

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: P156908

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156908
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-E01-LED-E-U-5MQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2375.9 lumens
Efficiency: N/A
Efficacy: 96.2 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): 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

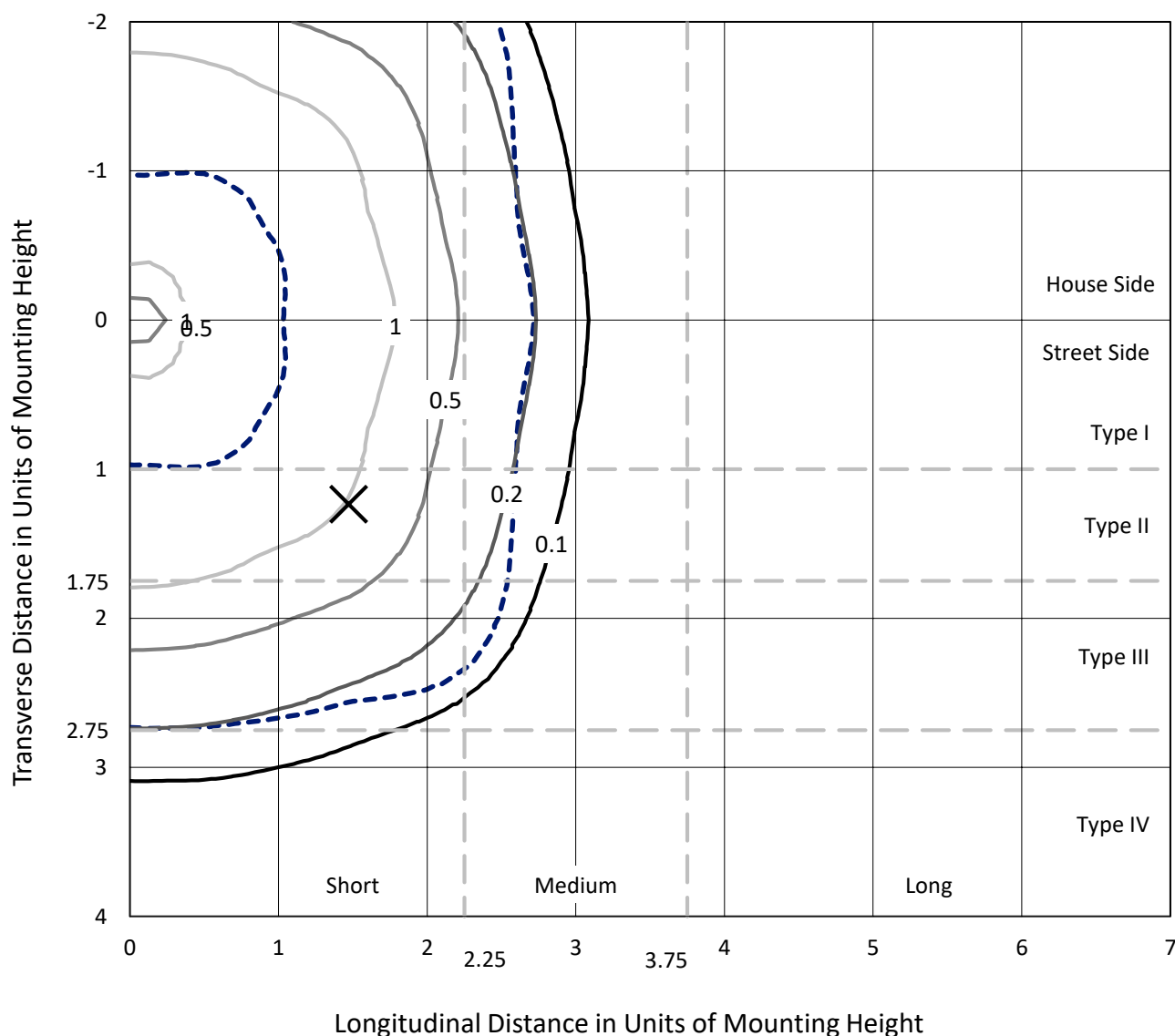


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

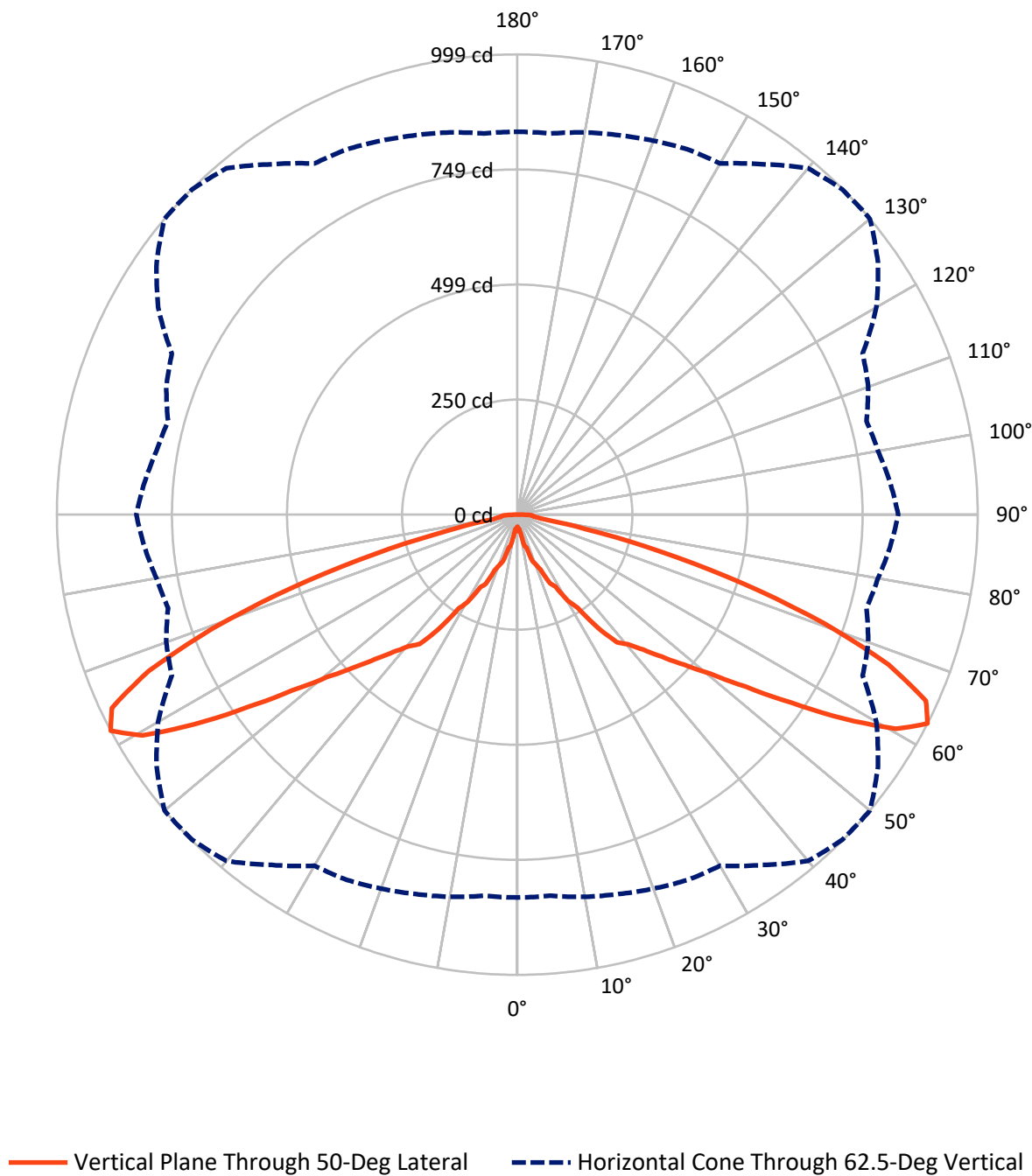


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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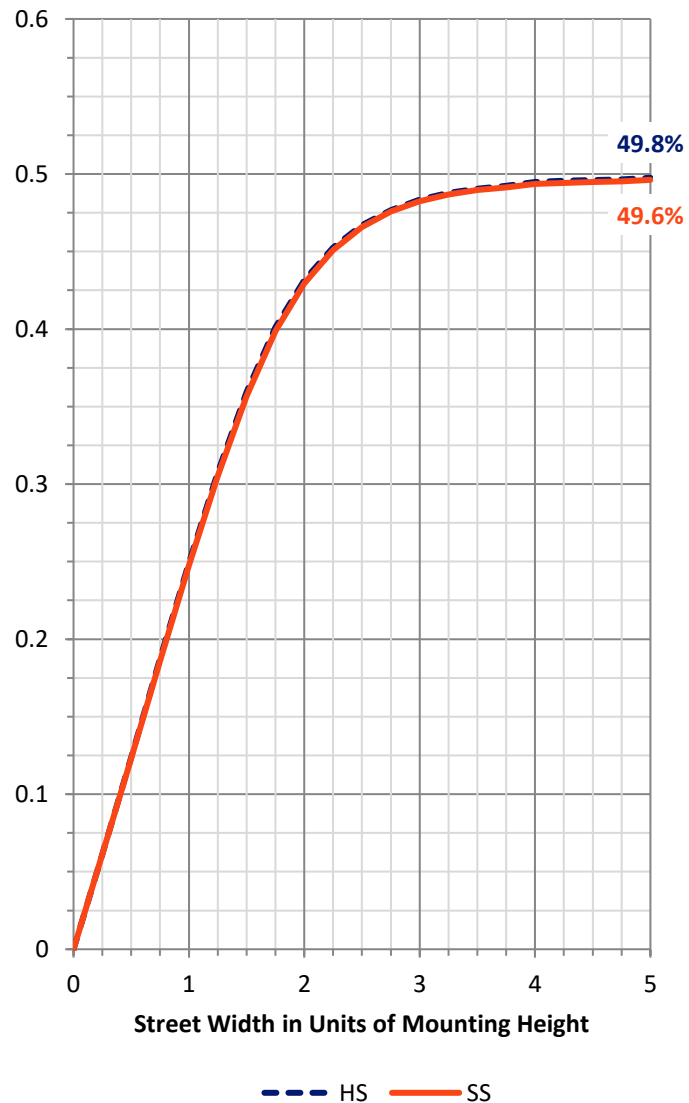
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.9	0.0	1187.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1187.9	0.0	1187.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2375.9	0.0	2375.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.2
10°-20°	22.9	1.0
20°-30°	76.2	3.2
30°-40°	194.9	8.2
40°-50°	361.2	15.2
50°-60°	656.3	27.6
60°-70°	773.7	32.6
70°-80°	253.8	10.7
80°-90°	33.3	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°	2375.9	100.0
0°-180°	2375.9	100.0

Coefficient of Utilization



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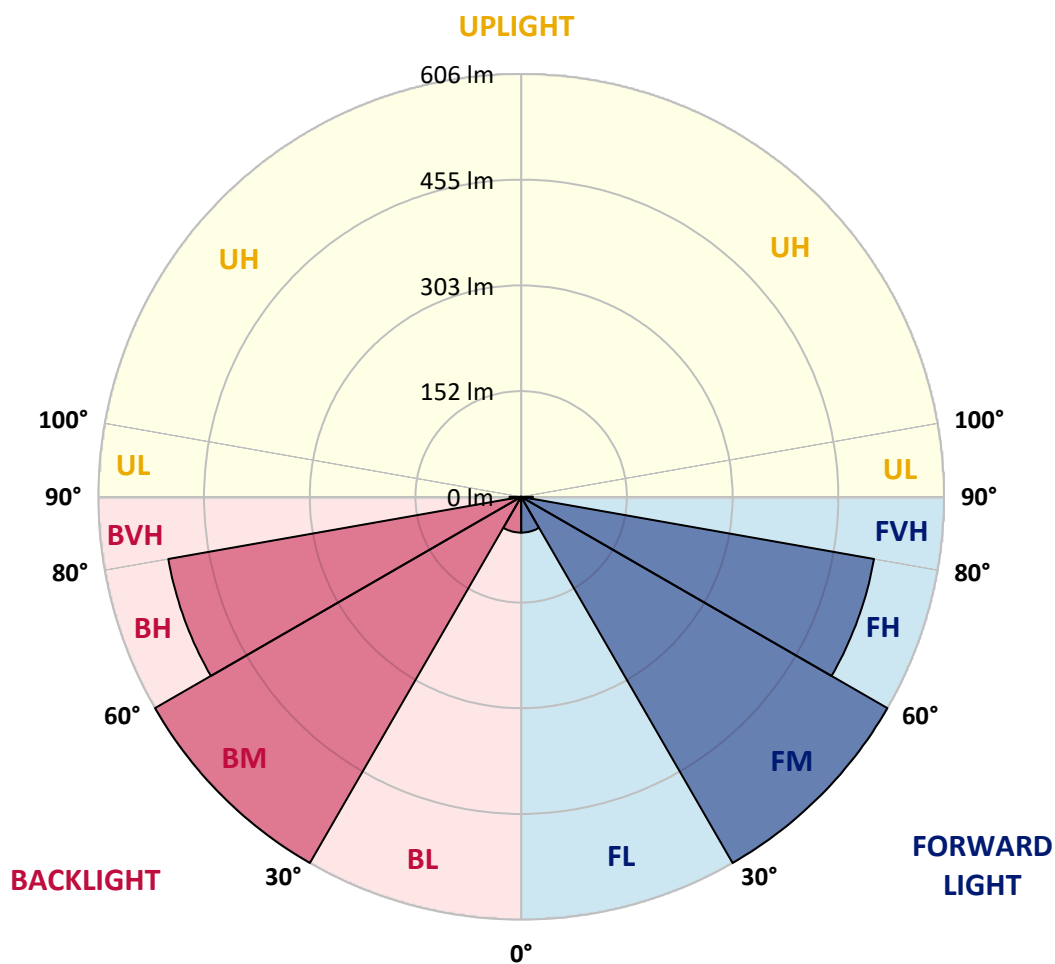
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.3	2.2			
FM	(30°-60°)	606.3	25.5			
FH	(60°-80°)	513.7	21.6			G0/660
FVH	(80°-90°)	16.6	0.7			G1/100
BL	(0°-30°)	51.3	2.2	B0/110		
BM	(30°-60°)	606.3	25.5	B1/1000		
BH	(60°-80°)	513.7	21.6	B2/1000		G0/660
BVH	(80°-90°)	16.6	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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	41.2	41.2	41.2	41.4	41.8	41.5	40.8	40.4	36.2	35.8	31.6
5°	30.2	30.3	30.5	30.4	30.5	31.3	30.8	31.3	30.6	31.6	36.7
7.5°	49.0	49.6	49.3	48.8	48.4	46.2	40.8	36.2	32.0	31.6	31.2
10°	52.6	52.8	52.5	52.4	52.2	52.2	52.0	50.4	49.9	48.8	41.6
12.5°	74.9	75.4	75.0	74.5	74.3	65.3	60.6	55.1	53.4	68.1	69.6
15°	79.3	80.2	79.3	78.8	78.6	77.4	76.3	88.1	87.0	74.1	73.8
17.5°	103.4	103.5	103.0	102.6	99.9	94.9	97.4	95.1	93.2	92.8	105.4
20°	118.4	116.5	112.9	107.5	104.4	116.5	117.9	114.4	106.2	111.5	115.8
22.5°	135.0	135.2	134.5	131.0	130.6	137.8	126.4	129.0	134.0	126.5	129.6
25°	166.7	166.6	164.1	152.2	149.9	147.3	147.0	150.6	142.8	153.9	165.0
27.5°	181.9	179.8	176.7	171.7	179.5	175.2	172.1	158.8	181.0	170.6	177.0
30°	222.6	221.3	215.5	212.4	210.4	196.1	190.8	203.1	197.7	199.8	216.9
32.5°	289.5	289.7	280.2	263.6	241.4	240.1	232.6	225.8	232.9	229.8	240.8
35°	350.2	342.2	322.3	316.4	304.7	299.4	291.5	280.5	285.7	284.1	302.4
37.5°	377.5	377.0	366.1	358.4	353.3	334.8	329.0	335.9	331.5	327.2	351.5
40°	435.8	434.8	422.8	411.3	399.5	371.9	362.9	357.0	352.4	353.3	369.7
42.5°	471.4	472.4	459.6	449.4	431.1	410.2	395.6	392.6	384.6	384.4	400.6
45°	511.4	511.0	501.6	487.9	469.2	452.6	432.8	430.8	423.9	423.6	439.4
47.5°	557.4	556.0	548.2	535.8	518.7	495.8	480.0	476.1	471.0	468.0	486.8
50°	620.1	619.8	610.2	595.0	581.2	558.8	539.4	529.9	527.8	524.0	542.5
52.5°	702.8	701.3	696.6	676.7	664.2	628.6	608.4	600.2	603.6	600.0	619.8
55°	792.5	788.5	786.5	768.4	759.0	724.7	701.3	697.7	701.5	704.6	719.8
57.5°	863.8	861.5	864.6	853.1	839.6	817.9	795.0	805.5	817.1	821.8	835.7
60°	879.0	880.5	887.2	888.0	885.9	881.6	866.9	891.7	924.7	935.8	943.7
62.5°	830.7	830.0	842.0	852.2	863.5	874.5	879.6	928.0	981.0	997.4	998.6
65°	745.2	746.0	760.5	771.1	785.0	802.9	833.3	885.8	958.0	978.4	974.2
67.5°	631.6	636.7	648.3	665.9	678.2	698.9	735.1	786.8	855.5	874.4	868.6
70°	492.4	498.5	510.7	521.8	540.2	566.3	587.6	644.3	699.0	714.6	705.8
72.5°	310.4	316.3	336.9	349.6	366.8	390.3	411.8	463.0	513.4	529.1	512.9
75°	109.9	115.1	134.2	151.9	170.5	197.9	226.9	271.8	323.9	343.3	320.4
77.5°	43.0	44.0	47.5	49.8	57.1	68.7	85.4	110.7	152.1	170.4	151.7
80°	37.8	39.6	41.7	43.0	43.2	42.4	41.6	43.8	53.0	59.2	51.6
82.5°	32.7	34.7	38.7	41.2	41.6	40.5	39.4	37.9	36.6	35.0	37.6
85°	24.0	29.1	34.7	38.1	38.7	37.9	37.4	35.9	33.2	30.1	34.1
87.5°	9.7	14.9	27.2	32.2	32.1	29.3	30.2	30.7	27.2	20.0	28.9
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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	31.9	28.8	27.6	26.3	26.0	25.6	25.6	25.5
5°	39.6	41.2	40.2	34.6	28.1	27.6	26.3	26.2
7.5°	31.4	31.2	35.9	39.7	36.9	27.7	27.4	27.2
10°	34.9	44.8	45.6	47.0	58.3	49.3	41.8	40.8
12.5°	68.1	56.0	48.9	50.4	53.8	58.3	44.6	42.8
15°	71.9	72.0	78.8	70.8	69.5	77.8	63.6	65.8
17.5°	91.8	91.0	90.7	76.5	74.9	74.5	76.4	71.8
20°	105.5	100.4	120.5	125.6	114.8	111.0	113.1	112.0
22.5°	141.4	144.9	134.7	133.9	131.6	144.6	148.3	142.8
25°	148.6	164.4	180.3	180.6	173.5	168.2	176.5	169.4
27.5°	195.4	191.6	197.0	193.0	212.9	207.6	207.2	200.0
30°	212.0	219.8	231.4	230.1	237.0	233.7	230.2	242.2
32.5°	251.5	251.8	261.8	286.7	296.6	304.5	298.4	301.8
35°	307.4	324.0	328.8	327.2	329.5	339.6	331.8	331.7
37.5°	353.2	353.1	350.5	346.7	351.9	359.5	361.0	354.3
40°	375.2	374.9	376.4	378.8	387.1	391.8	400.0	388.8
42.5°	405.8	404.3	410.0	416.1	423.2	427.8	440.2	428.1
45°	445.8	445.0	449.7	454.4	460.3	462.6	479.3	479.8
47.5°	491.6	493.8	487.8	492.9	499.2	504.4	525.0	528.0
50°	546.8	552.1	537.8	542.0	550.0	561.7	577.7	589.2
52.5°	624.1	620.6	609.7	606.4	622.4	643.1	659.0	677.5
55°	724.2	712.1	699.9	693.9	711.6	739.2	755.3	779.4
57.5°	833.4	812.4	780.0	784.7	793.4	816.3	825.0	862.8
60°	920.7	886.0	835.6	823.8	820.7	832.9	856.6	875.6
62.5°	954.8	899.4	826.6	810.1	784.0	794.6	811.4	826.2
65°	916.9	845.5	772.8	743.4	713.3	723.5	732.4	741.6
67.5°	814.1	744.4	677.3	637.2	610.1	611.0	623.0	622.2
70°	663.0	595.6	539.1	506.1	479.0	474.1	480.9	486.6
72.5°	466.0	411.4	369.9	338.3	309.1	306.6	299.1	306.6
75°	268.0	215.7	182.3	149.3	119.4	113.3	103.0	104.6
77.5°	109.9	76.9	59.5	48.1	44.3	43.2	43.9	43.4
80°	44.5	40.8	40.0	39.9	40.6	41.2	41.4	39.4
82.5°	39.8	39.7	39.0	38.7	38.9	39.1	36.6	35.0
85°	37.2	37.2	36.4	35.8	36.0	34.8	31.1	27.6
87.5°	33.1	31.2	29.8	31.6	32.3	29.6	19.8	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)