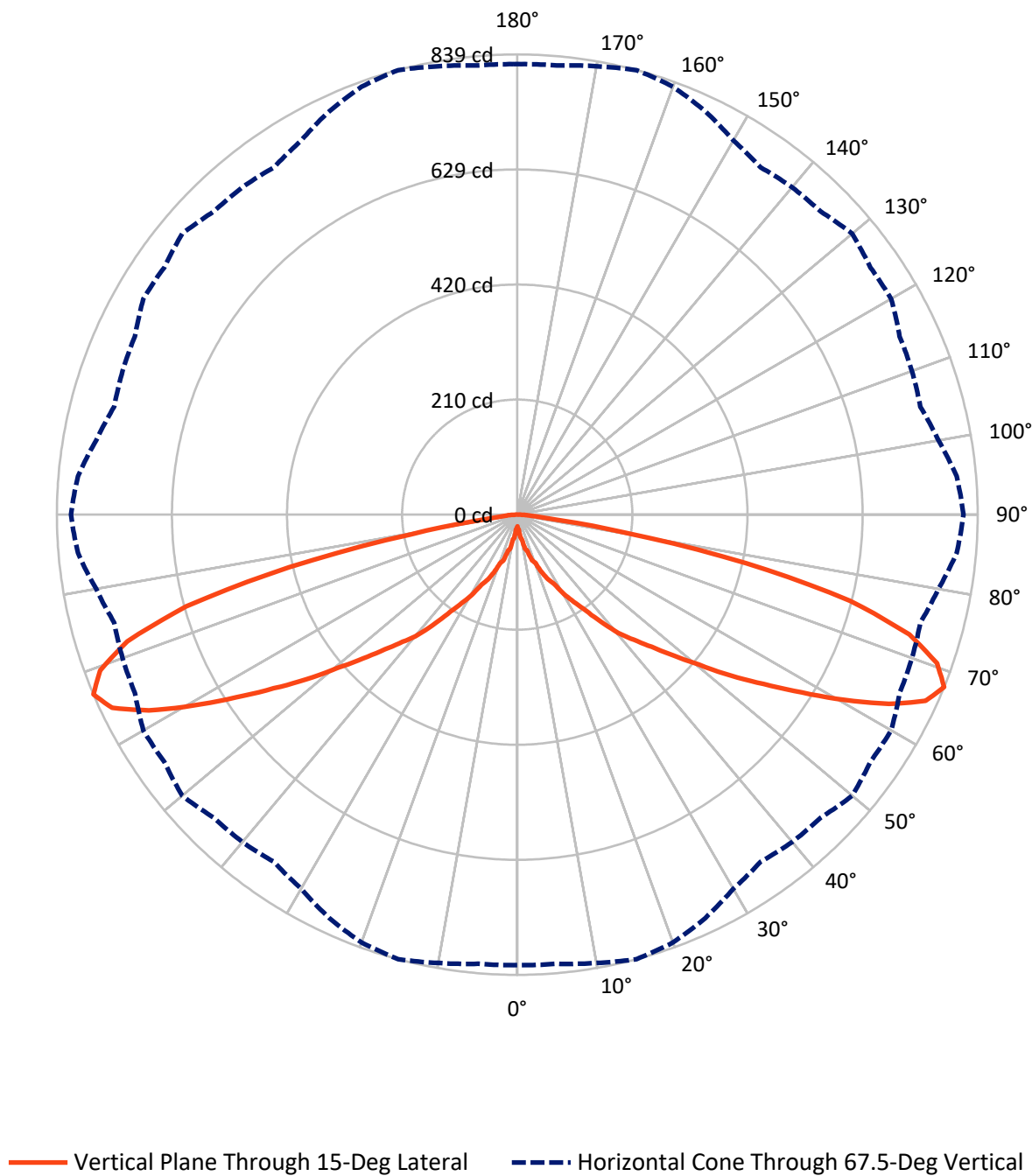


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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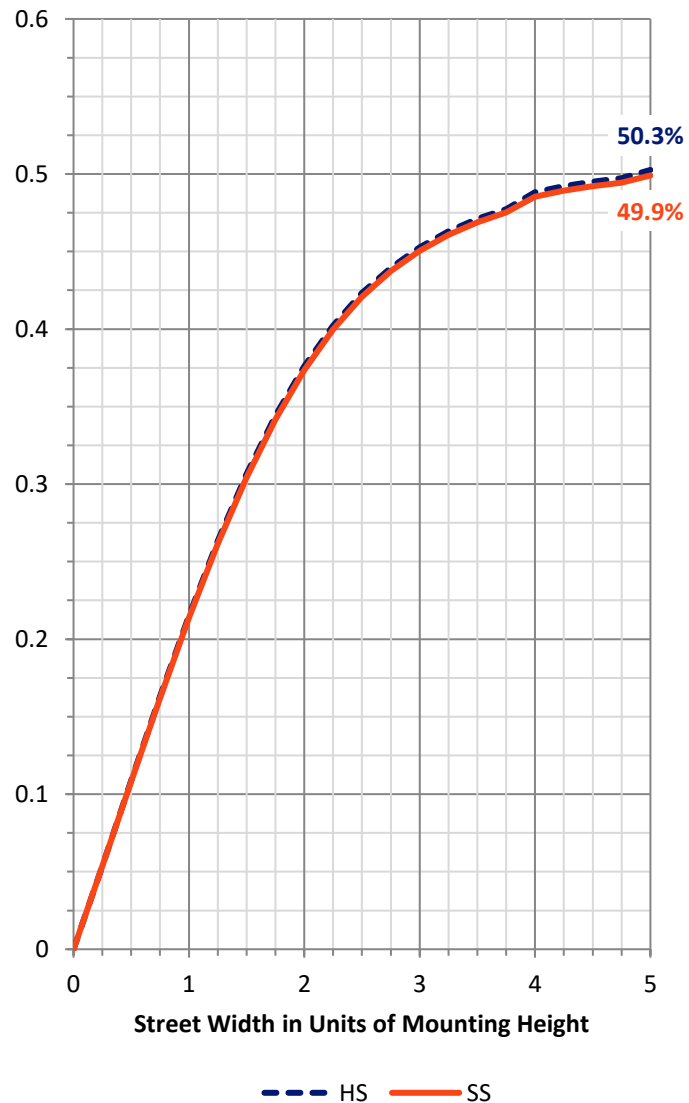
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.3	0.0	1166.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1166.3	0.0	1166.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2332.5	0.0	2332.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	19.3	0.8
20°-30°	63.8	2.7
30°-40°	138.0	5.9
40°-50°	258.3	11.1
50°-60°	468.5	20.1
60°-70°	741.1	31.8
70°-80°	582.7	25.0
80°-90°	57.6	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°	2332.5	100.0
0°-180°	2332.5	100.0

Coefficient of Utilization



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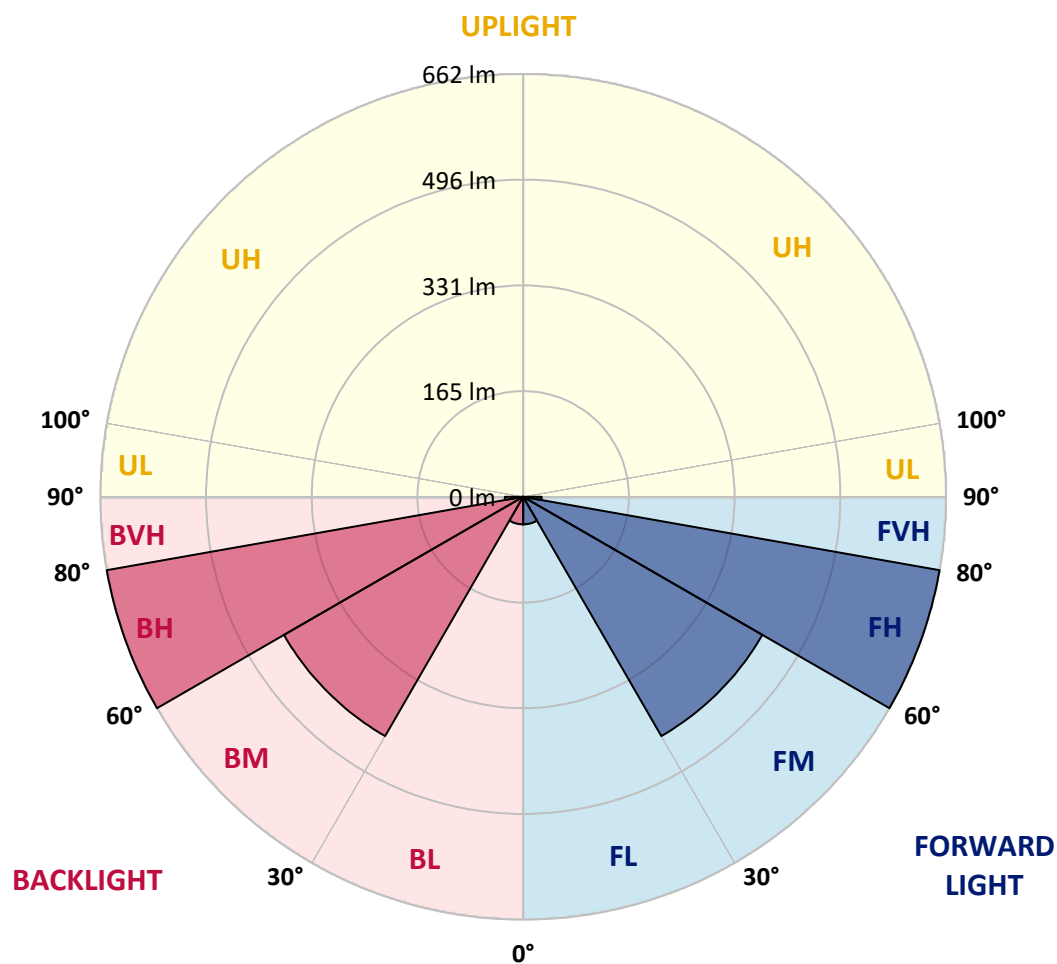
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	43.1	1.8			
FM	(30°-60°)	432.4	18.5			
FH	(60°-80°)	661.9	28.4			G1/1800
FVH	(80°-90°)	28.8	1.2			G1/100
BL	(0°-30°)	43.1	1.8	B0/110		
BM	(30°-60°)	432.4	18.5	B1/1000		
BH	(60°-80°)	661.9	28.4	B2/1000		G1/1800
BVH	(80°-90°)	28.8	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°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
2.5°	33.7	33.6	33.6	33.6	34.0	32.9	31.4	30.3	29.5	29.4	28.7
5°	26.6	26.6	26.5	26.6	26.5	26.8	26.7	27.4	27.4	29.2	31.7
7.5°	42.7	42.9	42.8	42.3	41.3	38.3	36.0	34.2	28.7	28.0	27.1
10°	46.2	46.2	46.2	45.5	45.6	45.6	45.2	44.4	43.8	42.4	36.1
12.5°	64.0	64.2	64.3	63.9	62.5	56.4	54.6	48.6	47.4	55.4	57.2
15°	69.1	69.4	69.2	68.1	67.7	67.0	65.8	70.8	72.4	66.0	61.4
17.5°	88.6	88.9	88.4	87.7	85.9	80.6	82.2	80.7	79.8	78.4	83.0
20°	102.0	102.6	97.9	93.8	91.2	95.4	100.3	98.2	92.8	93.4	96.1
22.5°	116.4	116.4	116.0	113.8	113.8	119.3	110.2	108.4	115.1	107.1	104.1
25°	140.6	139.9	138.7	130.3	127.6	127.0	125.2	129.1	123.8	134.4	140.6
27.5°	149.4	148.8	145.7	143.1	149.9	147.6	145.1	135.3	155.7	145.7	149.0
30°	172.5	172.5	169.8	168.1	169.6	159.8	156.5	168.1	164.8	166.2	181.0
32.5°	202.7	202.9	199.4	189.6	180.6	182.3	180.8	181.6	186.8	185.4	194.1
35°	235.9	227.6	221.8	214.4	209.4	207.1	204.1	197.6	205.2	203.5	212.4
37.5°	255.3	256.1	251.5	247.2	243.8	229.4	223.2	225.8	226.1	221.9	237.4
40°	295.3	295.7	288.9	283.9	278.5	260.2	250.2	247.8	248.4	249.0	260.0
42.5°	321.8	321.8	316.4	311.8	302.6	290.5	280.4	275.3	276.5	275.2	287.0
45°	352.9	353.5	349.3	343.7	333.6	326.7	311.8	308.2	308.6	306.7	319.7
47.5°	392.5	392.4	390.8	384.5	376.2	364.3	353.8	345.2	346.1	344.8	358.4
50°	439.0	439.0	438.0	430.0	425.2	412.4	398.9	388.2	387.7	387.8	403.2
52.5°	490.8	491.4	493.0	487.5	480.2	462.6	446.4	435.2	434.6	435.7	453.7
55°	548.6	551.5	551.0	545.0	540.3	520.6	499.0	488.4	485.5	487.8	505.7
57.5°	613.3	614.8	616.5	611.7	600.4	582.7	553.4	544.6	539.9	544.5	563.4
60°	685.2	688.6	688.2	685.9	673.0	653.6	613.6	605.2	602.5	604.8	625.6
62.5°	760.7	760.8	765.1	760.2	747.9	728.7	683.2	668.4	664.7	666.5	688.8
65°	813.6	814.2	819.0	817.9	808.4	787.7	754.1	729.8	730.2	732.6	753.2
67.5°	821.2	821.9	829.9	839.0	830.0	811.2	787.5	772.8	779.1	781.6	796.9
70°	790.4	792.0	801.5	811.4	809.5	795.2	774.2	769.0	775.3	780.5	795.1
72.5°	730.2	731.0	738.0	747.1	739.8	727.4	703.4	712.0	711.1	718.0	732.3
75°	619.8	616.9	624.0	626.4	614.1	601.2	581.4	595.5	589.4	595.3	602.6
77.5°	416.4	413.6	416.4	426.6	417.9	416.7	411.6	427.3	429.9	433.6	434.1
80°	161.0	166.6	181.2	197.4	202.0	214.3	224.2	242.3	254.4	264.2	259.2
82.5°	31.8	34.9	42.2	51.2	61.3	73.7	88.6	104.0	119.0	126.8	120.6
85°	11.6	14.0	17.6	20.8	21.8	23.6	26.3	31.7	37.0	38.0	38.4
87.5°	3.1	5.4	10.0	13.5	13.6	12.3	13.0	13.6	12.0	9.5	12.9
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°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
2.5°	27.8	25.8	23.8	22.6	22.2	21.8	21.5	21.3
5°	32.2	33.4	32.0	29.4	25.8	23.7	22.3	21.9
7.5°	27.4	27.4	31.7	33.1	29.4	26.3	23.2	22.7
10°	30.9	33.9	37.0	40.3	45.6	41.3	34.8	33.6
12.5°	56.2	47.8	41.0	41.0	46.4	47.0	37.7	36.6
15°	59.8	60.0	62.8	57.0	55.8	60.6	54.1	52.0
17.5°	75.6	74.6	72.7	64.2	59.8	61.4	62.1	60.1
20°	87.9	83.5	103.9	105.9	96.7	97.0	95.5	93.7
22.5°	121.2	122.2	114.7	114.6	107.5	119.7	131.8	126.5
25°	128.0	134.7	157.2	153.6	149.2	142.9	146.1	138.7
27.5°	166.8	162.6	167.0	162.6	174.3	168.5	165.0	163.2
30°	175.2	182.8	187.2	183.8	184.6	183.8	177.8	180.8
32.5°	200.4	197.0	203.8	209.4	213.1	214.0	203.8	209.6
35°	217.1	225.9	225.2	223.2	225.0	228.2	222.9	223.1
37.5°	240.2	242.4	240.7	240.1	241.0	242.9	243.8	240.6
40°	261.4	262.9	261.6	263.4	264.9	265.7	272.7	261.9
42.5°	291.1	288.8	290.8	293.3	292.8	292.6	299.1	293.2
45°	324.5	324.0	322.5	324.2	328.1	322.2	332.3	330.6
47.5°	363.3	363.4	360.7	362.2	368.7	364.2	373.0	375.8
50°	408.4	409.6	402.1	406.2	407.9	409.0	417.5	425.2
52.5°	458.9	460.0	449.6	452.0	450.7	458.6	468.0	479.8
55°	513.8	512.0	499.1	503.4	504.0	517.5	523.3	542.8
57.5°	568.5	568.0	559.1	559.0	566.9	581.0	585.9	607.8
60°	628.8	628.8	617.9	620.4	627.7	641.6	659.9	678.2
62.5°	691.1	695.7	686.3	679.1	687.1	705.0	732.7	746.7
65°	746.9	756.3	740.9	740.8	731.6	760.9	782.4	799.7
67.5°	785.5	786.7	768.8	765.4	760.4	779.3	803.7	813.2
70°	785.5	772.9	755.4	752.8	744.5	751.8	781.4	786.9
72.5°	723.1	709.4	685.5	689.6	680.2	690.6	713.9	716.6
75°	593.2	574.9	558.6	565.2	560.0	578.7	598.8	594.4
77.5°	423.0	400.5	379.2	379.0	379.6	384.2	398.1	391.7
80°	244.0	222.6	202.0	189.4	176.4	165.8	159.6	151.5
82.5°	107.4	86.5	70.7	56.9	48.4	39.1	34.4	29.6
85°	33.9	27.8	23.7	21.7	19.8	18.5	16.1	13.8
87.5°	15.3	15.0	14.0	14.4	14.4	12.5	8.7	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)