

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: P156914

Luminaire Tested: **UTLD-F01-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156914
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122.5 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - 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

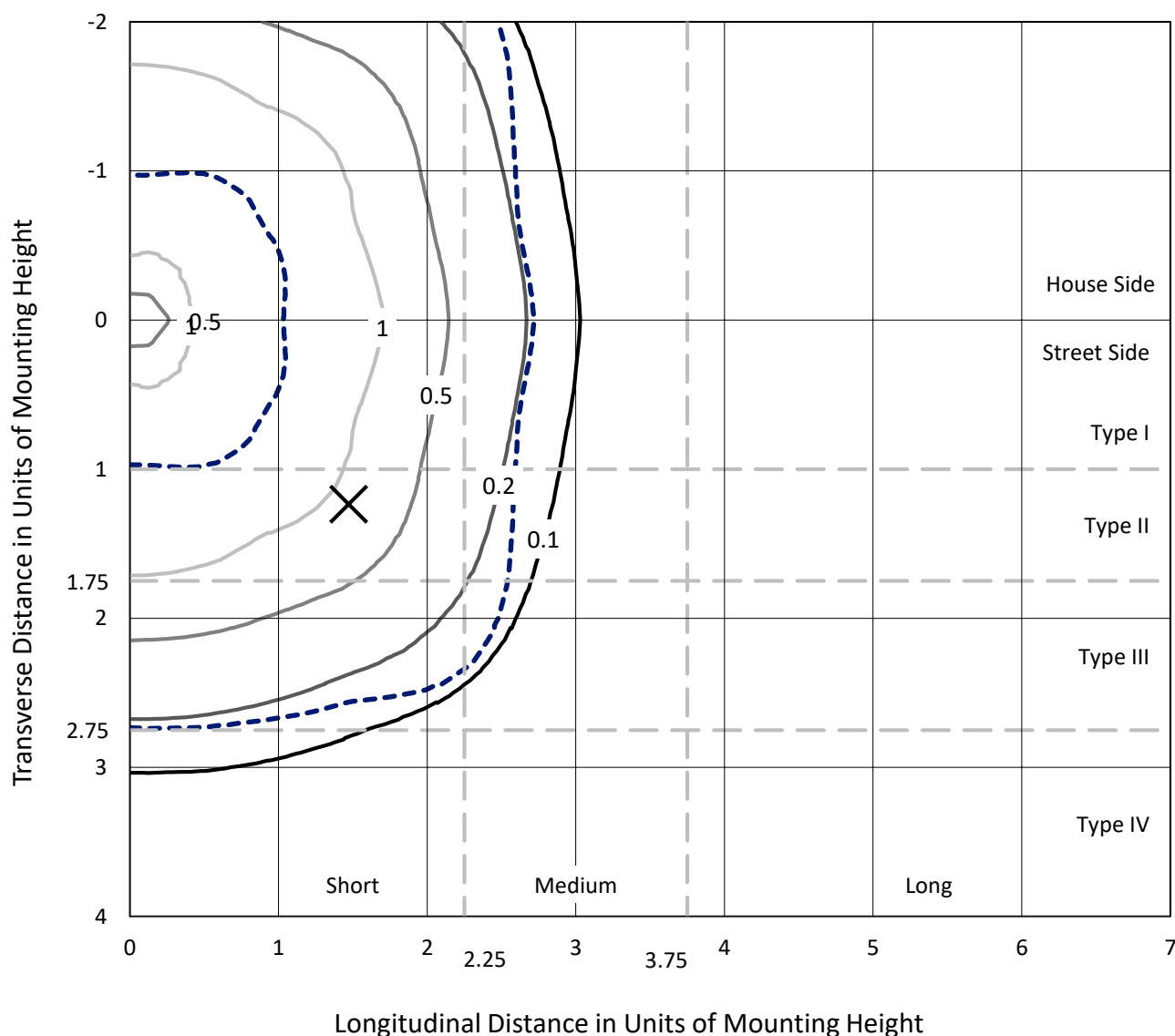


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

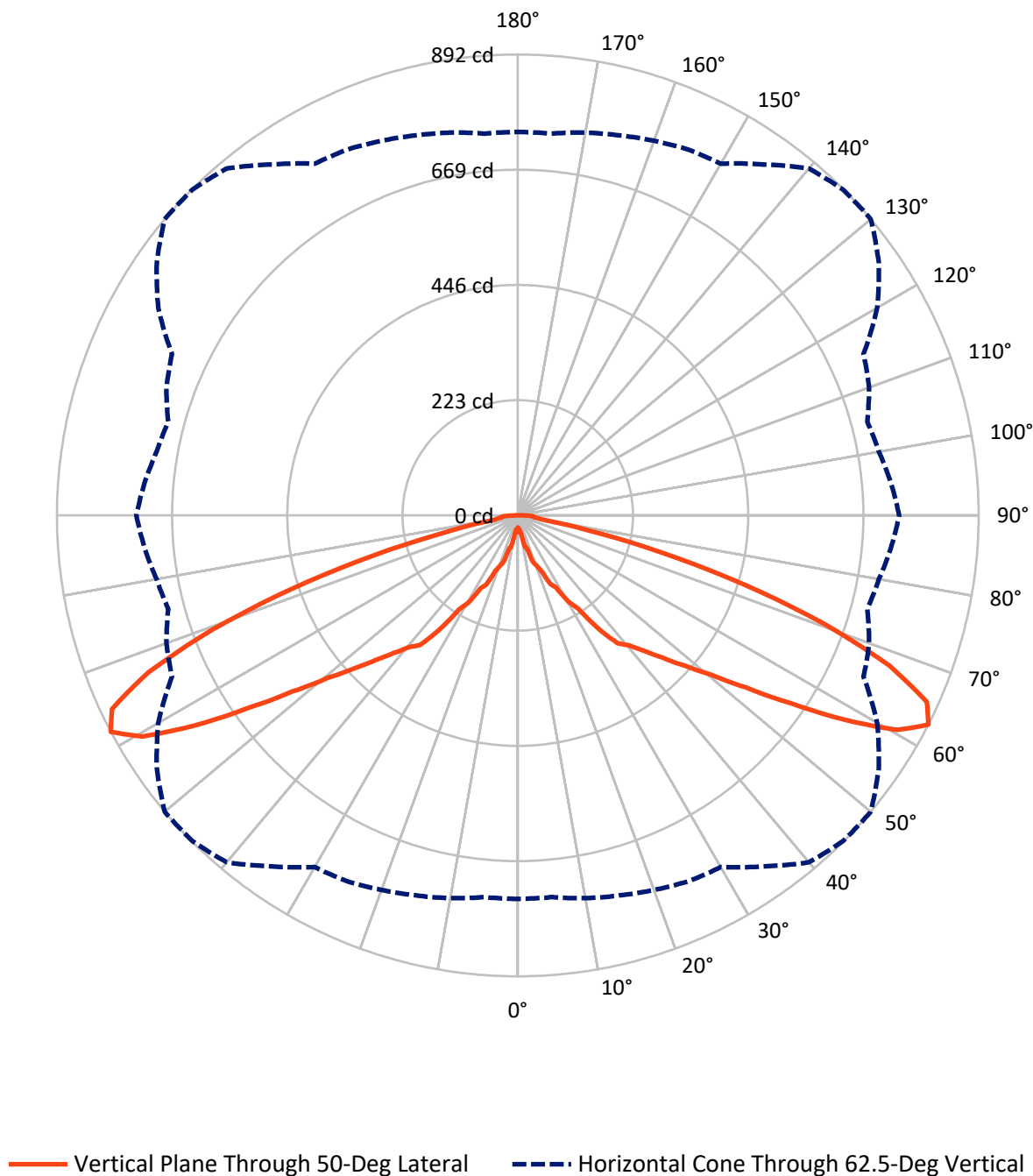


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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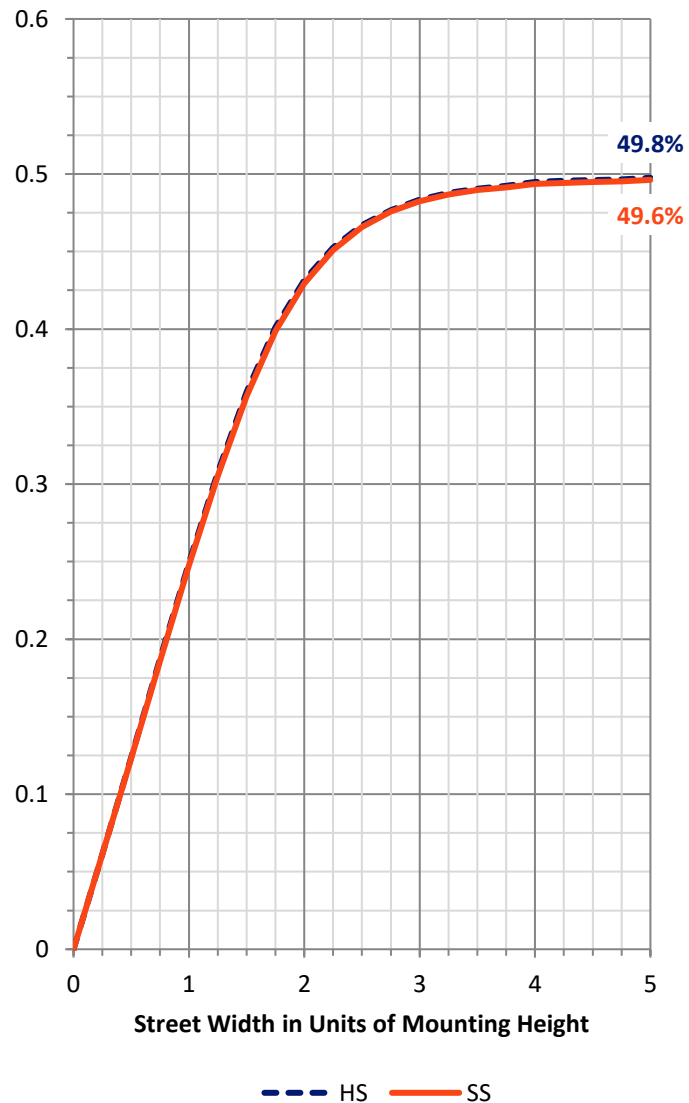
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.3	0.0	1061.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1061.3	0.0	1061.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2122.5	0.0	2122.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.2
10°-20°	20.4	1.0
20°-30°	68.0	3.2
30°-40°	174.1	8.2
40°-50°	322.7	15.2
50°-60°	586.4	27.6
60°-70°	691.2	32.6
70°-80°	226.7	10.7
80°-90°	29.7	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°	2122.5	100.0
0°-180°	2122.5	100.0

Coefficient of Utilization



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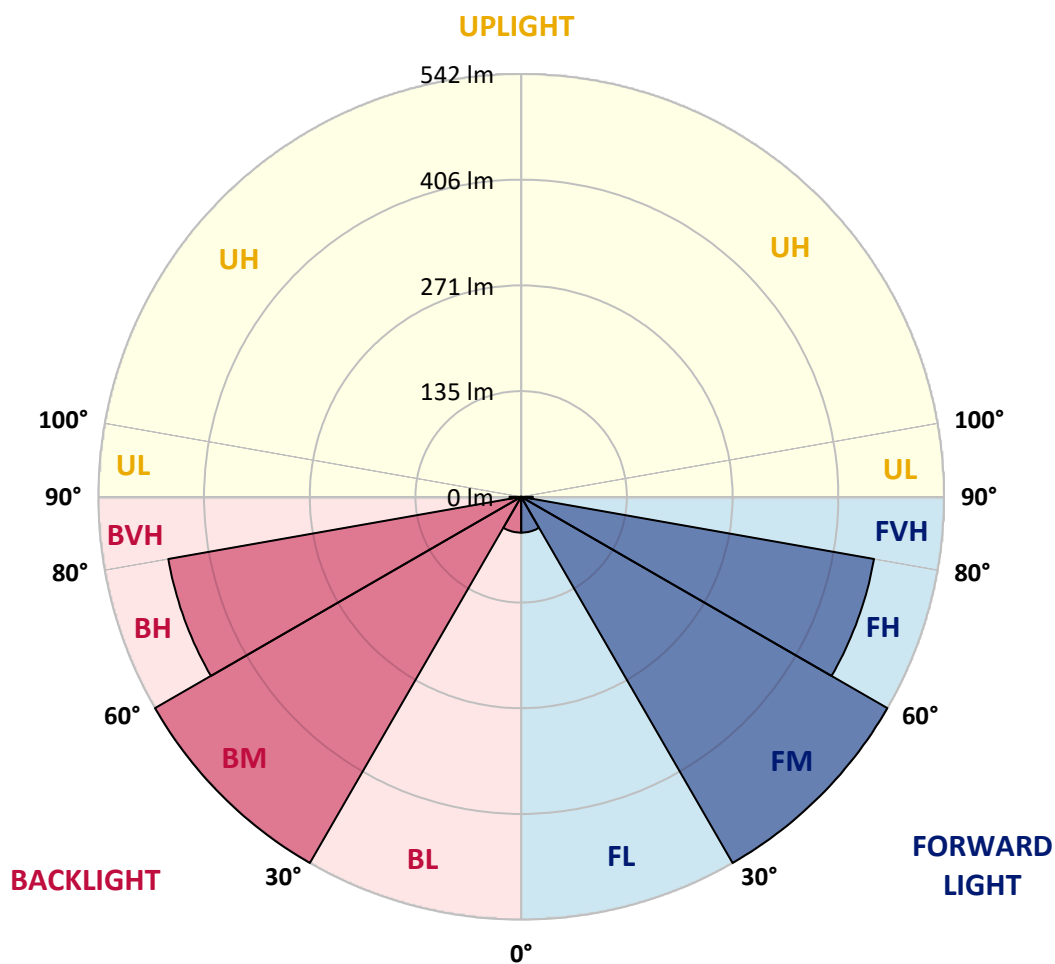
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.9	2.2			
FM	(30°-60°)	541.6	25.5			
FH	(60°-80°)	458.9	21.6			G0/660
FVH	(80°-90°)	14.9	0.7			G1/100
BL	(0°-30°)	45.9	2.2	B0/110		
BM	(30°-60°)	541.6	25.5	B1/1000		
BH	(60°-80°)	458.9	21.6	B1/500		G0/660
BVH	(80°-90°)	14.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	36.8	36.8	36.8	36.9	37.3	37.0	36.3	36.1	32.4	32.0	28.2
5°	27.0	27.0	27.2	27.1	27.2	28.0	27.5	28.0	27.3	28.3	32.8
7.5°	43.8	44.3	44.0	43.6	43.3	41.3	36.5	32.3	28.6	28.2	27.9
10°	46.9	47.1	46.9	46.8	46.7	46.7	46.4	45.0	44.6	43.6	37.2
12.5°	67.0	67.4	67.0	66.6	66.4	58.3	54.1	49.2	47.7	60.8	62.2
15°	70.9	71.6	70.9	70.4	70.2	69.1	68.1	78.7	77.7	66.2	65.9
17.5°	92.4	92.4	92.0	91.7	89.3	84.8	87.0	85.0	83.3	82.9	94.2
20°	105.8	104.0	100.9	96.0	93.3	104.1	105.3	102.2	94.8	99.6	103.5
22.5°	120.6	120.8	120.2	117.0	116.7	123.1	112.9	115.2	119.7	113.0	115.7
25°	149.0	148.8	146.6	136.0	133.9	131.6	131.3	134.5	127.6	137.5	147.4
27.5°	162.5	160.6	157.9	153.4	160.3	156.6	153.7	141.8	161.7	152.4	158.0
30°	198.8	197.8	192.6	189.7	188.0	175.2	170.5	181.4	176.6	178.5	193.7
32.5°	258.6	258.8	250.3	235.6	215.6	214.5	207.8	201.7	208.1	205.3	215.1
35°	312.9	305.8	288.0	282.6	272.2	267.5	260.4	250.6	255.2	253.8	270.1
37.5°	337.2	336.9	327.0	320.2	315.6	299.0	293.8	300.1	296.2	292.2	314.0
40°	389.2	388.4	377.8	367.5	356.9	332.2	324.2	319.0	314.8	315.6	330.2
42.5°	421.1	422.0	410.6	401.5	385.1	366.4	353.4	350.7	343.6	343.4	357.9
45°	456.9	456.6	448.2	435.9	419.1	404.4	386.6	384.9	378.7	378.4	392.6
47.5°	498.0	496.7	489.7	478.7	463.4	443.0	428.8	425.3	420.7	418.1	434.9
50°	554.0	553.7	545.1	531.6	519.2	499.2	481.9	473.4	471.5	468.2	484.6
52.5°	627.9	626.5	622.3	604.6	593.4	561.5	543.6	536.2	539.2	536.0	553.7
55°	708.0	704.4	702.6	686.5	678.0	647.4	626.5	623.2	626.7	629.5	643.1
57.5°	771.7	769.7	772.3	762.1	750.1	730.8	710.3	719.6	730.0	734.1	746.6
60°	785.3	786.6	792.6	793.3	791.4	787.5	774.4	796.6	826.1	836.0	843.0
62.5°	742.1	741.5	752.2	761.4	771.4	781.2	785.8	829.1	876.4	891.0	892.0
65°	665.8	666.4	679.4	688.9	701.3	717.2	744.5	791.3	855.9	874.0	870.3
67.5°	564.2	568.8	579.2	594.9	605.9	624.4	656.7	702.9	764.2	781.2	776.0
70°	440.0	445.3	456.3	466.2	482.6	505.9	525.0	575.6	624.5	638.4	630.5
72.5°	277.3	282.6	301.0	312.3	327.7	348.7	367.9	413.7	458.7	472.7	458.2
75°	98.2	102.8	119.9	135.7	152.3	176.8	202.7	242.8	289.4	306.7	286.2
77.5°	38.4	39.3	42.4	44.5	51.0	61.4	76.4	98.9	135.9	152.2	135.6
80°	33.7	35.4	37.2	38.4	38.5	37.9	37.2	39.1	47.3	52.9	46.1
82.5°	29.2	31.0	34.6	36.8	37.1	36.2	35.2	33.8	32.7	31.3	33.7
85°	21.5	26.0	31.0	34.0	34.6	33.9	33.4	32.0	29.7	26.8	30.4
87.5°	8.6	13.3	24.3	28.8	28.6	26.2	27.0	27.4	24.3	17.8	25.8
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°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	28.4	25.8	24.7	23.5	23.2	22.9	22.9	22.8
5°	35.4	36.8	35.9	30.9	25.1	24.6	23.5	23.4
7.5°	28.0	27.9	32.0	35.4	33.0	24.8	24.5	24.3
10°	31.2	40.1	40.7	42.0	52.1	44.0	37.3	36.4
12.5°	60.8	50.1	43.7	45.0	48.1	52.1	39.8	38.3
15°	64.3	64.4	70.4	63.2	62.1	69.5	56.8	58.8
17.5°	82.0	81.4	81.0	68.4	66.9	66.6	68.2	64.1
20°	94.2	89.7	107.6	112.2	102.6	99.2	101.0	100.1
22.5°	126.3	129.4	120.3	119.6	117.6	129.2	132.5	127.6
25°	132.8	146.8	161.1	161.4	155.0	150.2	157.7	151.4
27.5°	174.5	171.2	176.0	172.4	190.2	185.5	185.1	178.7
30°	189.4	196.4	206.7	205.6	211.7	208.8	205.6	216.4
32.5°	224.7	225.0	233.9	256.2	265.0	272.0	266.5	269.5
35°	274.6	289.4	293.8	292.4	294.4	303.4	296.4	296.3
37.5°	315.6	315.4	313.1	309.7	314.4	321.2	322.6	316.5
40°	335.2	335.0	336.3	338.5	345.8	350.0	357.4	347.4
42.5°	362.6	361.2	366.2	371.7	378.0	382.2	393.3	382.5
45°	398.3	397.6	401.8	406.0	411.2	413.3	428.2	428.6
47.5°	439.2	441.2	435.8	440.3	446.0	450.6	469.0	471.6
50°	488.5	493.2	480.4	484.2	491.4	501.8	516.1	526.3
52.5°	557.6	554.5	544.7	541.7	556.1	574.6	588.7	605.2
55°	647.0	636.2	625.2	619.9	635.7	660.4	674.8	696.3
57.5°	744.5	725.8	696.9	701.0	708.8	729.3	737.0	770.8
60°	822.5	791.5	746.4	736.0	733.2	744.1	765.3	782.3
62.5°	853.0	803.5	738.4	723.7	700.3	709.9	724.9	738.2
65°	819.1	755.3	690.4	664.1	637.2	646.4	654.3	662.6
67.5°	727.3	665.0	605.1	569.2	545.1	545.9	556.5	555.9
70°	592.2	532.0	481.6	452.1	427.9	423.6	429.6	434.6
72.5°	416.3	367.5	330.5	302.2	276.2	273.9	267.2	273.9
75°	239.4	192.6	162.9	133.4	106.7	101.2	92.0	93.5
77.5°	98.2	68.7	53.1	43.0	39.6	38.6	39.2	38.8
80°	39.8	36.5	35.7	35.6	36.3	36.8	37.0	35.2
82.5°	35.5	35.4	34.9	34.6	34.8	35.0	32.7	31.2
85°	33.2	33.2	32.5	32.0	32.1	31.1	27.8	24.7
87.5°	29.6	27.9	26.6	28.3	28.8	26.5	17.7	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)