

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: P156909

Luminaire Tested: **UTLD-E01-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156909
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2571.1 lumens
Efficiency: N/A
Efficacy: 104.1 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): 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

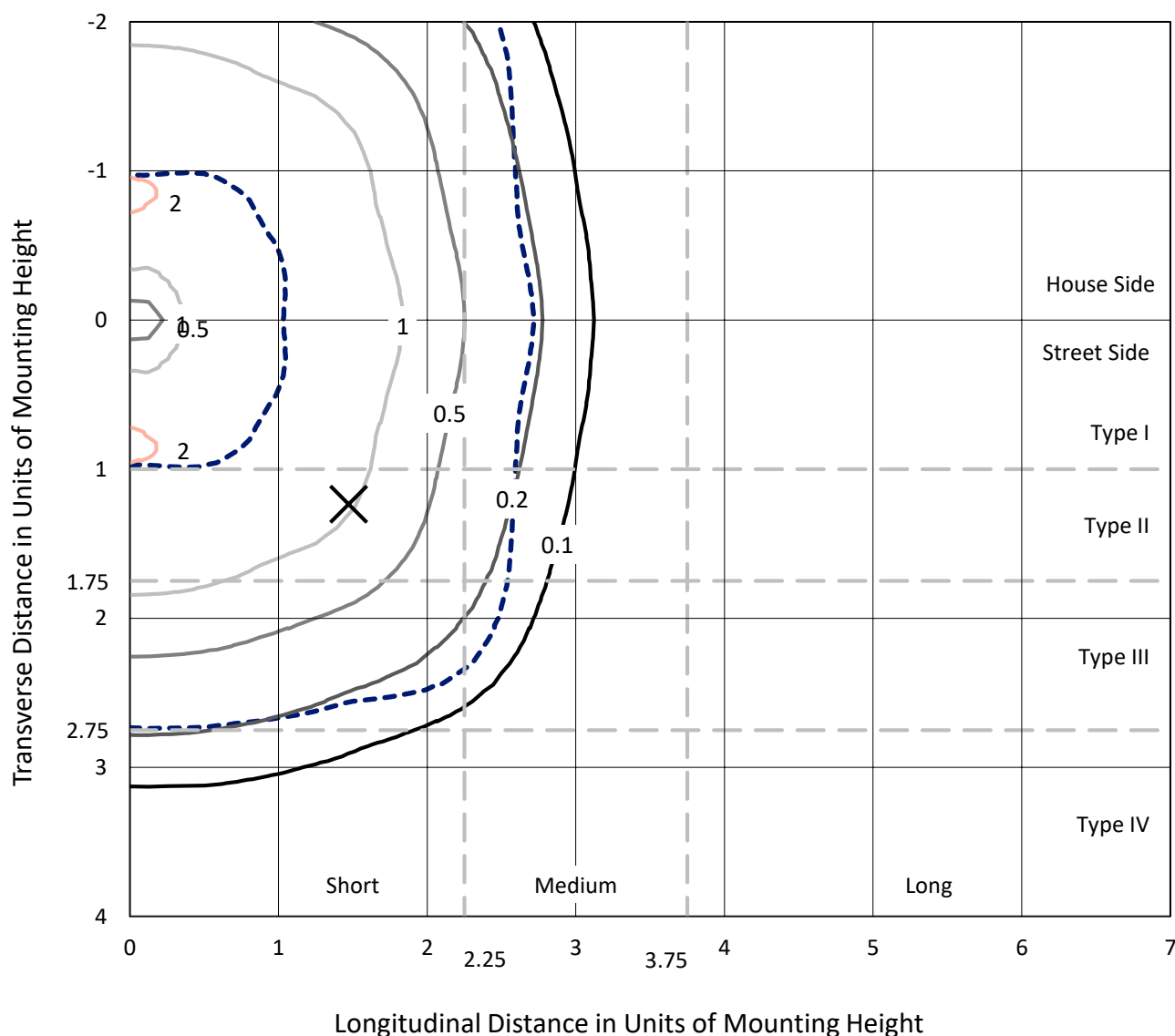


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

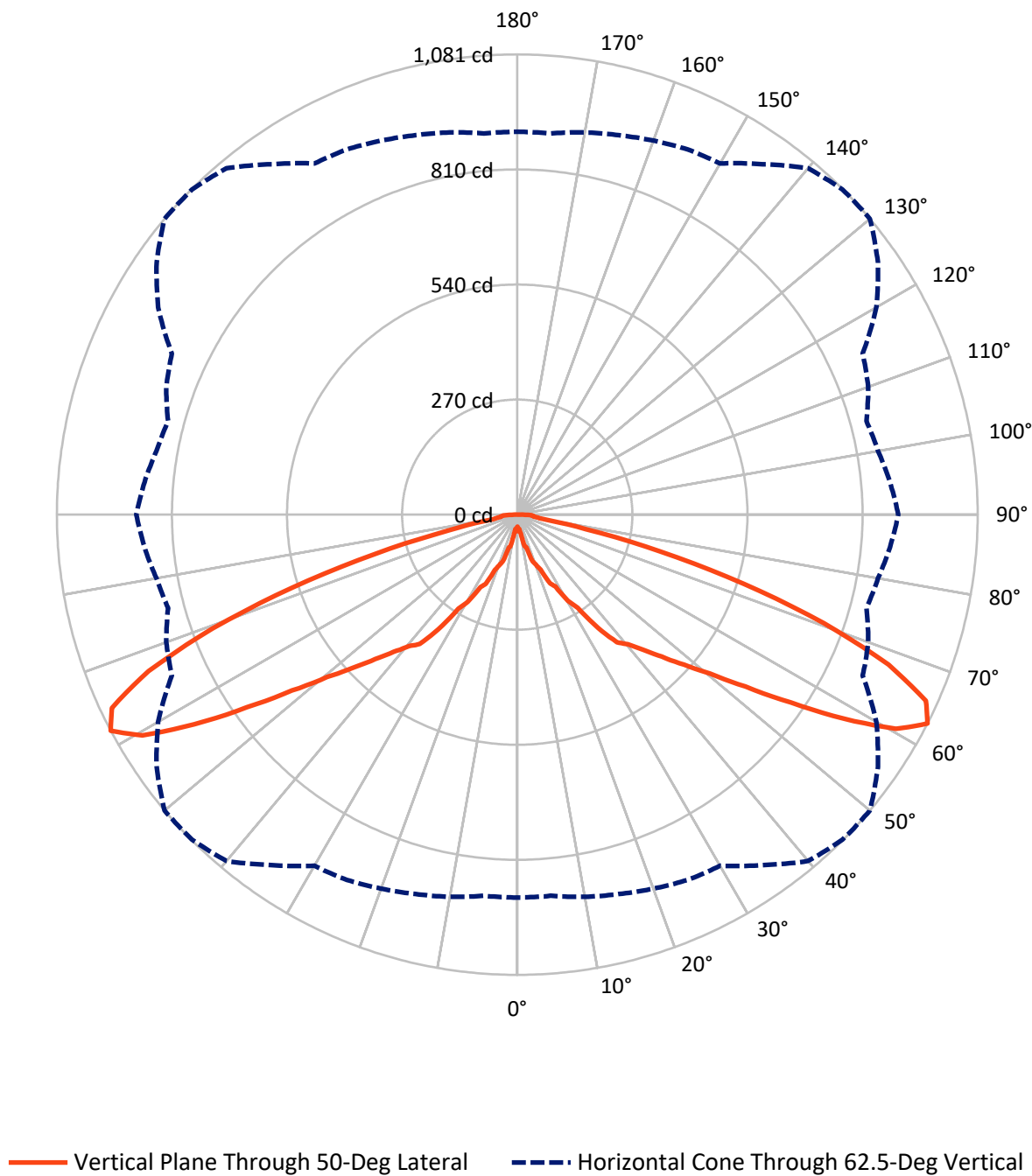


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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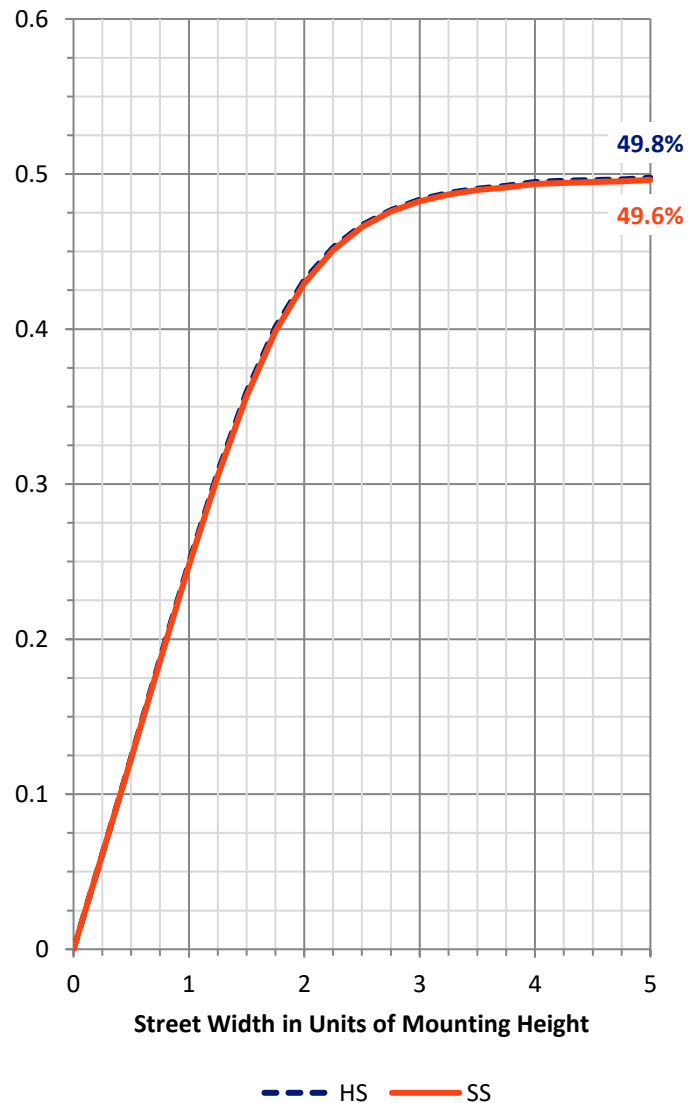
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1285.6	0.0	1285.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1285.6	0.0	1285.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2571.1	0.0	2571.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.2
10°-20°	24.8	1.0
20°-30°	82.4	3.2
30°-40°	210.9	8.2
40°-50°	390.9	15.2
50°-60°	710.3	27.6
60°-70°	837.3	32.6
70°-80°	274.6	10.7
80°-90°	36.0	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°	2571.1	100.0
0°-180°	2571.1	100.0

Coefficient of Utilization



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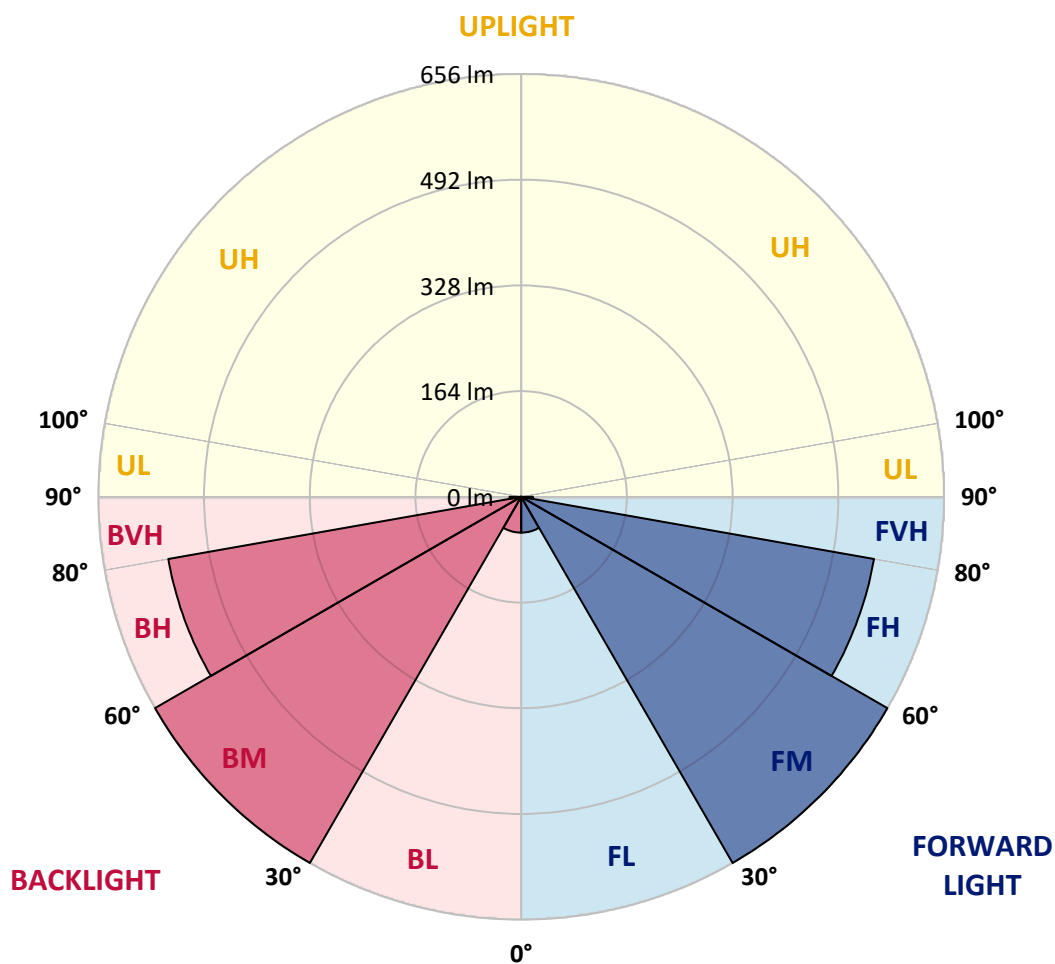
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.5	2.2			
FM	(30°-60°)	656.1	25.5			
FH	(60°-80°)	555.9	21.6			G0/660
FVH	(80°-90°)	18.0	0.7			G1/100
BL	(0°-30°)	55.5	2.2	B0/110		
BM	(30°-60°)	656.1	25.5	B1/1000		
BH	(60°-80°)	555.9	21.6	B2/1000		G0/660
BVH	(80°-90°)	18.0	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°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	44.6	44.6	44.5	44.8	45.2	44.9	44.1	43.7	39.2	38.7	34.1
5°	32.6	32.8	33.0	32.9	33.0	33.9	33.4	33.9	33.1	34.2	39.7
7.5°	53.0	53.7	53.3	52.9	52.4	50.0	44.2	39.2	34.6	34.2	33.8
10°	56.8	57.1	56.8	56.6	56.5	56.5	56.3	54.6	54.0	52.8	45.1
12.5°	81.1	81.6	81.2	80.6	80.4	70.7	65.5	59.6	57.8	73.6	75.4
15°	85.8	86.8	85.9	85.3	85.1	83.7	82.6	95.4	94.1	80.3	79.8
17.5°	111.9	112.0	111.4	111.1	108.1	102.8	105.4	102.8	100.9	100.5	114.0
20°	128.1	126.0	122.2	116.3	113.0	126.0	127.6	123.8	114.8	120.7	125.4
22.5°	146.1	146.3	145.6	141.8	141.4	149.1	136.8	139.5	145.0	136.9	140.2
25°	180.4	180.3	177.5	164.7	162.2	159.4	159.0	162.9	154.6	166.6	178.6
27.5°	196.8	194.5	191.2	185.8	194.2	189.6	186.2	171.8	195.9	184.6	191.4
30°	240.9	239.5	233.2	229.8	227.7	212.2	206.5	219.8	214.0	216.2	234.8
32.5°	313.3	313.5	303.2	285.3	261.2	259.8	251.8	244.3	252.1	248.7	260.5
35°	379.0	370.4	348.8	342.4	329.7	324.0	315.4	303.6	309.2	307.4	327.2
37.5°	408.5	408.0	396.2	387.8	382.3	362.3	356.0	363.5	358.7	354.0	380.4
40°	471.5	470.5	457.6	445.2	432.4	402.4	392.7	386.3	381.3	382.4	400.0
42.5°	510.1	511.2	497.4	486.4	466.5	443.9	428.1	424.8	416.2	416.0	433.5
45°	553.5	553.0	542.8	528.0	507.7	489.8	468.3	466.2	458.7	458.4	475.5
47.5°	603.3	601.7	593.2	579.9	561.4	536.6	519.4	515.2	509.6	506.4	526.8
50°	671.1	670.8	660.4	643.9	629.0	604.8	583.7	573.5	571.2	567.1	587.1
52.5°	760.6	758.9	753.8	732.3	718.8	680.2	658.4	649.5	653.2	649.3	670.8
55°	857.6	853.3	851.1	831.6	821.3	784.2	758.9	755.0	759.1	762.6	779.0
57.5°	934.8	932.3	935.6	923.2	908.6	885.2	860.4	871.7	884.2	889.3	904.3
60°	951.2	952.9	960.0	961.0	958.7	954.0	938.1	965.0	1000.7	1012.7	1021.2
62.5°	899.0	898.3	911.2	922.2	934.5	946.3	952.0	1004.4	1061.7	1079.4	1080.6
65°	806.5	807.3	823.0	834.5	849.5	868.9	901.8	958.6	1036.8	1058.8	1054.2
67.5°	683.4	689.0	701.6	720.6	734.0	756.3	795.6	851.5	925.8	946.2	940.1
70°	533.0	539.4	552.7	564.7	584.5	612.9	635.9	697.2	756.5	773.4	763.8
72.5°	335.9	342.3	364.6	378.4	397.0	422.4	445.6	501.1	555.6	572.6	555.1
75°	119.0	124.6	145.2	164.4	184.5	214.2	245.6	294.1	350.5	371.5	346.7
77.5°	46.6	47.6	51.4	53.9	61.8	74.3	92.4	119.8	164.6	184.4	164.2
80°	40.9	42.8	45.1	46.6	46.7	45.9	45.1	47.4	57.3	64.0	55.8
82.5°	35.4	37.6	41.9	44.6	45.0	43.8	42.6	41.0	39.6	37.9	40.8
85°	26.0	31.5	37.6	41.2	41.9	41.0	40.6	38.8	36.0	32.6	36.9
87.5°	10.5	16.1	29.5	35.0	34.7	31.8	32.7	33.2	29.4	21.6	31.3
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°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	34.5	31.2	29.9	28.4	28.1	27.8	27.8	27.6
5°	42.8	44.6	43.5	37.5	30.4	29.8	28.4	28.3
7.5°	33.9	33.8	38.8	42.9	40.0	30.0	29.7	29.4
10°	37.8	48.5	49.3	50.9	63.1	53.3	45.2	44.0
12.5°	73.6	60.6	53.0	54.6	58.2	63.1	48.3	46.4
15°	77.9	78.0	85.3	76.6	75.2	84.2	68.9	71.2
17.5°	99.3	98.5	98.2	82.8	81.1	80.6	82.6	77.6
20°	114.2	108.7	130.4	136.0	124.2	120.1	122.4	121.2
22.5°	153.0	156.8	145.8	144.9	142.4	156.5	160.5	154.6
25°	160.9	177.8	195.1	195.5	187.8	182.0	191.0	183.4
27.5°	211.4	207.3	213.2	208.8	230.4	224.7	224.2	216.5
30°	229.4	238.0	250.4	249.0	256.4	252.9	249.1	262.1
32.5°	272.2	272.5	283.4	310.3	321.0	329.5	322.9	326.5
35°	332.7	350.6	355.8	354.2	356.5	367.5	359.0	359.0
37.5°	382.2	382.1	379.3	375.2	380.9	389.1	390.7	383.4
40°	406.0	405.8	407.4	410.0	418.9	424.0	432.9	420.8
42.5°	439.2	437.5	443.6	450.3	457.9	463.0	476.4	463.3
45°	482.5	481.6	486.7	491.8	498.1	500.6	518.7	519.2
47.5°	532.0	534.4	527.9	533.4	540.2	545.8	568.1	571.3
50°	591.7	597.4	581.9	586.6	595.3	607.8	625.2	637.5
52.5°	675.4	671.6	659.8	656.2	673.6	696.0	713.1	733.2
55°	783.8	770.6	757.4	750.9	770.0	800.0	817.4	843.4
57.5°	901.8	879.2	844.2	849.2	858.7	883.4	892.8	933.7
60°	996.4	958.8	904.2	891.6	888.2	901.4	927.1	947.6
62.5°	1033.2	973.3	894.5	876.7	848.4	859.9	878.1	894.2
65°	992.3	915.0	836.3	804.4	771.9	783.0	792.5	802.6
67.5°	881.0	805.6	732.9	689.6	660.2	661.3	674.2	673.4
70°	717.4	644.5	583.4	547.7	518.3	513.1	520.4	526.6
72.5°	504.3	445.1	400.3	366.1	334.5	331.8	323.6	331.8
75°	290.0	233.3	197.3	161.5	129.2	122.6	111.4	113.2
77.5°	119.0	83.2	64.4	52.0	47.9	46.8	47.5	47.0
80°	48.2	44.2	43.3	43.2	44.0	44.5	44.8	42.7
82.5°	43.0	42.9	42.2	41.9	42.1	42.3	39.6	37.9
85°	40.3	40.2	39.4	38.8	38.9	37.7	33.7	29.9
87.5°	35.8	33.8	32.3	34.2	35.0	32.1	21.5	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)