

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: P156942

Luminaire Tested: **UTLD-E01-LED-E-U-5WQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156942
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
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-5WQ-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2899.2 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-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

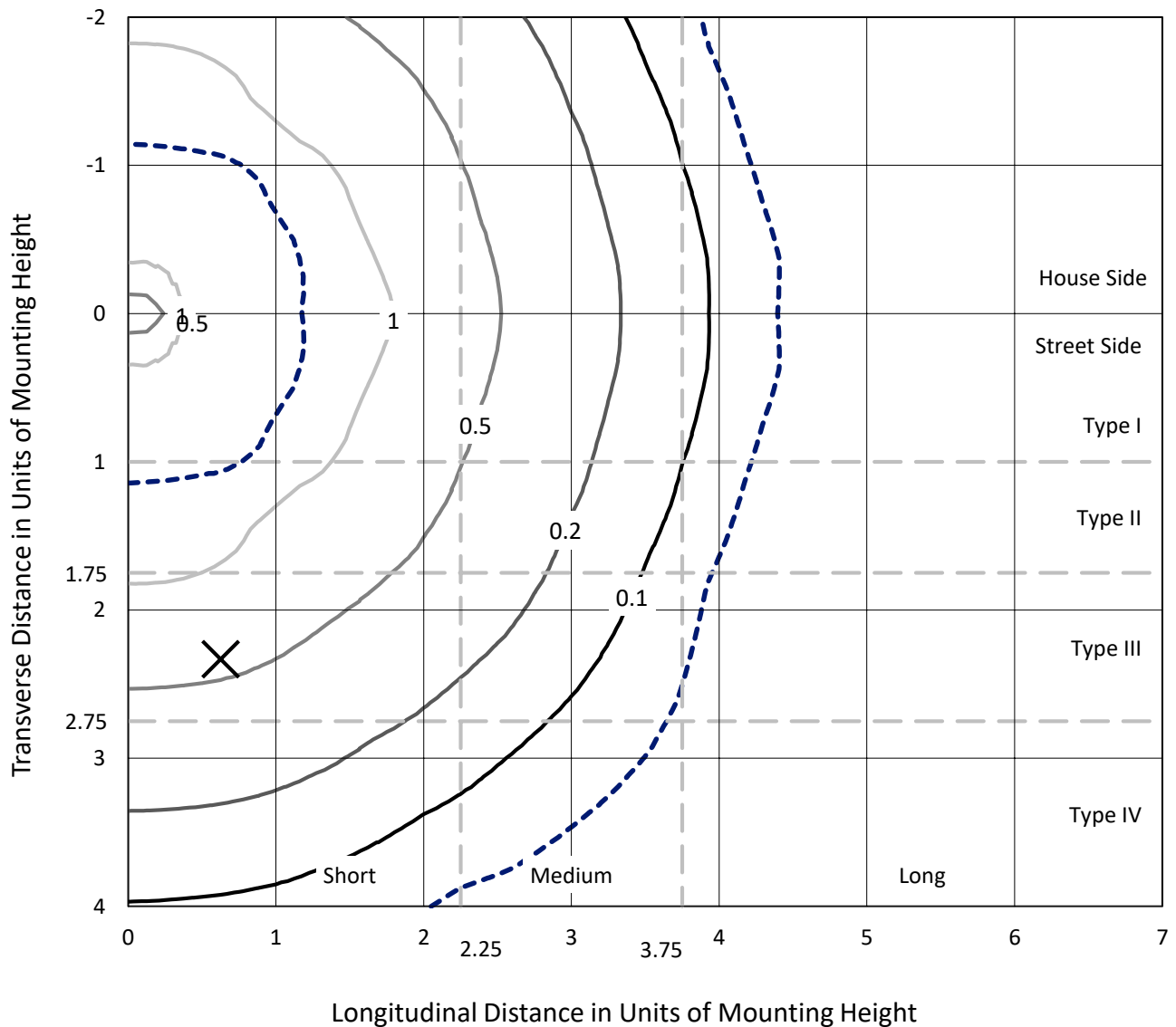


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

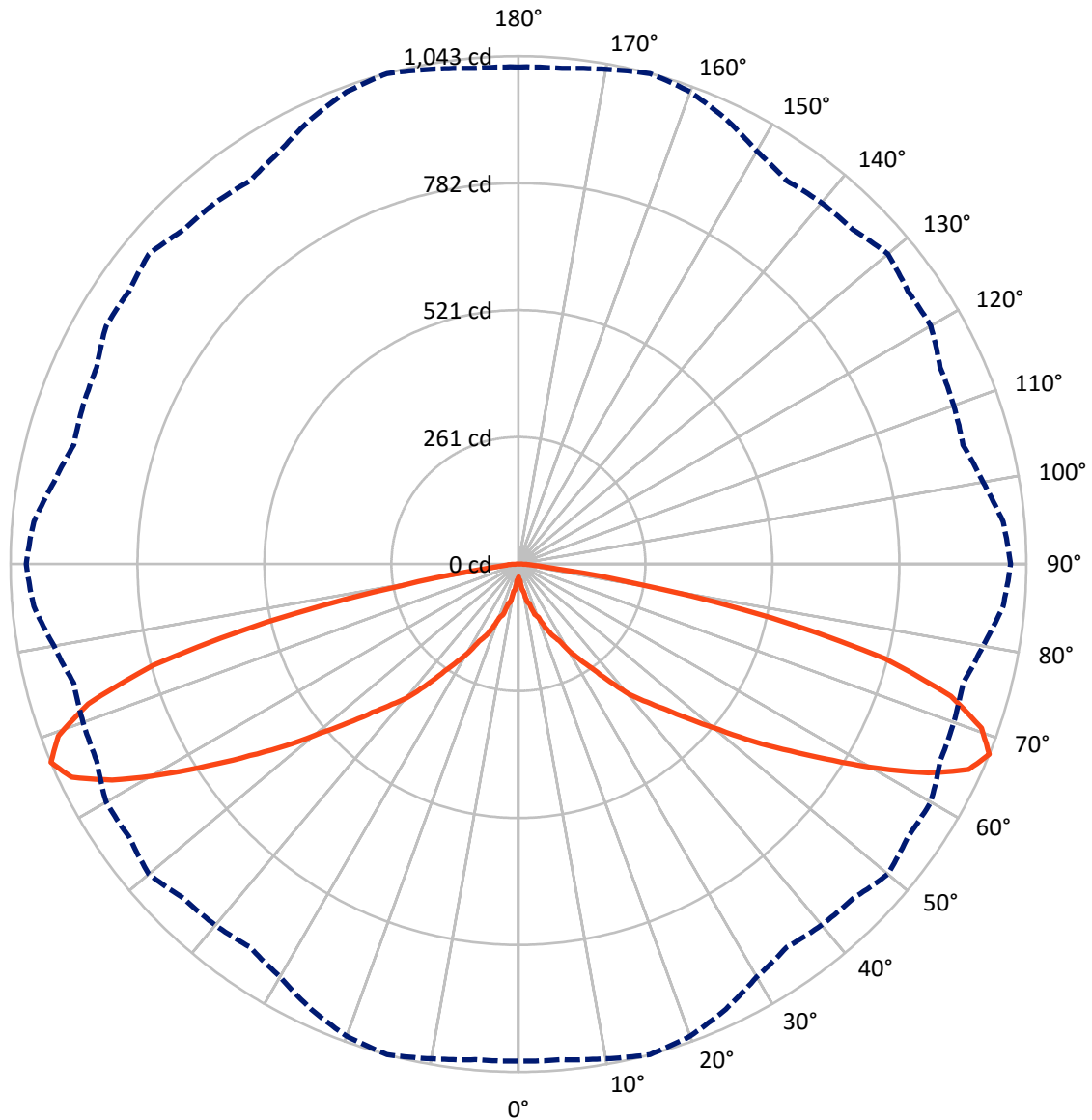


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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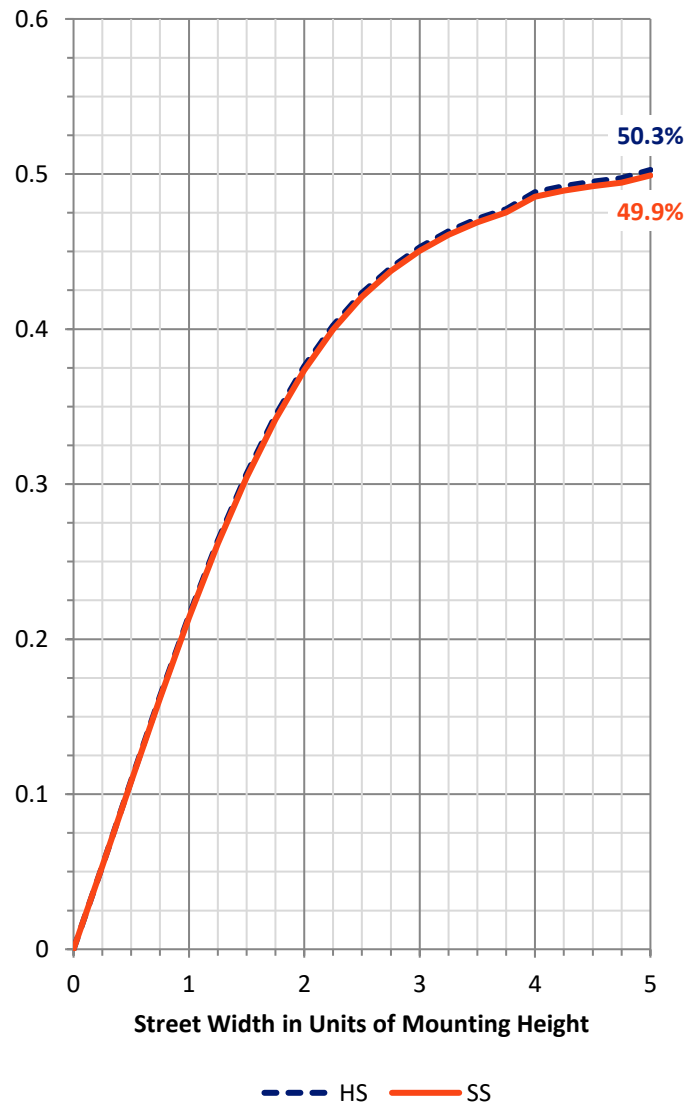
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.6	0.0	1449.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1449.6	0.0	1449.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2899.2	0.0	2899.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	24.0	0.8
20°-30°	79.3	2.7
30°-40°	171.6	5.9
40°-50°	321.0	11.1
50°-60°	582.4	20.1
60°-70°	921.2	31.8
70°-80°	724.3	25.0
80°-90°	71.6	2.5
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°	2899.2	100.0
0°-180°	2899.2	100.0



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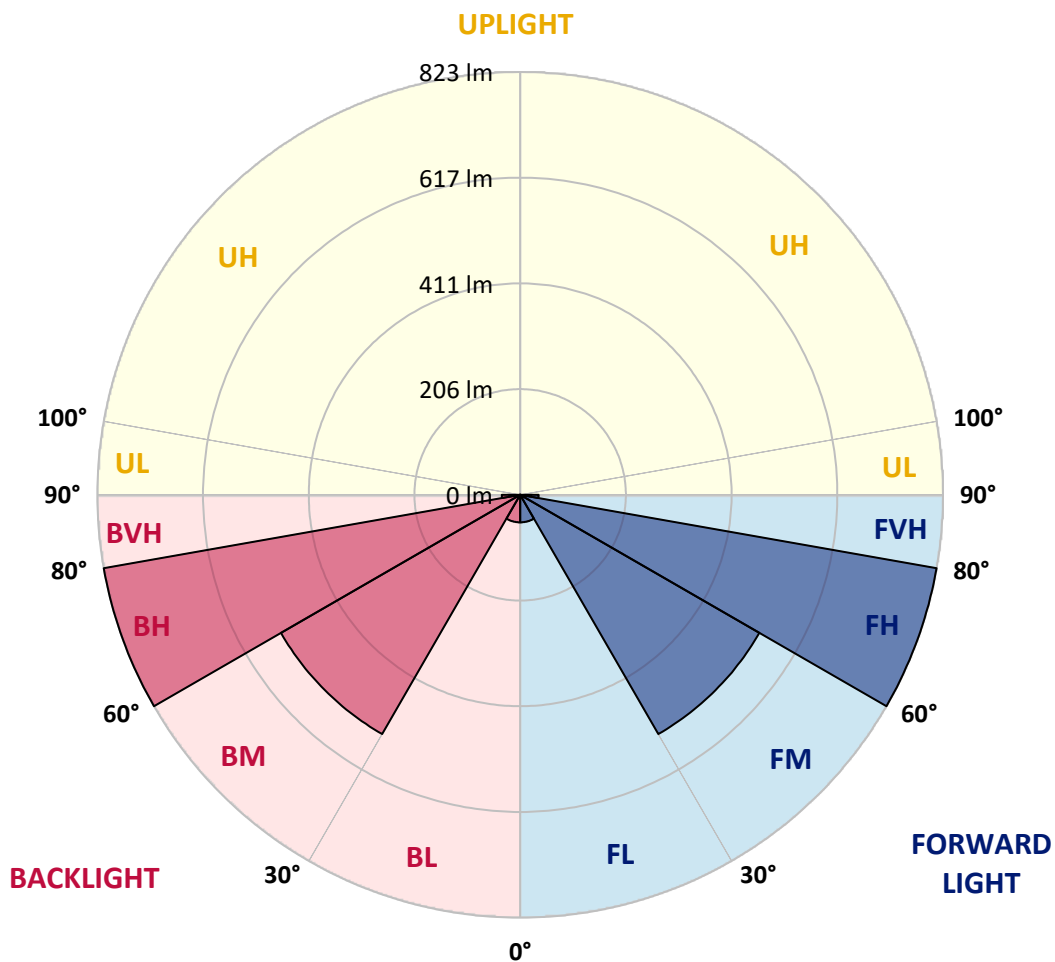
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.6	1.8			
FM	(30°-60°)	537.5	18.5			
FH	(60°-80°)	822.8	28.4			G1/1800
FVH	(80°-90°)	35.8	1.2			G1/100
BL	(0°-30°)	53.6	1.8	B0/110		
BM	(30°-60°)	537.5	18.5	B1/1000		
BH	(60°-80°)	822.8	28.4	B2/1000		G1/1800
BVH	(80°-90°)	35.8	1.2			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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
2.5°	41.8	41.7	41.7	41.7	42.2	40.9	39.0	37.6	36.7	36.6	35.6
5°	33.1	33.0	33.0	33.1	33.0	33.3	33.2	34.1	34.0	36.3	39.4
7.5°	53.1	53.4	53.2	52.6	51.3	47.6	44.8	42.5	35.6	34.8	33.7
10°	57.4	57.4	57.5	56.6	56.7	56.7	56.2	55.2	54.4	52.7	44.9
12.5°	79.5	79.8	79.9	79.4	77.7	70.0	67.9	60.4	58.8	68.9	71.0
15°	86.0	86.3	86.1	84.6	84.2	83.2	81.8	88.0	89.9	82.1	76.3
17.5°	110.0	110.4	109.9	109.0	106.8	100.2	102.2	100.3	99.2	97.4	103.1
20°	126.8	127.5	121.8	116.6	113.4	118.5	124.6	122.1	115.3	116.1	119.4
22.5°	144.7	144.7	144.2	141.5	141.5	148.3	137.0	134.7	143.0	133.1	129.4
25°	174.7	173.9	172.4	162.0	158.6	157.9	155.7	160.4	153.9	167.0	174.7
27.5°	185.8	185.0	181.1	177.9	186.2	183.5	180.3	168.1	193.6	181.1	185.2
30°	214.4	214.4	211.1	209.0	210.9	198.7	194.6	209.0	204.8	206.5	225.0
32.5°	251.9	252.2	247.8	235.6	224.5	226.6	224.7	225.7	232.2	230.5	241.3
35°	293.2	282.8	275.8	266.5	260.2	257.4	253.7	245.6	255.0	252.9	264.1
37.5°	317.4	318.4	312.6	307.2	303.1	285.1	277.4	280.6	281.0	275.8	295.1
40°	367.0	367.6	359.2	352.8	346.2	323.4	311.0	307.9	308.8	309.5	323.1
42.5°	399.9	399.9	393.3	387.6	376.1	361.1	348.5	342.2	343.6	342.1	356.7
45°	438.6	439.4	434.2	427.1	414.7	406.1	387.5	383.1	383.6	381.2	397.3
47.5°	488.0	487.8	485.7	477.9	467.6	452.8	439.8	429.0	430.2	428.6	445.5
50°	545.6	545.6	544.3	534.5	528.4	512.7	495.8	482.5	481.9	482.0	501.1
52.5°	610.0	610.8	612.7	605.9	596.8	575.0	554.9	540.9	540.1	541.5	564.0
55°	681.8	685.4	684.9	677.4	671.6	647.1	620.3	607.1	603.5	606.3	628.6
57.5°	762.4	764.2	766.2	760.3	746.2	724.3	687.9	677.0	671.1	676.8	700.3
60°	851.6	855.9	855.4	852.6	836.5	812.4	762.6	752.3	748.9	751.8	777.5
62.5°	945.6	945.7	951.1	944.9	929.6	905.7	849.1	830.9	826.1	828.4	856.2
65°	1011.2	1012.0	1018.0	1016.6	1004.8	979.0	937.4	907.1	907.6	910.5	936.2
67.5°	1020.7	1021.6	1031.5	1042.9	1031.6	1008.3	978.9	960.6	968.4	971.4	990.6
70°	982.5	984.4	996.2	1008.6	1006.2	988.4	962.2	955.8	963.6	970.2	988.3
72.5°	907.6	908.6	917.3	928.6	919.6	904.1	874.2	885.0	883.9	892.4	910.3
75°	770.4	766.8	775.6	778.6	763.3	747.3	722.7	740.2	732.6	740.0	749.1
77.5°	517.6	514.0	517.5	530.2	519.5	517.9	511.5	531.1	534.4	539.0	539.6
80°	200.1	207.2	225.3	245.4	251.2	266.4	278.7	301.2	316.2	328.5	322.2
82.5°	39.5	43.3	52.4	63.6	76.2	91.6	110.2	129.3	147.9	157.6	149.9
85°	14.4	17.3	21.9	25.8	27.2	29.2	32.7	39.4	45.9	47.2	47.7
87.5°	3.8	6.7	12.4	16.8	16.9	15.3	16.2	16.9	14.9	11.8	16.0
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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
2.5°	34.6	32.1	29.5	28.1	27.6	27.1	26.7	26.4
5°	40.0	41.6	39.8	36.5	32.1	29.5	27.7	27.2
7.5°	34.1	34.1	39.4	41.2	36.6	32.7	28.8	28.2
10°	38.5	42.1	45.9	50.2	56.7	51.3	43.2	41.8
12.5°	69.9	59.4	50.9	50.9	57.7	58.3	46.8	45.4
15°	74.2	74.6	78.0	70.8	69.4	75.3	67.2	64.6
17.5°	94.0	92.7	90.4	79.8	74.4	76.3	77.2	74.6
20°	109.3	103.8	129.2	131.6	120.2	120.6	118.6	116.4
22.5°	150.7	151.9	142.6	142.4	133.7	148.8	163.8	157.2
25°	159.2	167.4	195.4	190.9	185.4	177.7	181.6	172.4
27.5°	207.3	202.1	207.5	202.1	216.6	209.5	205.1	202.9
30°	217.8	227.2	232.7	228.4	229.5	228.4	221.0	224.7
32.5°	249.1	244.9	253.3	260.2	264.9	265.9	253.3	260.6
35°	269.9	280.8	279.8	277.4	279.6	283.7	277.1	277.3
37.5°	298.6	301.3	299.1	298.5	299.6	301.9	303.0	299.1
40°	324.9	326.8	325.2	327.4	329.2	330.3	339.0	325.6
42.5°	361.8	359.0	361.4	364.6	363.9	363.8	371.7	364.5
45°	403.4	402.7	400.8	402.9	407.9	400.4	413.0	411.0
47.5°	451.6	451.6	448.3	450.2	458.3	452.6	463.7	467.1
50°	507.7	509.1	499.8	505.0	507.0	508.3	519.0	528.4
52.5°	570.4	571.7	558.8	561.8	560.2	570.0	581.6	596.4
55°	638.6	636.4	620.4	625.8	626.4	643.2	650.4	674.6
57.5°	706.6	706.0	694.9	694.8	704.7	722.3	728.3	755.4
60°	781.5	781.6	768.0	771.1	780.2	797.4	820.3	843.0
62.5°	859.0	864.7	853.0	844.1	854.1	876.3	910.7	928.1
65°	928.4	940.0	920.9	920.8	909.4	945.8	972.5	994.0
67.5°	976.4	977.8	955.6	951.3	945.2	968.6	998.9	1010.8
70°	976.3	960.7	938.9	935.7	925.4	934.5	971.2	978.2
72.5°	898.8	881.8	852.0	857.2	845.5	858.3	887.3	890.6
75°	737.2	714.5	694.3	702.5	696.1	719.3	744.3	738.8
77.5°	525.8	497.8	471.4	471.1	471.8	477.5	494.8	486.8
80°	303.4	276.6	251.2	235.4	219.2	206.1	198.4	188.3
82.5°	133.5	107.5	87.8	70.8	60.2	48.7	42.7	36.7
85°	42.2	34.5	29.5	26.9	24.6	23.0	20.0	17.2
87.5°	19.0	18.6	17.4	17.9	18.0	15.5	10.8	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)