

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: P156970

Luminaire Tested: **UTLD-E01-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156970
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
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-5XQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2843 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-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



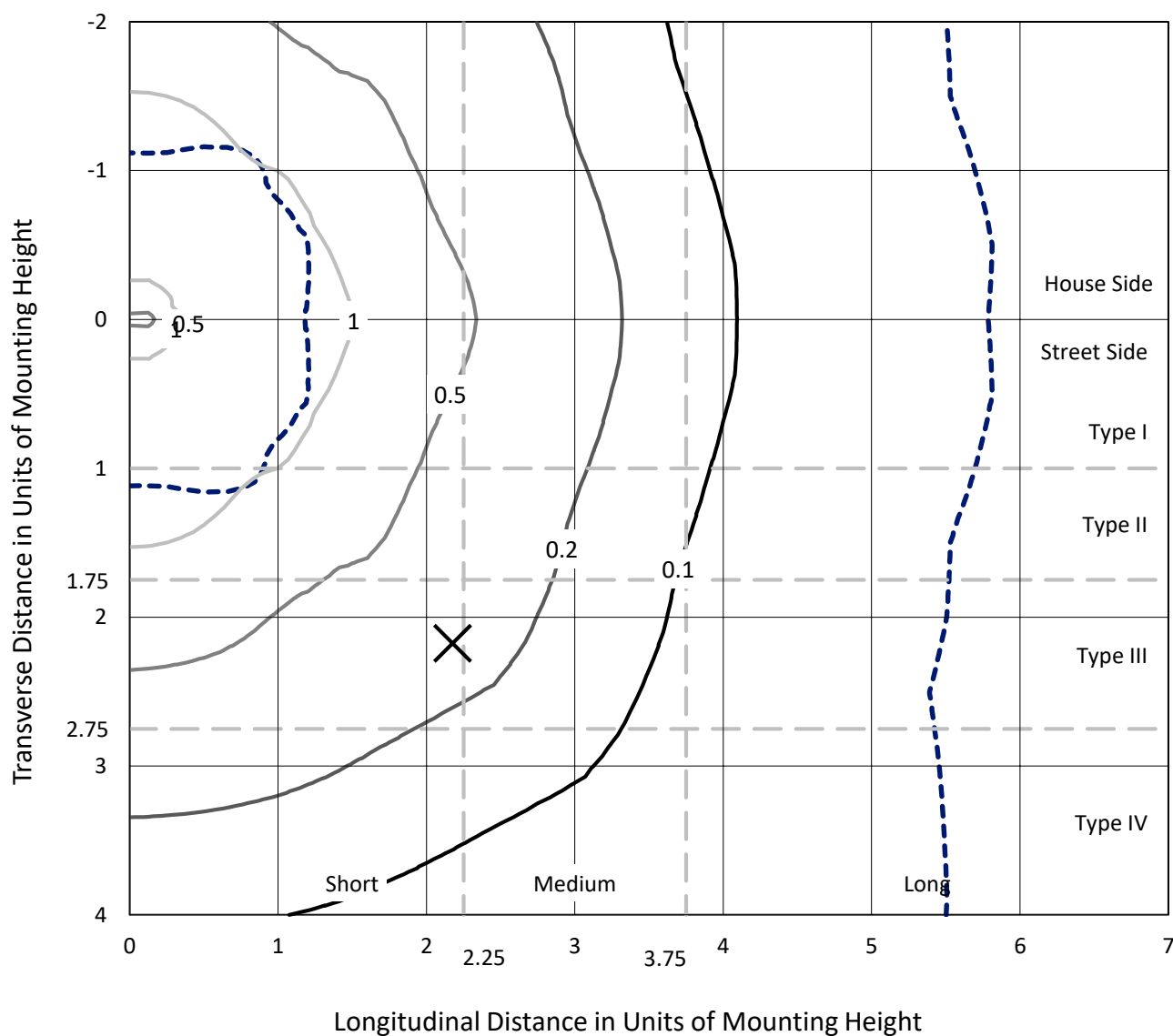
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

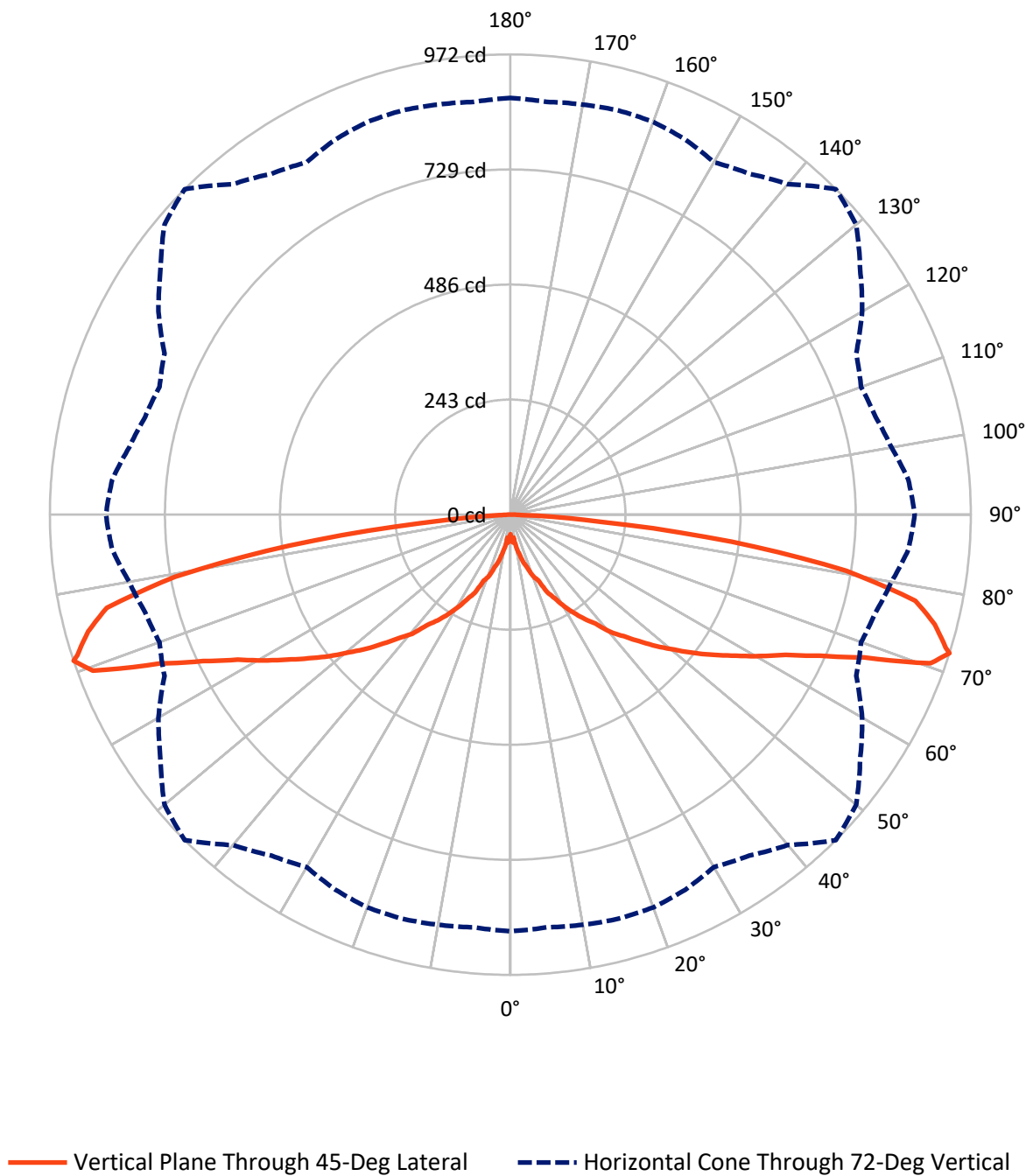


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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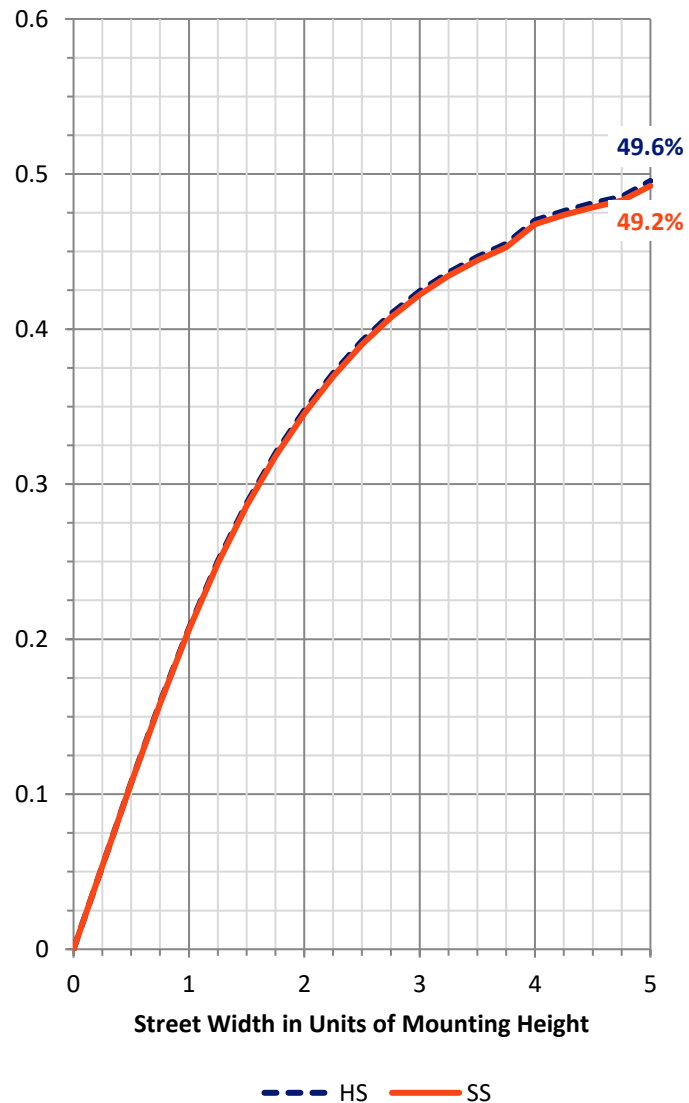
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1421.5	0.0	1421.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1421.5	0.0	1421.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2843.0	0.0	2843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.2
10°-20°	30.2	1.1
20°-30°	89.7	3.2
30°-40°	182.2	6.4
40°-50°	310.8	10.9
50°-60°	482.2	17.0
60°-70°	723.0	25.4
70°-80°	836.3	29.4
80°-90°	183.0	6.4
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°	2843.0	100.0
0°-180°	2843.0	100.0

Coefficient of Utilization



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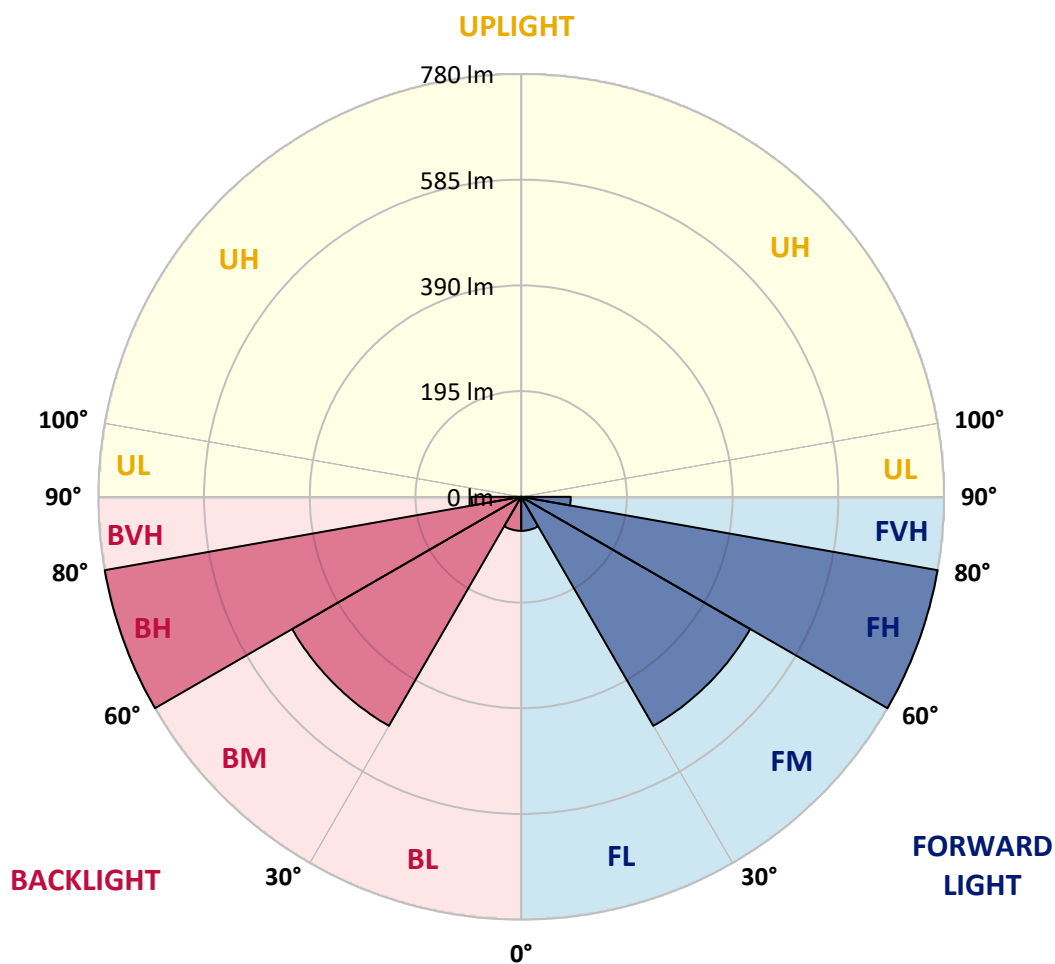
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.7	2.2			
FM	(30°-60°)	487.6	17.2			
FH	(60°-80°)	779.7	27.4			G1/1800
FVH	(80°-90°)	91.5	3.2			G1/100
BL	(0°-30°)	62.7	2.2	B0/110		
BM	(30°-60°)	487.6	17.2	B1/1000		
BH	(60°-80°)	779.7	27.4	B2/1000		G1/1800
BVH	(80°-90°)	91.5	3.2			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°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	65.5	64.5	65.0	64.5	64.5	64.0	57.5	55.5	55.5	56.0	55.0
5°	48.5	49.0	48.5	50.0	51.0	49.0	49.0	50.0	50.5	59.0	60.0
7.5°	75.0	75.5	75.0	74.5	69.0	63.5	62.5	61.0	50.0	49.0	48.0
10°	78.0	78.0	79.0	77.0	76.5	76.5	76.0	75.5	72.5	71.0	60.5
12.5°	104.0	105.0	104.5	103.5	103.0	90.5	88.5	79.0	75.5	86.0	95.0
15°	108.5	108.0	109.0	107.0	106.0	106.0	101.5	105.5	113.0	104.5	98.0
17.5°	134.5	134.5	134.5	133.5	130.0	120.0	121.0	123.0	122.5	119.0	123.0
20°	150.5	150.5	149.5	140.0	133.5	139.5	148.0	143.5	137.5	139.5	143.0
22.5°	165.5	166.0	165.0	162.0	161.5	166.5	159.0	154.5	164.5	150.5	157.5
25°	195.0	195.5	194.0	180.0	178.0	178.0	177.0	179.5	173.0	181.5	193.5
27.5°	211.0	202.0	200.5	196.5	205.0	201.5	200.0	189.0	211.5	200.0	208.0
30°	235.0	235.0	233.0	230.5	229.0	218.5	214.5	221.5	222.5	225.0	246.0
32.5°	271.0	272.0	266.5	253.0	244.0	242.0	245.0	244.0	246.5	248.0	265.5
35°	300.5	301.0	291.0	282.0	275.5	269.0	267.5	264.0	270.5	271.0	284.5
37.5°	332.0	335.0	325.5	321.0	310.5	300.5	289.0	287.5	294.5	292.0	313.5
40°	379.0	380.5	372.0	362.0	340.0	328.5	315.5	314.0	314.5	326.0	336.5
42.5°	408.0	408.5	401.0	389.0	376.0	362.5	344.5	338.0	341.0	351.0	360.5
45°	440.5	440.0	433.5	424.0	410.5	393.0	371.5	366.0	369.0	381.5	390.0
47.5°	474.0	473.0	468.5	457.5	441.0	422.0	400.5	398.5	398.5	415.0	422.0
50°	506.5	507.0	502.5	492.0	472.0	453.5	436.5	428.5	431.0	448.0	456.0
52.5°	543.0	544.0	537.5	526.5	505.0	491.0	474.0	462.0	462.0	485.5	492.5
55°	581.0	581.5	577.5	563.5	547.0	530.5	510.5	496.0	496.5	522.5	528.5
57.5°	620.0	619.0	614.5	604.0	593.0	566.5	545.0	532.0	535.5	562.0	566.5
60°	661.0	660.5	656.0	646.0	629.5	597.0	584.5	576.5	573.5	606.5	607.0
62.5°	708.0	706.0	702.5	693.5	671.0	641.5	628.0	624.0	618.0	652.0	653.5
65°	766.0	762.5	760.0	750.0	727.5	693.0	675.5	680.0	676.0	718.0	712.5
67.5°	855.5	849.0	841.0	832.0	807.0	775.5	751.5	761.5	759.0	805.0	803.0
70°	928.0	924.0	923.5	922.5	910.5	890.5	864.0	872.5	883.0	941.0	935.0
72°	880.0	875.0	879.5	883.5	882.5	874.0	859.5	879.0	911.0	972.0	953.0
72.5°	868.5	863.5	866.5	870.0	870.0	862.0	849.0	867.5	901.5	961.0	943.0
75°	815.0	813.5	816.0	820.5	825.5	821.5	819.5	831.0	866.5	925.0	902.5
77.5°	727.0	729.0	732.0	738.5	748.0	752.5	764.0	782.0	822.0	874.0	855.5
80°	555.0	552.0	559.5	573.0	583.0	593.0	608.5	630.5	672.5	719.5	691.0
82.5°	185.5	207.5	219.5	245.5	279.5	303.0	336.5	380.5	432.0	471.0	435.5
85°	16.0	19.0	26.5	36.5	47.0	62.5	94.5	118.5	156.5	191.5	162.0
87.5°	4.0	6.5	11.5	16.0	16.5	17.0	19.0	20.5	22.5	23.0	28.5
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°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	54.0	51.5	47.0	42.5	42.0	41.5	41.0	40.5
5°	60.5	64.0	55.5	54.5	52.5	43.0	41.5	40.5
7.5°	48.5	49.0	57.0	57.0	51.5	50.0	41.5	40.5
10°	54.0	52.5	64.5	75.5	78.5	73.0	61.0	60.0
12.5°	92.0	80.0	69.0	70.0	78.5	76.0	68.0	59.5
15°	97.5	94.0	95.5	95.0	94.0	100.5	90.5	88.5
17.5°	120.0	116.5	115.5	103.0	97.5	98.0	100.5	94.0
20°	129.0	129.5	156.0	156.5	146.5	145.0	144.5	143.0
22.5°	174.5	173.5	168.0	166.0	156.0	185.0	189.0	189.0
25°	183.0	197.5	218.0	217.5	212.0	203.5	205.0	195.5
27.5°	228.0	228.0	227.5	232.5	240.0	235.5	232.5	228.0
30°	237.5	253.0	257.0	249.5	253.0	258.0	263.5	268.5
32.5°	265.0	262.5	277.0	283.5	289.0	293.0	280.0	285.0
35°	287.0	296.0	298.5	298.5	302.5	305.0	296.5	296.5
37.5°	312.0	316.0	314.0	317.0	318.5	324.0	323.0	320.5
40°	333.0	337.0	336.0	338.0	337.5	347.0	350.0	339.5
42.5°	359.5	362.0	360.5	361.5	368.0	372.5	382.0	375.5
45°	386.0	388.5	387.0	388.5	399.5	401.5	414.5	413.5
47.5°	416.5	417.0	417.0	422.0	431.5	433.0	447.5	447.0
50°	449.0	451.5	447.0	453.5	464.0	470.5	482.5	489.0
52.5°	485.5	487.5	476.0	492.0	500.5	510.5	516.5	527.0
55°	518.5	521.5	509.5	525.5	533.5	543.0	558.0	567.5
57.5°	553.5	551.5	551.5	555.5	563.0	576.0	595.5	613.0
60°	593.5	586.5	585.5	585.5	600.0	622.5	638.0	656.0
62.5°	640.0	628.5	630.5	623.5	640.5	668.0	686.5	709.0
65°	695.5	682.0	679.0	675.5	688.0	718.5	747.0	764.0
67.5°	778.0	758.0	747.0	743.5	758.0	787.0	823.0	841.0
70°	900.5	865.5	828.0	819.5	820.0	848.5	878.0	894.5
72°	901.5	857.5	805.5	788.0	798.0	817.0	843.5	853.5
72.5°	888.0	846.0	791.5	778.5	793.5	808.0	837.0	844.5
75°	857.5	815.5	761.0	752.5	758.5	768.0	795.5	798.0
77.5°	807.0	760.0	694.0	677.5	663.0	683.0	703.5	697.0
80°	647.5	594.0	531.5	519.0	494.0	507.5	519.5	510.0
82.5°	380.5	317.0	262.0	231.0	191.5	182.0	186.0	156.0
85°	121.0	81.0	57.0	38.5	34.0	26.5	22.0	19.0
87.5°	26.5	22.0	20.0	18.5	18.5	15.5	11.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)