

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: P156915

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156915
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33664)
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-5MQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2323.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full 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



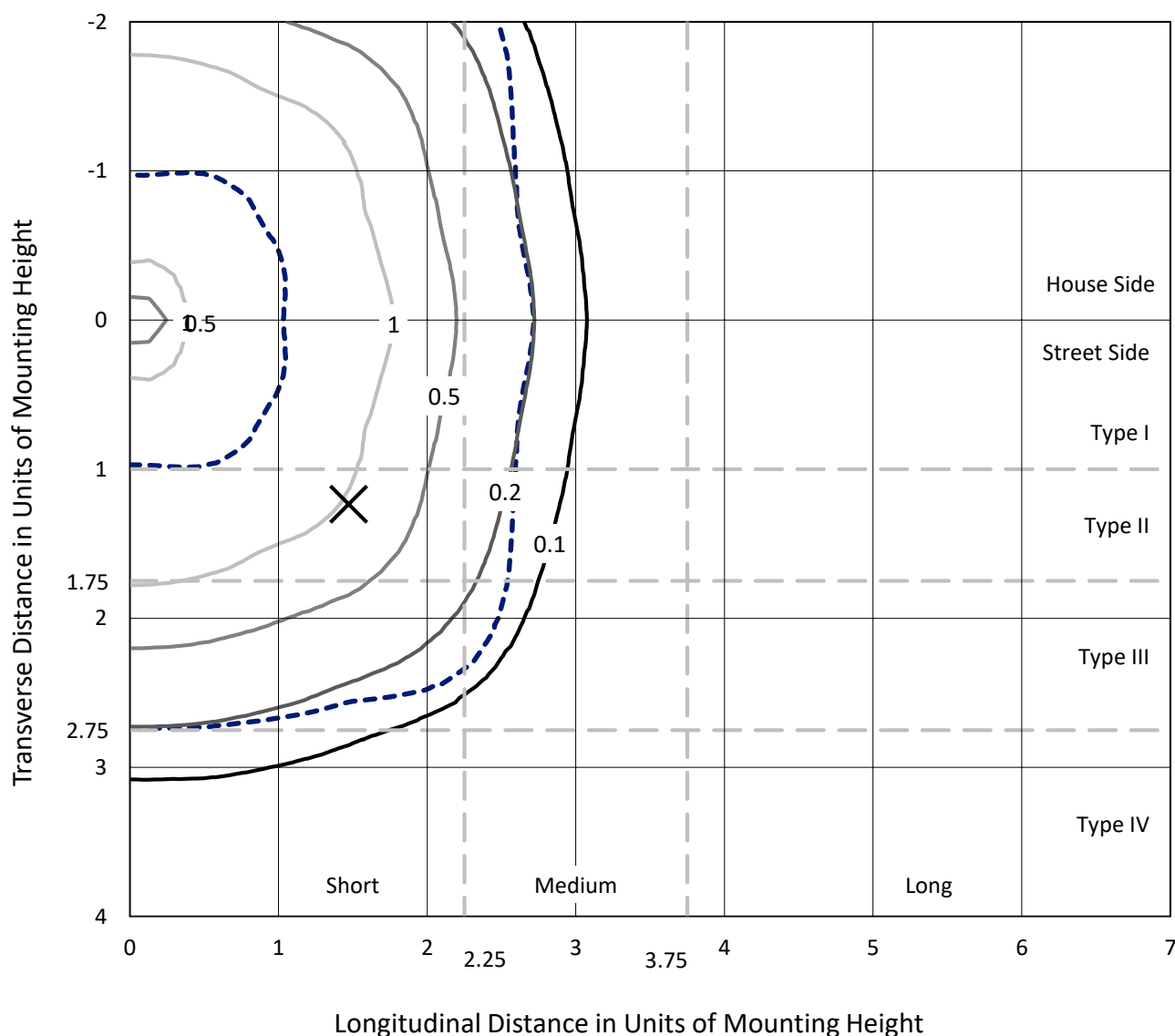
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

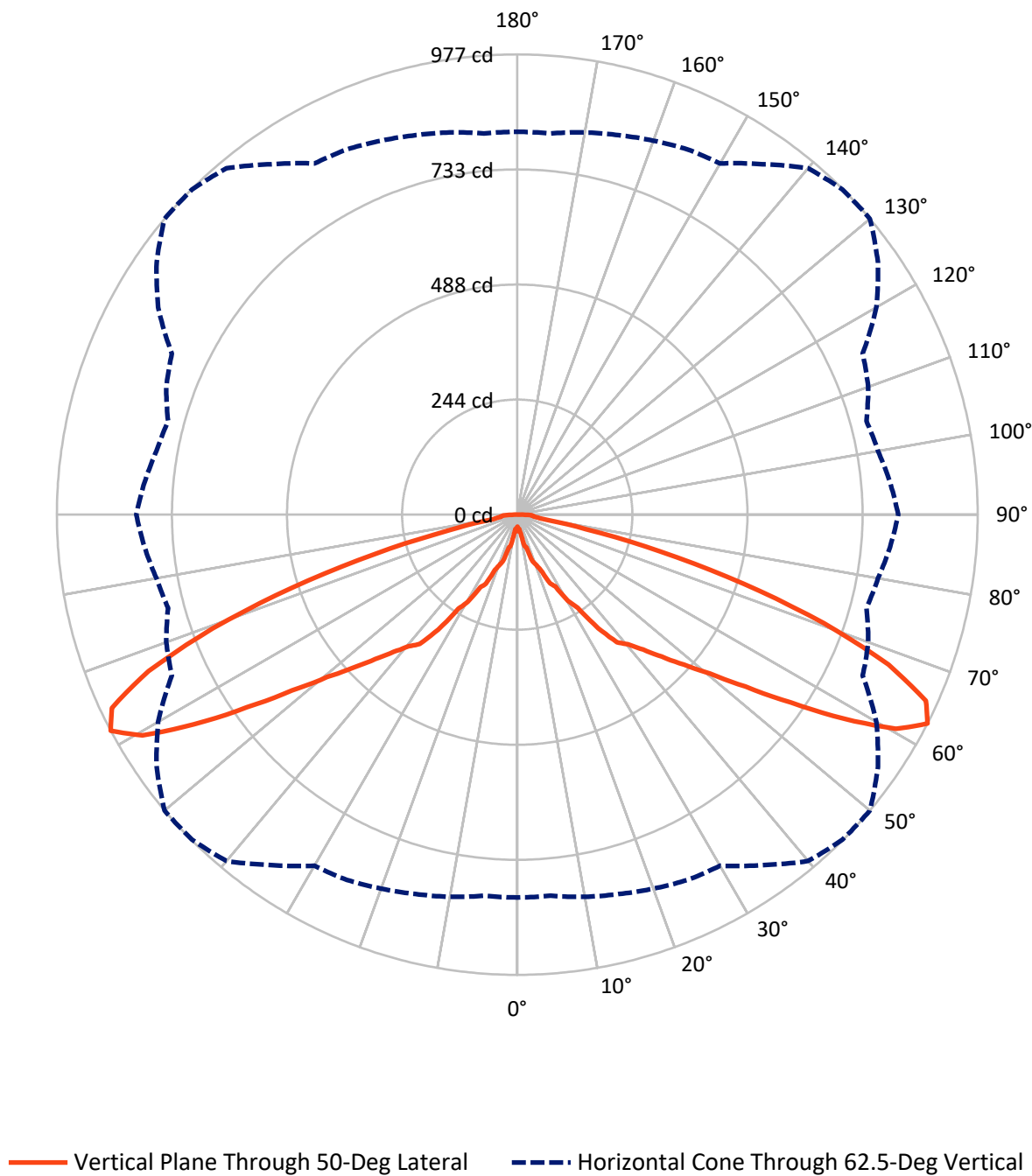


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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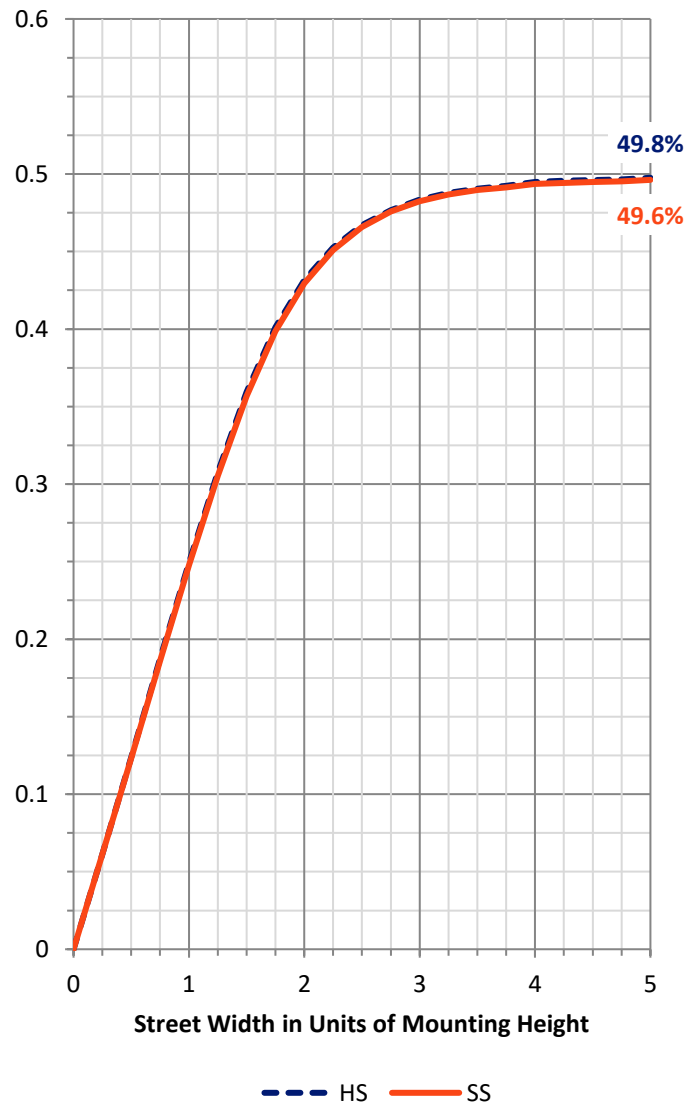
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1161.9	0.0	1161.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1161.9	0.0	1161.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2323.9	0.0	2323.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.2
10°-20°	22.4	1.0
20°-30°	74.5	3.2
30°-40°	190.7	8.2
40°-50°	353.3	15.2
50°-60°	642.0	27.6
60°-70°	756.7	32.6
70°-80°	248.2	10.7
80°-90°	32.5	1.4
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°	2323.9	100.0
0°-180°	2323.9	100.0

Coefficient of Utilization



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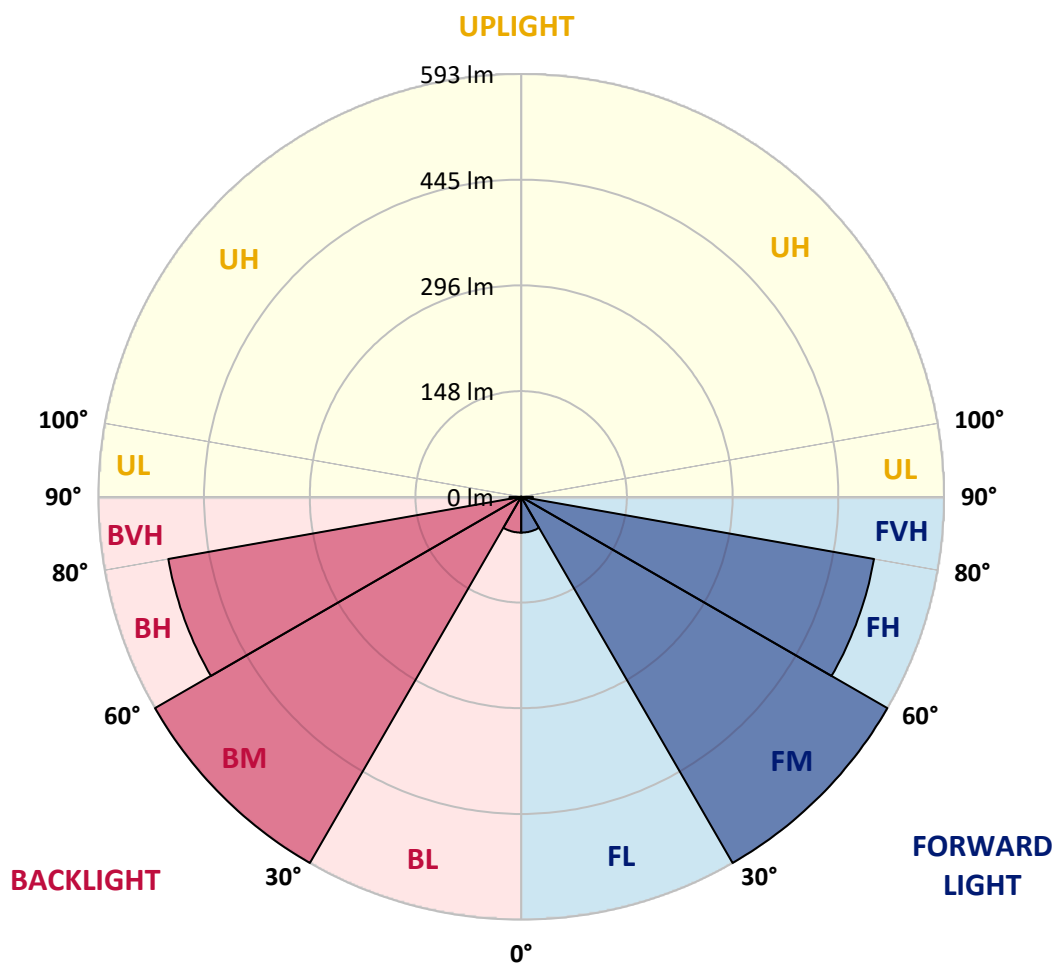
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.2	2.2			
FM	(30°-60°)	593.0	25.5			
FH	(60°-80°)	502.5	21.6			G0/660
FVH	(80°-90°)	16.3	0.7			G1/100
BL	(0°-30°)	50.2	2.2	B0/110		
BM	(30°-60°)	593.0	25.5	B1/1000		
BH	(60°-80°)	502.5	21.6	B2/1000		G0/660
BVH	(80°-90°)	16.3	0.7			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°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	40.2	40.2	40.2	40.5	40.9	40.6	39.8	39.5	35.4	35.0	30.8
5°	29.6	29.6	29.8	29.8	29.8	30.7	30.2	30.6	29.9	31.0	35.9
7.5°	47.8	48.5	48.2	47.8	47.4	45.2	40.0	35.4	31.2	30.8	30.6
10°	51.4	51.6	51.4	51.2	51.1	51.1	50.8	49.3	48.8	47.7	40.7
12.5°	73.2	73.8	73.4	72.8	72.6	63.9	59.2	53.8	52.2	66.6	68.1
15°	77.6	78.4	77.6	77.0	76.9	75.6	74.6	86.2	85.0	72.6	72.2
17.5°	101.2	101.2	100.7	100.4	97.7	92.9	95.2	93.0	91.2	90.8	103.1
20°	115.8	113.9	110.4	105.2	102.2	114.0	115.3	111.8	103.8	109.0	113.3
22.5°	132.1	132.3	131.6	128.2	127.8	134.8	123.6	126.1	131.0	123.7	126.7
25°	163.0	163.0	160.4	148.9	146.6	144.0	143.7	147.2	139.7	150.6	161.4
27.5°	177.9	175.8	172.8	168.0	175.5	171.4	168.3	155.3	177.1	166.8	173.1
30°	217.8	216.5	210.8	207.7	205.8	191.8	186.7	198.6	193.4	195.4	212.2
32.5°	283.2	283.4	274.1	257.8	236.1	234.8	227.5	220.8	227.8	224.8	235.5
35°	342.6	334.8	315.2	309.5	298.0	292.8	285.1	274.4	279.4	277.9	295.8
37.5°	369.2	368.8	358.1	350.5	345.6	327.4	321.8	328.6	324.2	320.0	343.8
40°	426.2	425.2	413.6	402.4	390.8	363.8	355.0	349.2	344.7	345.6	361.6
42.5°	461.0	462.1	449.6	439.6	421.7	401.2	387.0	384.0	376.2	376.0	391.8
45°	500.3	499.8	490.6	477.3	458.9	442.7	423.3	421.4	414.6	414.3	429.8
47.5°	545.2	543.8	536.2	524.1	507.4	485.0	469.5	465.7	460.6	457.8	476.1
50°	606.6	606.2	596.8	582.0	568.5	546.6	527.6	518.3	516.3	512.6	530.6
52.5°	687.4	685.9	681.4	661.8	649.6	614.8	595.1	587.1	590.3	586.8	606.2
55°	775.2	771.3	769.3	751.7	742.3	708.8	685.9	682.4	686.1	689.2	704.1
57.5°	845.0	842.6	845.6	834.4	821.3	800.0	777.7	787.9	799.2	803.8	817.4
60°	859.8	861.2	867.7	868.6	866.5	862.2	847.9	872.2	904.5	915.3	923.0
62.5°	812.5	811.9	823.6	833.6	844.6	855.3	860.4	907.8	959.6	975.6	976.7
65°	729.0	729.7	743.9	754.2	767.8	785.3	815.1	866.4	937.0	957.0	952.9
67.5°	617.7	622.8	634.1	651.4	663.4	683.6	719.0	769.6	836.8	855.2	849.7
70°	481.7	487.6	499.6	510.4	528.4	553.9	574.8	630.2	683.8	699.0	690.3
72.5°	303.6	309.4	329.5	342.0	358.8	381.8	402.8	452.9	502.2	517.5	501.7
75°	107.5	112.6	131.2	148.6	166.8	193.6	222.0	265.8	316.8	335.8	313.4
77.5°	42.1	43.0	46.4	48.7	55.8	67.2	83.6	108.2	148.8	166.6	148.4
80°	37.0	38.7	40.8	42.1	42.2	41.5	40.8	42.8	51.8	57.9	50.5
82.5°	32.0	33.9	37.9	40.4	40.6	39.6	38.5	37.0	35.8	34.2	36.8
85°	23.6	28.5	33.9	37.3	37.9	37.0	36.6	35.1	32.5	29.4	33.3
87.5°	9.5	14.6	26.6	31.6	31.4	28.7	29.5	30.0	26.6	19.5	28.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	31.2	28.2	27.0	25.7	25.4	25.1	25.1	25.0
5°	38.7	40.3	39.3	33.8	27.5	26.9	25.7	25.6
7.5°	30.6	30.6	35.1	38.8	36.1	27.2	26.8	26.6
10°	34.2	43.8	44.6	46.0	57.1	48.2	40.9	39.8
12.5°	66.6	54.8	47.9	49.3	52.6	57.1	43.6	41.9
15°	70.4	70.5	77.1	69.2	68.0	76.0	62.2	64.4
17.5°	89.8	89.0	88.8	74.8	73.2	72.8	74.7	70.2
20°	103.2	98.2	117.8	122.9	112.3	108.6	110.6	109.6
22.5°	138.3	141.7	131.8	130.9	128.7	141.4	145.1	139.8
25°	145.4	160.8	176.3	176.7	169.7	164.5	172.6	165.7
27.5°	191.1	187.4	192.6	188.8	208.2	203.1	202.7	195.6
30°	207.3	215.0	226.3	225.1	231.8	228.6	225.2	237.0
32.5°	246.0	246.3	256.1	280.4	290.2	297.8	291.8	295.2
35°	300.7	316.9	321.6	320.1	322.2	332.2	324.6	324.4
37.5°	345.5	345.4	342.8	339.1	344.2	351.7	353.1	346.5
40°	367.0	366.8	368.2	370.5	378.6	383.2	391.3	380.4
42.5°	397.0	395.4	401.0	407.0	413.9	418.4	430.6	418.7
45°	436.1	435.3	439.9	444.5	450.2	452.5	468.8	469.3
47.5°	480.9	483.0	477.2	482.1	488.3	493.3	513.5	516.4
50°	534.8	540.0	526.0	530.2	538.0	549.4	565.1	576.2
52.5°	610.5	607.1	596.4	593.1	608.8	629.1	644.5	662.7
55°	708.4	696.5	684.6	678.7	696.0	723.1	738.8	762.4
57.5°	815.1	794.7	763.0	767.5	776.1	798.5	807.0	843.9
60°	900.6	866.6	817.3	805.8	802.7	814.7	837.9	856.5
62.5°	933.9	879.7	808.5	792.4	766.8	777.2	793.6	808.2
65°	896.8	827.0	755.8	727.1	697.7	707.7	716.3	725.4
67.5°	796.3	728.1	662.5	623.3	596.7	597.7	609.3	608.6
70°	648.4	582.5	527.3	495.0	468.5	463.7	470.4	475.9
72.5°	455.8	402.3	361.8	330.9	302.4	299.8	292.6	299.8
75°	262.1	210.9	178.3	146.0	116.8	110.8	100.7	102.4
77.5°	107.5	75.2	58.2	47.0	43.4	42.3	42.9	42.6
80°	43.6	40.0	39.1	39.0	39.7	40.2	40.4	38.6
82.5°	38.9	38.8	38.2	37.9	38.1	38.2	35.8	34.2
85°	36.4	36.4	35.6	35.1	35.2	34.0	30.4	27.0
87.5°	32.4	30.5	29.2	31.0	31.6	29.0	19.4	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)