

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: P157088

Luminaire Tested: **UTLD-E01-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157088
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
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-SL4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

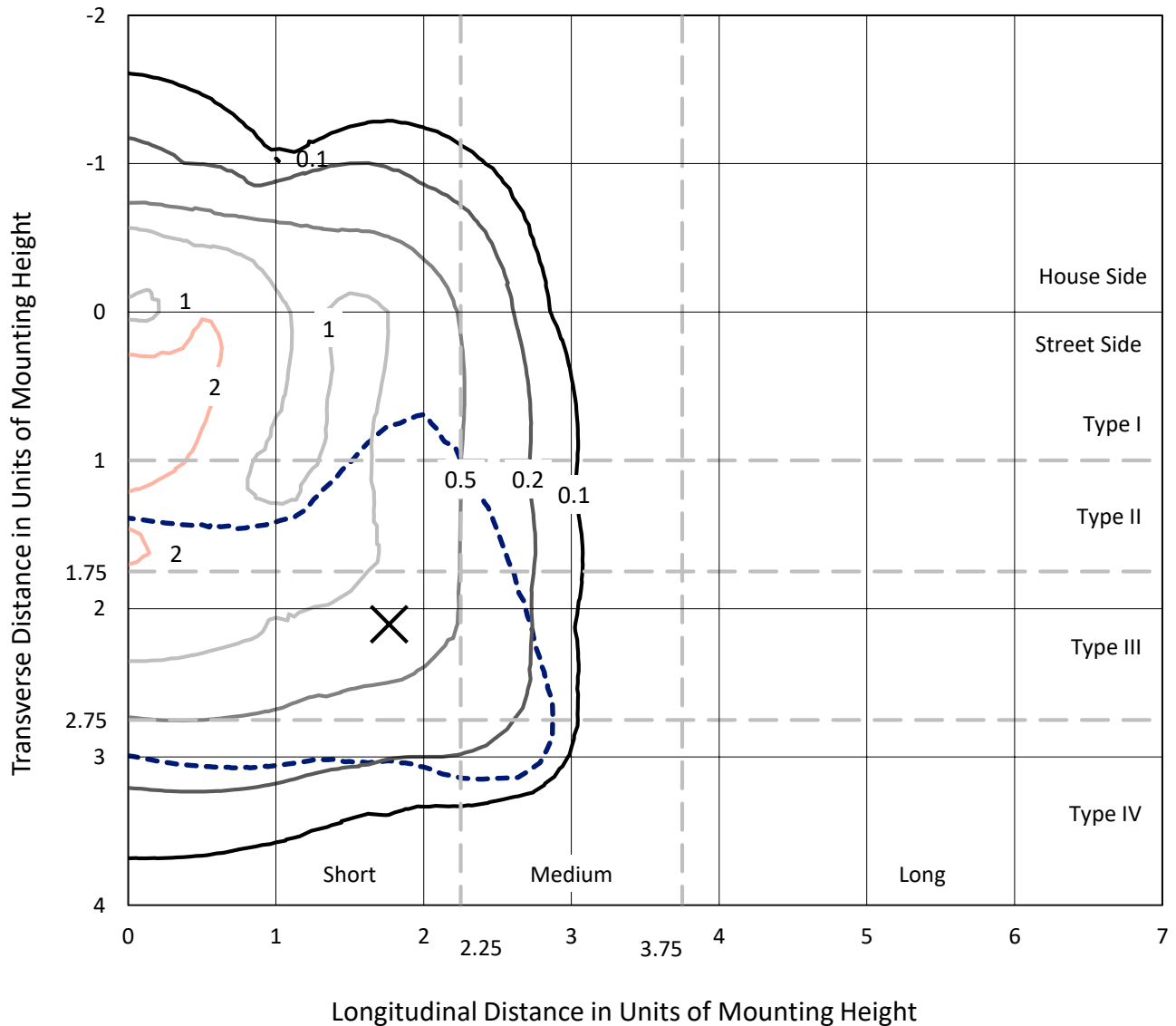
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

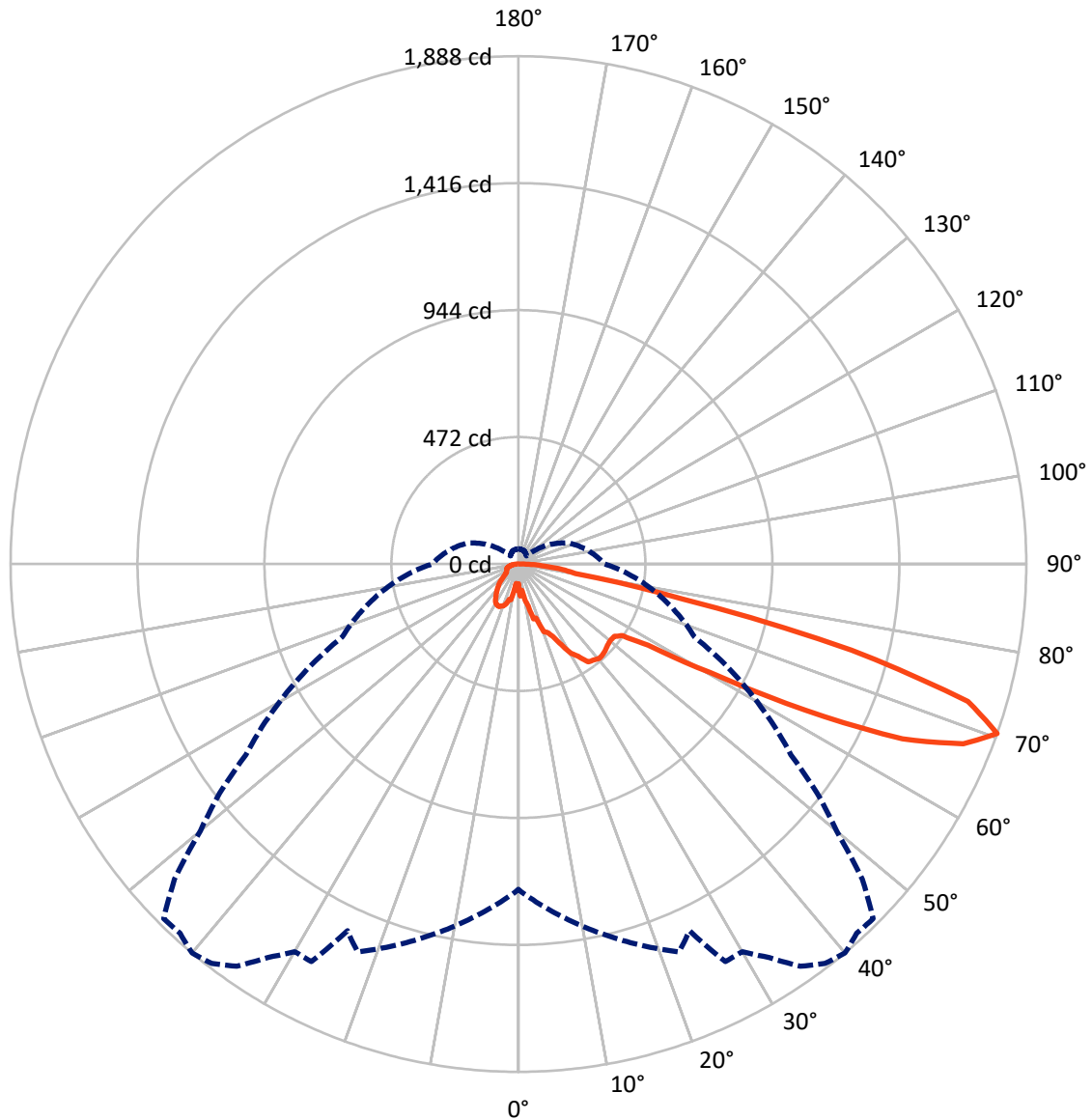
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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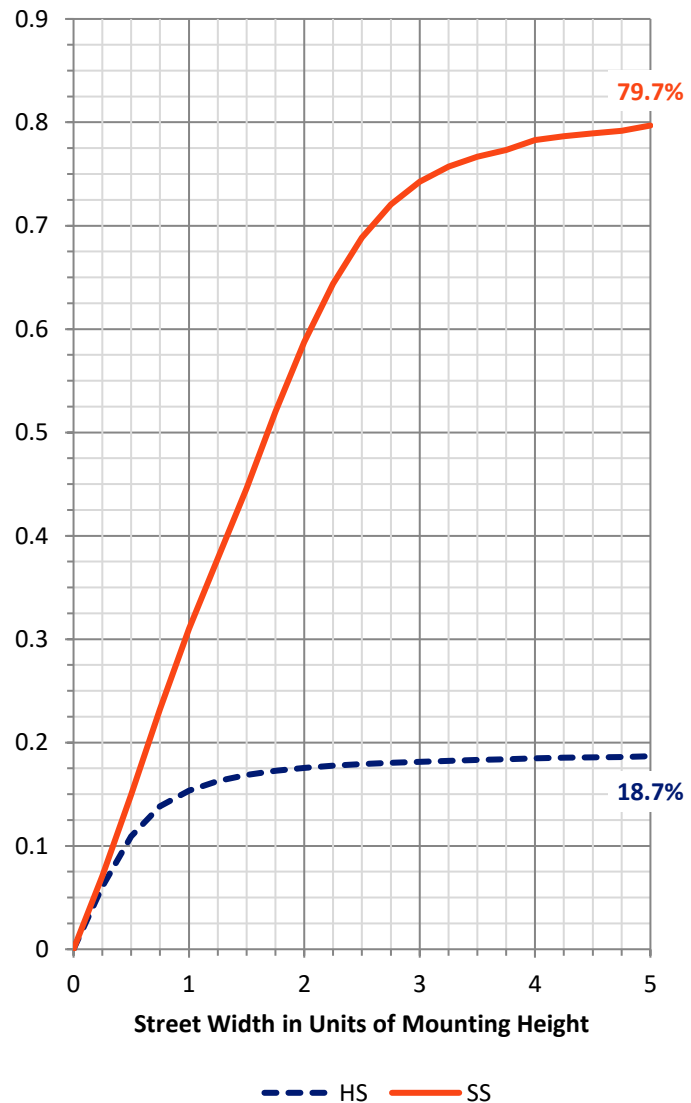
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	402.4	0.0	402.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	1721.2	0.0	1721.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	2123.6	0.0	2123.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.4
10°-20°	47.3	2.2
20°-30°	116.2	5.5
30°-40°	194.5	9.2
40°-50°	246.1	11.6
50°-60°	382.0	18.0
60°-70°	717.9	33.8
70°-80°	354.0	16.7
80°-90°	56.1	2.6
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°	2123.6	100.0
0°-180°	2123.6	100.0



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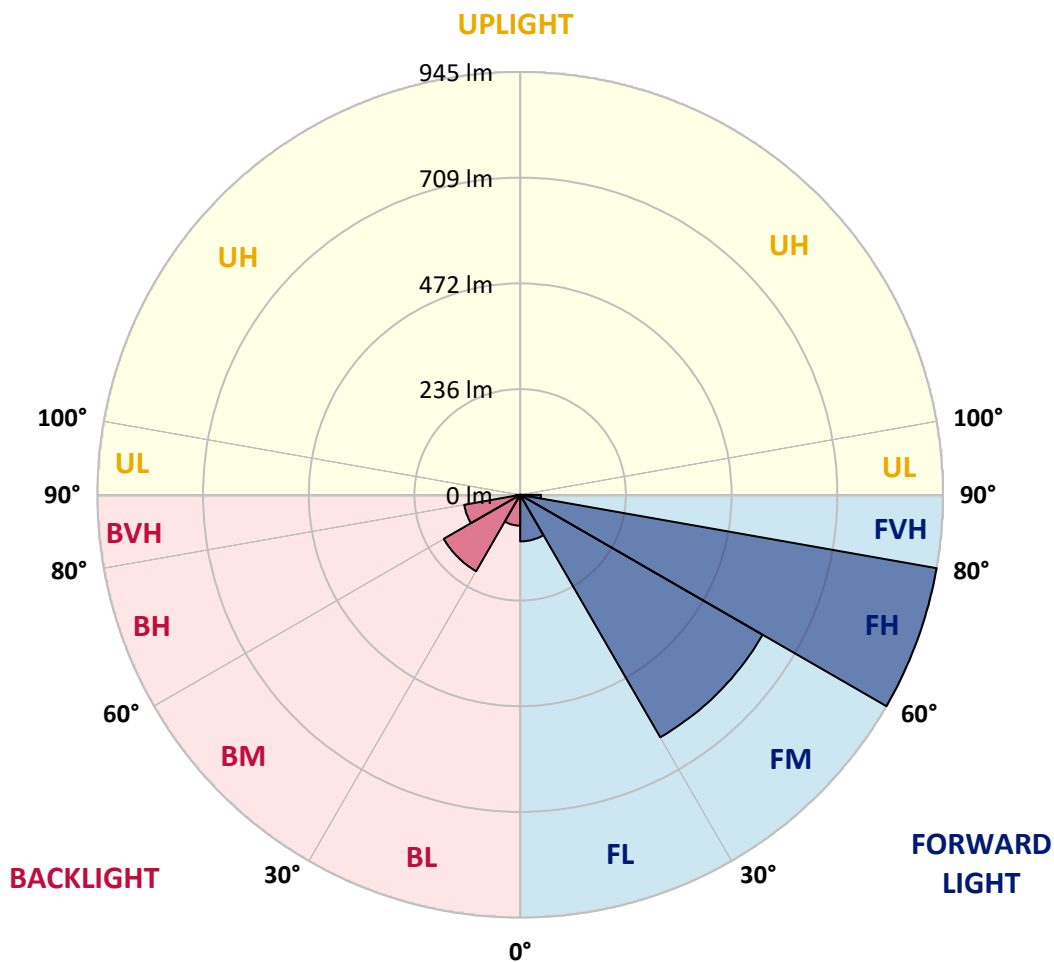
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.1	4.9			
FM	(30°-60°)	625.6	29.5			
FH	(60°-80°)	944.9	44.5			G1/1800
FVH	(80°-90°)	46.6	2.2			G1/100
BL	(0°-30°)	69.0	3.2	B0/110		
BM	(30°-60°)	196.9	9.3	B0/220		
BH	(60°-80°)	127.0	6.0	B1/500		G1/500
BVH	(80°-90°)	9.5	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	118.6	116.0	118.6	118.2	120.3	119.8	119.8	118.6	118.2	119.4	119.0
5°	99.6	100.0	97.9	95.8	97.1	97.1	97.1	96.2	95.8	97.5	98.7
7.5°	147.7	148.1	146.9	144.7	147.7	144.7	143.5	135.9	122.4	100.0	98.7
10°	149.4	149.0	146.0	144.3	144.7	144.7	143.9	142.6	137.1	137.6	140.1
12.5°	193.7	193.7	186.9	181.5	184.0	178.9	150.7	145.2	142.6	160.4	176.8
15°	206.8	196.2	189.9	181.5	184.4	186.5	215.2	217.3	222.0	211.8	210.2
17.5°	242.2	242.6	233.4	231.3	256.2	245.2	220.3	217.3	221.1	211.4	209.7
20°	286.1	285.3	256.6	295.4	263.7	262.1	255.7	253.2	263.3	268.4	240.5
22.5°	297.5	297.9	313.1	329.6	303.8	293.3	281.9	281.9	279.8	276.4	262.1
25°	365.4	366.3	324.5	345.6	317.3	330.0	324.5	313.1	304.3	298.8	292.4
27.5°	400.1	394.6	379.8	406.0	389.5	376.0	351.1	329.2	338.9	339.3	329.6
30°	457.0	456.6	445.2	444.4	412.3	395.8	400.9	387.0	378.1	385.3	356.6
32.5°	545.2	547.8	473.5	467.6	456.6	454.5	436.3	427.1	407.6	408.9	384.4
35°	644.8	645.7	538.5	500.9	507.2	485.7	456.2	448.6	432.5	447.7	413.1
37.5°	684.5	683.6	593.7	537.6	527.9	498.4	484.5	477.7	457.9	453.2	423.7
40°	749.5	749.9	629.2	554.1	559.1	521.6	509.8	487.8	460.4	462.5	428.3
42.5°	771.0	771.0	639.7	557.9	569.3	536.4	512.3	488.7	464.6	460.4	433.0
45°	779.8	780.3	634.7	560.8	556.6	533.4	506.0	484.9	460.0	454.5	429.2
47.5°	778.6	778.2	625.8	560.0	551.5	523.7	506.0	482.8	454.9	447.7	424.5
50°	769.3	770.1	623.3	555.3	557.9	519.9	506.4	480.2	454.9	444.4	424.1
52.5°	779.0	781.1	634.7	557.5	570.1	533.4	511.0	485.3	461.7	446.9	428.7
55°	993.8	1009.0	702.2	593.7	619.1	576.0	538.9	512.7	486.1	469.7	454.1
57.5°	1412.8	1414.1	979.0	750.3	800.5	727.9	660.8	638.5	590.8	569.3	563.4
60°	1571.5	1577.0	1313.7	1077.8	1181.6	1068.9	988.7	945.7	881.1	818.2	804.7
62.5°	1666.0	1669.8	1493.0	1296.4	1439.4	1365.6	1319.6	1314.1	1250.0	1196.8	1168.9
65°	1729.8	1730.2	1620.5	1438.2	1594.3	1528.5	1538.6	1592.2	1577.0	1568.6	1533.1
67.5°	1658.0	1661.0	1685.4	1550.0	1703.2	1661.8	1713.3	1774.1	1780.0	1784.6	1747.9
70°	1209.0	1215.8	1561.8	1504.4	1666.5	1664.4	1734.8	1825.6	1872.4	1888.4	1862.3
72.5°	766.3	760.4	1033.5	1105.2	1218.3	1321.3	1454.2	1598.1	1718.8	1748.3	1726.0
75°	535.9	534.2	557.5	569.3	662.5	688.3	823.7	1037.7	1193.0	1278.6	1282.4
77.5°	340.1	340.1	336.3	317.8	328.7	318.2	324.9	372.2	459.6	626.2	660.8
80°	281.0	281.5	249.8	230.0	242.2	239.7	227.9	222.8	216.9	214.0	230.0
82.5°	189.5	186.5	211.8	195.0	201.3	198.8	194.1	188.6	180.2	164.6	150.7
85°	139.3	137.1	129.6	116.5	123.6	122.4	119.8	113.9	109.7	96.6	88.6
87.5°	104.7	103.8	94.5	76.0	80.2	75.1	67.9	60.8	55.7	47.7	41.8
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	119.0	119.0	119.0	116.5	113.5	84.0	73.0	72.2	74.3	103.8	115.2
5°	97.5	95.8	95.4	95.4	96.2	113.5	71.3	73.0	103.0	72.2	71.7
7.5°	97.5	95.8	94.9	93.7	93.7	88.6	69.6	100.0	69.6	81.0	115.2
10°	140.1	135.9	135.0	136.7	133.4	127.9	101.7	106.3	97.1	114.8	115.2
12.5°	176.4	176.4	175.6	179.8	177.7	125.3	111.4	103.0	140.5	121.1	154.0
15°	189.9	176.0	178.9	178.1	174.3	181.9	137.6	130.0	133.4	140.9	148.5
17.5°	216.1	231.3	240.1	229.1	200.4	190.3	165.8	132.9	152.3	160.8	180.6
20°	232.5	230.4	236.7	227.0	214.8	218.6	198.8	193.3	165.8	159.5	165.8
22.5°	254.5	257.0	269.7	254.5	249.0	251.1	225.8	198.3	161.6	191.2	181.0
25°	282.3	291.6	298.4	290.8	270.1	296.7	252.4	234.6	175.1	169.6	184.0
27.5°	324.1	324.5	321.6	312.3	307.2	310.2	282.7	223.2	175.1	162.0	159.1
30°	347.7	351.5	364.6	342.7	335.5	337.2	286.5	241.4	176.8	141.8	149.8
32.5°	394.6	382.3	374.7	348.6	363.8	338.4	318.6	252.4	169.6	132.1	132.9
35°	404.3	400.9	405.1	368.0	369.7	368.0	308.9	257.0	157.0	115.6	105.1
37.5°	424.9	414.8	408.5	387.4	393.3	359.5	309.7	254.5	148.1	95.4	85.2
40°	428.3	429.6	425.4	390.8	396.7	349.4	303.0	249.8	138.4	77.2	78.5
42.5°	437.6	428.3	420.7	390.8	397.5	345.2	308.5	246.0	124.9	66.7	73.4
45°	433.8	424.9	416.5	389.9	393.7	346.0	314.4	242.6	111.0	62.5	73.4
47.5°	429.2	421.6	411.0	391.6	393.3	353.2	325.8	241.0	94.1	62.0	73.8
50°	430.4	422.0	411.9	397.1	396.7	359.1	337.6	249.8	76.0	62.5	73.0
52.5°	435.5	426.2	414.8	403.4	402.2	385.3	400.5	257.8	61.6	62.5	71.7
55°	466.3	455.8	449.8	453.2	452.0	500.9	582.8	266.7	53.2	62.0	70.1
57.5°	593.7	586.6	590.8	616.1	622.0	702.6	750.3	278.5	49.8	61.2	68.4
60°	851.2	857.1	841.9	865.1	852.9	848.6	824.2	301.3	47.7	59.9	66.7
62.5°	1187.9	1168.1	1114.1	1109.4	1064.3	930.9	833.9	307.2	46.4	58.7	64.6
65°	1533.5	1454.6	1344.1	1301.9	1221.7	972.7	787.0	285.7	45.6	57.8	61.6
67.5°	1762.7	1659.7	1508.2	1419.2	1298.9	930.5	606.0	247.3	44.3	56.1	58.2
70°	1865.2	1734.0	1544.1	1400.6	1237.3	709.0	320.7	203.0	42.2	53.6	56.5
72.5°	1720.5	1593.9	1364.3	1186.7	962.6	439.7	163.3	145.2	39.2	49.4	56.1
75°	1227.2	1086.6	850.3	691.7	519.5	199.6	92.4	68.8	35.0	44.7	55.3
77.5°	614.0	492.5	344.3	272.6	214.0	103.4	40.9	34.2	30.4	39.7	46.4
80°	217.7	201.3	183.6	174.7	150.7	55.3	28.7	27.4	26.6	32.9	33.8
82.5°	143.9	134.2	123.2	115.6	92.8	38.4	22.4	23.6	21.9	27.0	23.2
85°	82.7	78.5	70.1	61.6	50.2	29.1	19.0	20.3	15.2	20.7	14.8
87.5°	38.8	36.7	34.6	32.1	28.7	21.1	10.5	19.0	9.7	13.1	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)