

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: P156916

Luminaire Tested: **UTLD-F01-LED-E-U-5MQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156916
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.5 lumens
Efficiency: N/A
Efficacy: 92.1 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



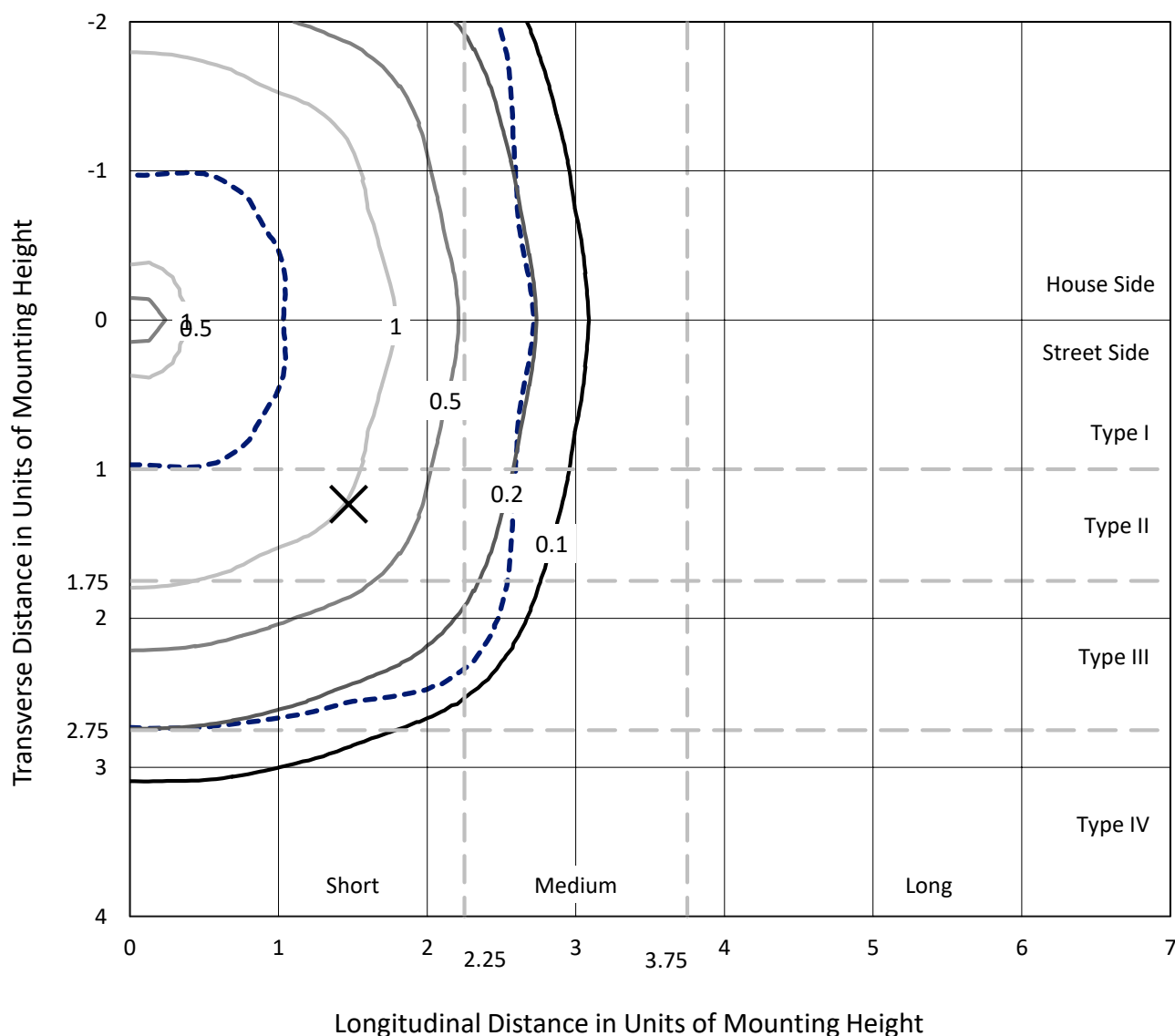
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

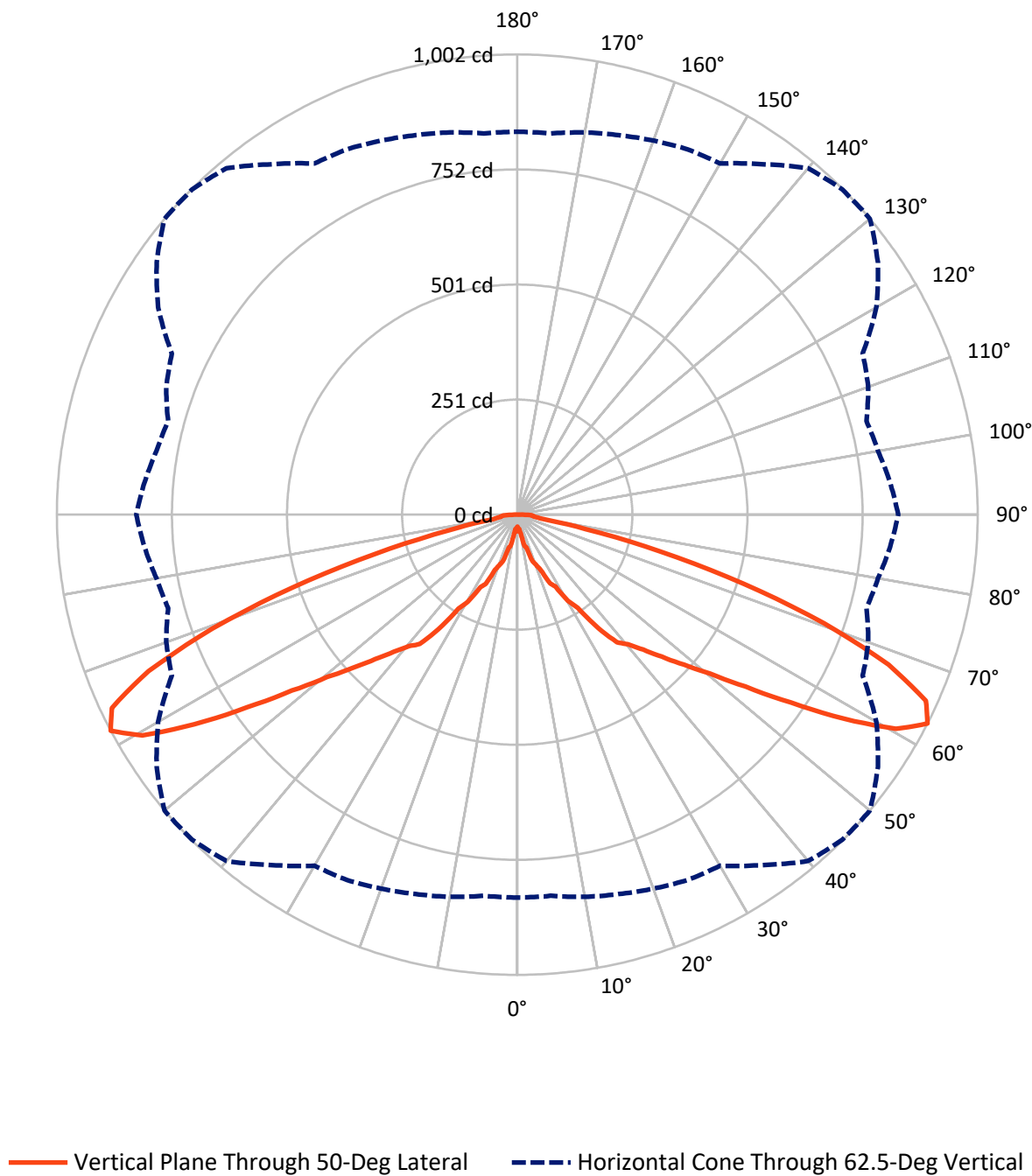


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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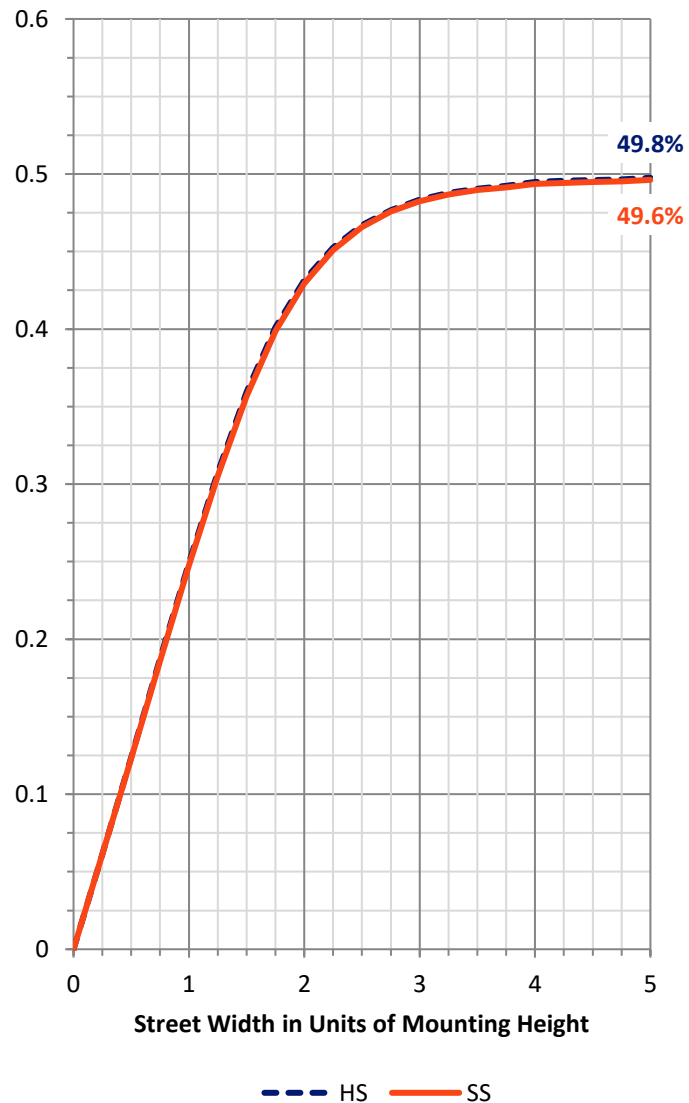
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	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	2384.5	0.0	2384.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.2
10°-20°	23.0	1.0
20°-30°	76.4	3.2
30°-40°	195.6	8.2
40°-50°	362.5	15.2
50°-60°	658.7	27.6
60°-70°	776.5	32.6
70°-80°	254.7	10.7
80°-90°	33.4	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°	2384.5	100.0
0°-180°	2384.5	100.0

Coefficient of Utilization



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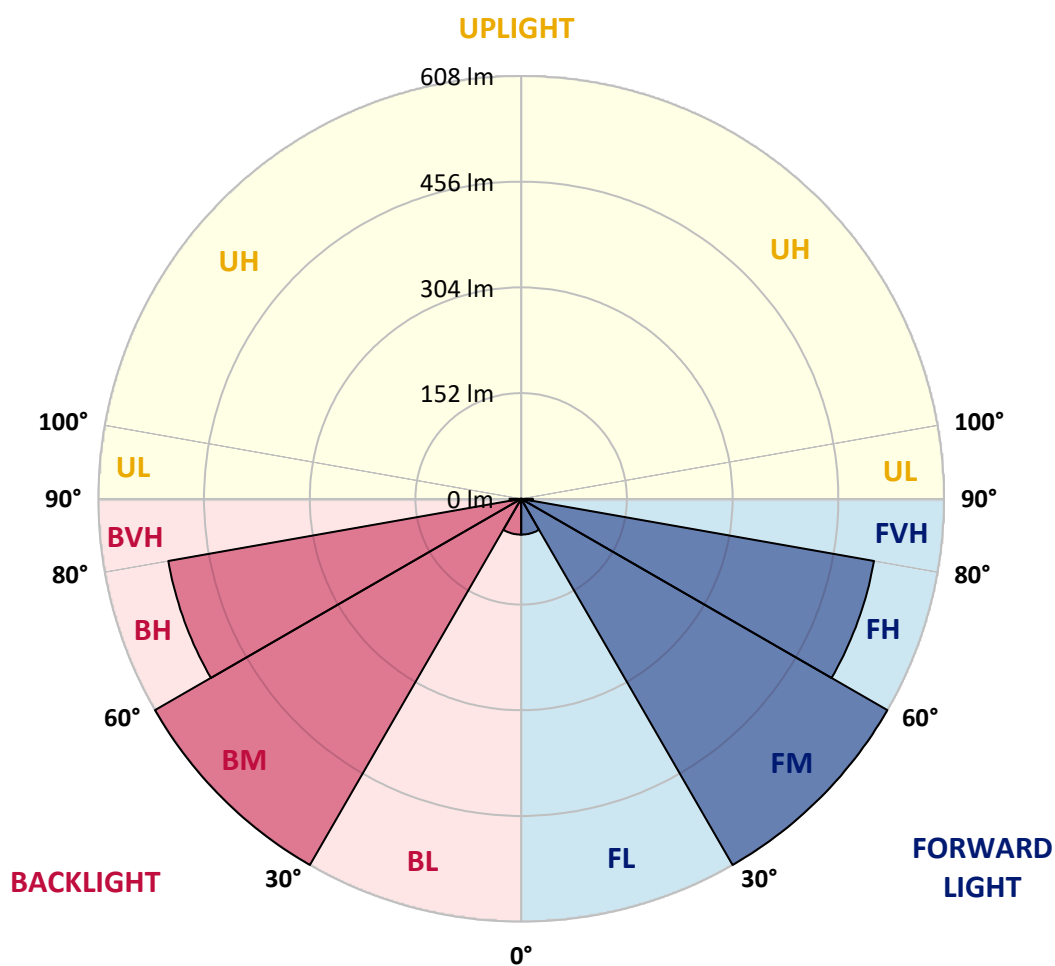
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.5	2.2			
FM	(30°-60°)	608.5	25.5			
FH	(60°-80°)	515.6	21.6			G0/660
FVH	(80°-90°)	16.7	0.7			G1/100
BL	(0°-30°)	51.5	2.2	B0/110		
BM	(30°-60°)	608.5	25.5	B1/1000		
BH	(60°-80°)	515.6	21.6	B2/1000		G0/660
BVH	(80°-90°)	16.7	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°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2.5°	41.3	41.3	41.3	41.5	41.9	41.6	40.8	40.6	36.3	35.9	31.7
5°	30.3	30.4	30.6	30.5	30.6	31.4	30.9	31.4	30.7	31.8	36.9
7.5°	49.1	49.8	49.4	49.0	48.6	46.4	41.0	36.3	32.1	31.6	31.4
10°	52.7	52.9	52.7	52.5	52.4	52.4	52.2	50.6	50.1	48.9	41.8
12.5°	75.2	75.7	75.3	74.7	74.5	65.6	60.8	55.2	53.6	68.3	69.9
15°	79.6	80.5	79.6	79.1	78.9	77.6	76.6	88.4	87.2	74.4	74.0
17.5°	103.8	103.9	103.4	103.0	100.3	95.3	97.7	95.4	93.6	93.2	105.8
20°	118.8	116.9	113.3	107.9	104.8	116.9	118.3	114.8	106.5	111.9	116.3
22.5°	135.5	135.7	135.0	131.5	131.1	138.3	126.9	129.4	134.5	127.0	130.0
25°	167.3	167.2	164.6	152.8	150.5	147.8	147.5	151.1	143.4	154.5	165.6
27.5°	182.6	180.4	177.4	172.4	180.1	175.9	172.7	159.4	181.7	171.2	177.6
30°	223.4	222.2	216.3	213.2	211.2	196.8	191.6	203.8	198.4	200.6	217.7
32.5°	290.5	290.8	281.2	264.6	242.3	241.0	233.5	226.6	233.8	230.6	241.6
35°	351.6	343.5	323.4	317.5	305.8	300.5	292.6	281.5	286.7	285.2	303.5
37.5°	378.8	378.4	367.4	359.7	354.6	336.0	330.2	337.2	332.7	328.3	352.8
40°	437.3	436.4	424.4	412.8	401.0	373.2	364.2	358.3	353.6	354.6	371.0
42.5°	473.1	474.2	461.3	451.1	432.6	411.7	397.1	394.0	386.1	385.8	402.0
45°	513.4	512.9	503.5	489.7	470.9	454.2	434.4	432.4	425.4	425.1	441.0
47.5°	559.5	558.0	550.2	537.8	520.6	497.7	481.8	477.8	472.7	469.7	488.6
50°	622.4	622.1	612.4	597.2	583.3	560.9	541.4	531.8	529.8	525.9	544.4
52.5°	705.4	703.8	699.2	679.1	666.6	630.8	610.6	602.4	605.8	602.2	622.1
55°	795.4	791.4	789.4	771.2	761.7	727.3	703.8	700.2	704.1	707.2	722.4
57.5°	867.0	864.7	867.7	856.2	842.8	820.9	797.9	808.4	820.1	824.7	838.7
60°	882.2	883.7	890.4	891.2	889.1	884.8	870.0	894.9	928.1	939.2	947.2
62.5°	833.8	833.1	845.0	855.4	866.7	877.7	882.8	931.4	984.6	1001.0	1002.2
65°	748.0	748.7	763.3	773.9	787.9	805.8	836.4	889.0	961.5	982.0	977.7
67.5°	633.8	639.0	650.7	668.4	680.7	701.5	737.8	789.7	858.6	877.6	871.8
70°	494.2	500.3	512.6	523.7	542.1	568.4	589.8	646.6	701.6	717.3	708.4
72.5°	311.5	317.5	338.1	350.9	368.2	391.8	413.3	464.7	515.3	531.0	514.8
75°	110.4	115.5	134.7	152.5	171.1	198.6	227.8	272.8	325.0	344.5	321.6
77.5°	43.2	44.2	47.7	50.0	57.3	68.9	85.8	111.1	152.7	171.0	152.2
80°	37.9	39.7	41.8	43.2	43.3	42.6	41.8	43.9	53.2	59.4	51.8
82.5°	32.8	34.8	38.8	41.4	41.7	40.7	39.5	38.0	36.8	35.2	37.8
85°	24.2	29.2	34.8	38.2	38.9	38.0	37.6	36.0	33.4	30.2	34.2
87.5°	9.8	14.9	27.3	32.4	32.2	29.4	30.3	30.8	27.3	20.0	29.0
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°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2.5°	32.0	28.9	27.7	26.4	26.1	25.7	25.7	25.6
5°	39.7	41.4	40.4	34.7	28.2	27.6	26.4	26.3
7.5°	31.5	31.3	36.0	39.8	37.0	27.8	27.5	27.3
10°	35.1	45.0	45.8	47.2	58.6	49.4	41.9	40.9
12.5°	68.3	56.2	49.1	50.6	54.0	58.6	44.8	43.0
15°	72.2	72.3	79.1	71.0	69.8	78.0	63.8	66.0
17.5°	92.1	91.4	91.1	76.8	75.2	74.8	76.6	72.0
20°	105.8	100.8	120.9	126.1	115.2	111.4	113.5	112.4
22.5°	141.9	145.4	135.2	134.4	132.0	145.2	148.8	143.4
25°	149.2	165.0	181.0	181.3	174.2	168.8	177.2	170.0
27.5°	196.1	192.3	197.7	193.7	213.6	208.4	208.0	200.8
30°	212.7	220.6	232.2	231.0	237.8	234.5	231.0	243.1
32.5°	252.4	252.8	262.8	287.8	297.7	305.6	299.4	302.8
35°	308.6	325.2	330.0	328.4	330.7	340.8	333.0	332.9
37.5°	354.5	354.4	351.8	347.9	353.2	360.8	362.3	355.6
40°	376.6	376.3	377.8	380.2	388.5	393.2	401.5	390.3
42.5°	407.3	405.8	411.5	417.6	424.7	429.4	441.8	429.6
45°	447.4	446.6	451.4	456.0	462.0	464.3	481.0	481.6
47.5°	493.4	495.6	489.6	494.7	501.0	506.2	526.9	529.8
50°	548.8	554.1	539.7	544.0	552.1	563.7	579.8	591.2
52.5°	626.4	622.9	611.9	608.6	624.7	645.5	661.4	680.0
55°	726.9	714.7	702.4	696.4	714.2	741.9	758.1	782.3
57.5°	836.4	815.4	782.9	787.6	796.4	819.4	828.0	866.0
60°	924.0	889.2	838.6	826.8	823.7	836.0	859.8	878.8
62.5°	958.2	902.6	829.6	813.1	786.8	797.5	814.3	829.3
65°	920.2	848.6	775.6	746.1	715.9	726.2	735.0	744.4
67.5°	817.1	747.1	679.8	639.6	612.4	613.3	625.2	624.5
70°	665.4	597.8	541.0	507.9	480.7	475.8	482.6	488.4
72.5°	467.7	412.8	371.2	339.6	310.2	307.7	300.2	307.7
75°	268.9	216.4	183.0	149.8	119.9	113.7	103.4	105.0
77.5°	110.3	77.2	59.7	48.3	44.4	43.4	44.0	43.6
80°	44.7	41.0	40.1	40.0	40.8	41.3	41.5	39.6
82.5°	39.9	39.8	39.2	38.9	39.1	39.3	36.8	35.2
85°	37.4	37.2	36.5	36.0	36.1	35.0	31.2	27.8
87.5°	33.2	31.3	30.0	31.8	32.4	29.8	19.9	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)