

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-3000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s26060036b-01)
Test Lab: INNOVATION CENTER
Issue Date: 27-07-2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: TRX30S-BK-3000K-4H4V
Description: 30W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

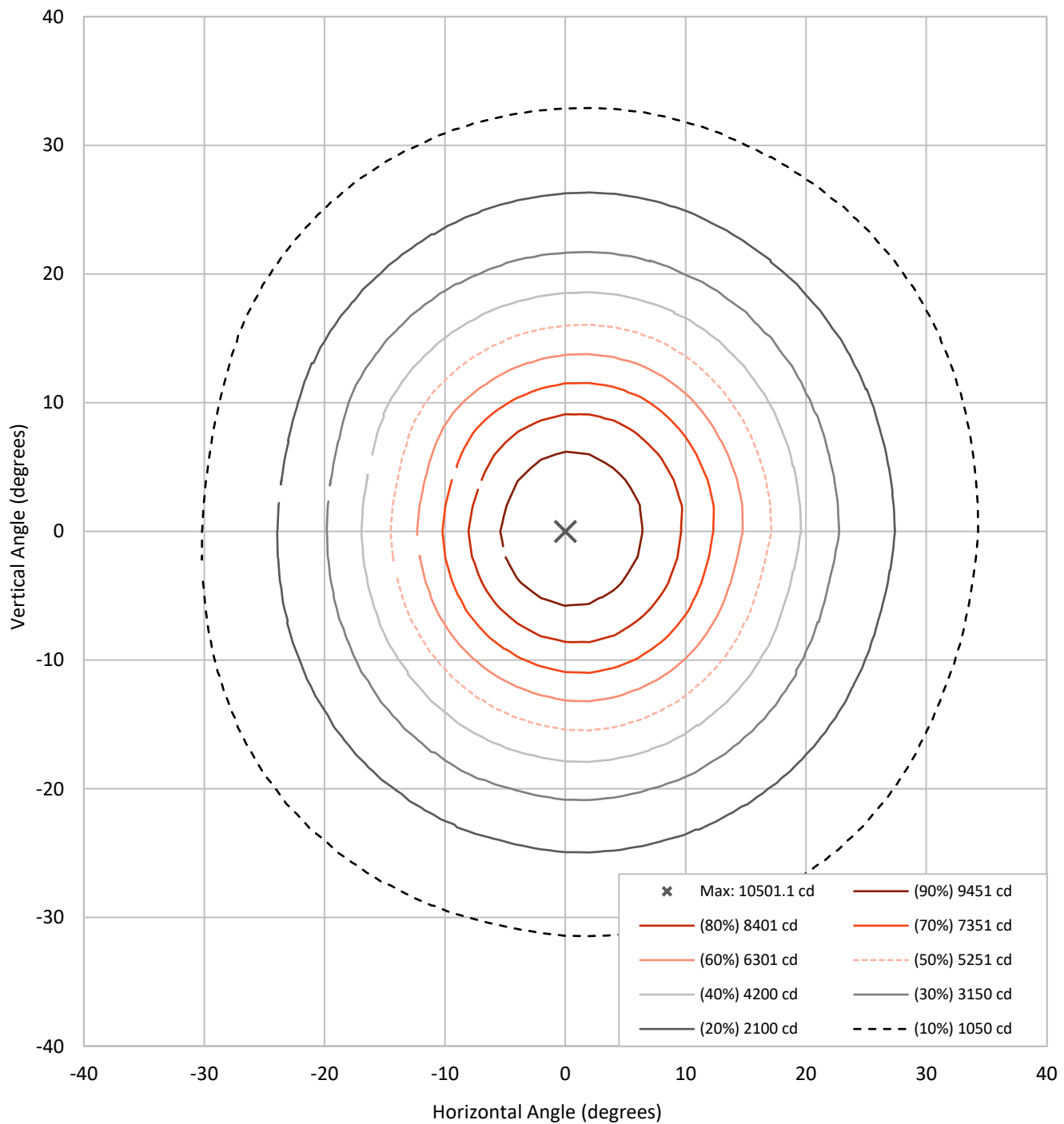
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	4611.9 lumens	Max Intensity:	10501.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.9 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	31.6°H x 31.4°V	Field Angle (10%):	64.5°H x 64.2°V
Beam Lumens:	1777.7 lumens	Field Lumens:	3583.3 lumens
Beam Efficiency:	38.5%	Field Efficiency:	77.7%

Input Watts (W): 31.6
Input Voltage (V): 120
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: 25 FT



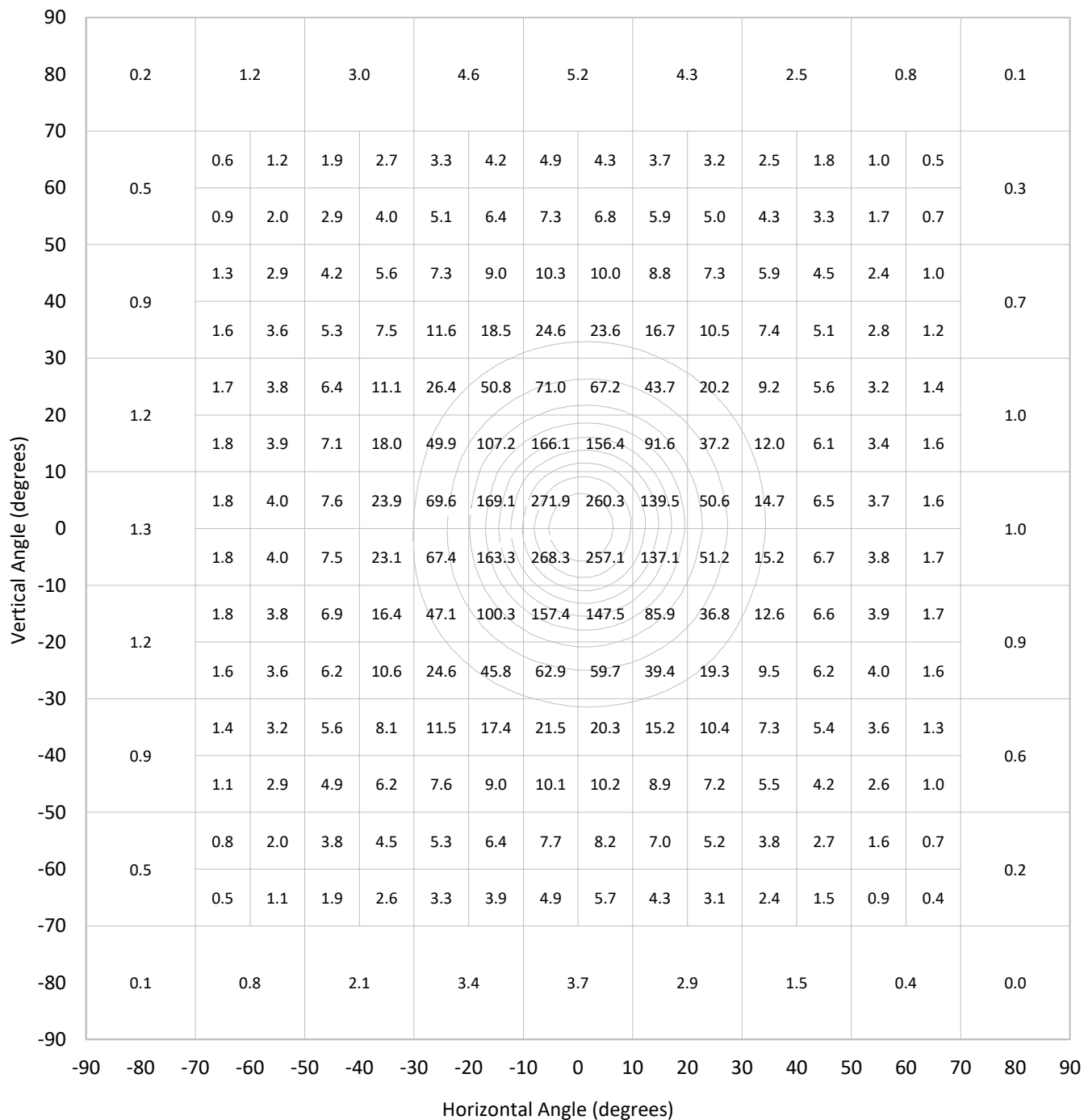
REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



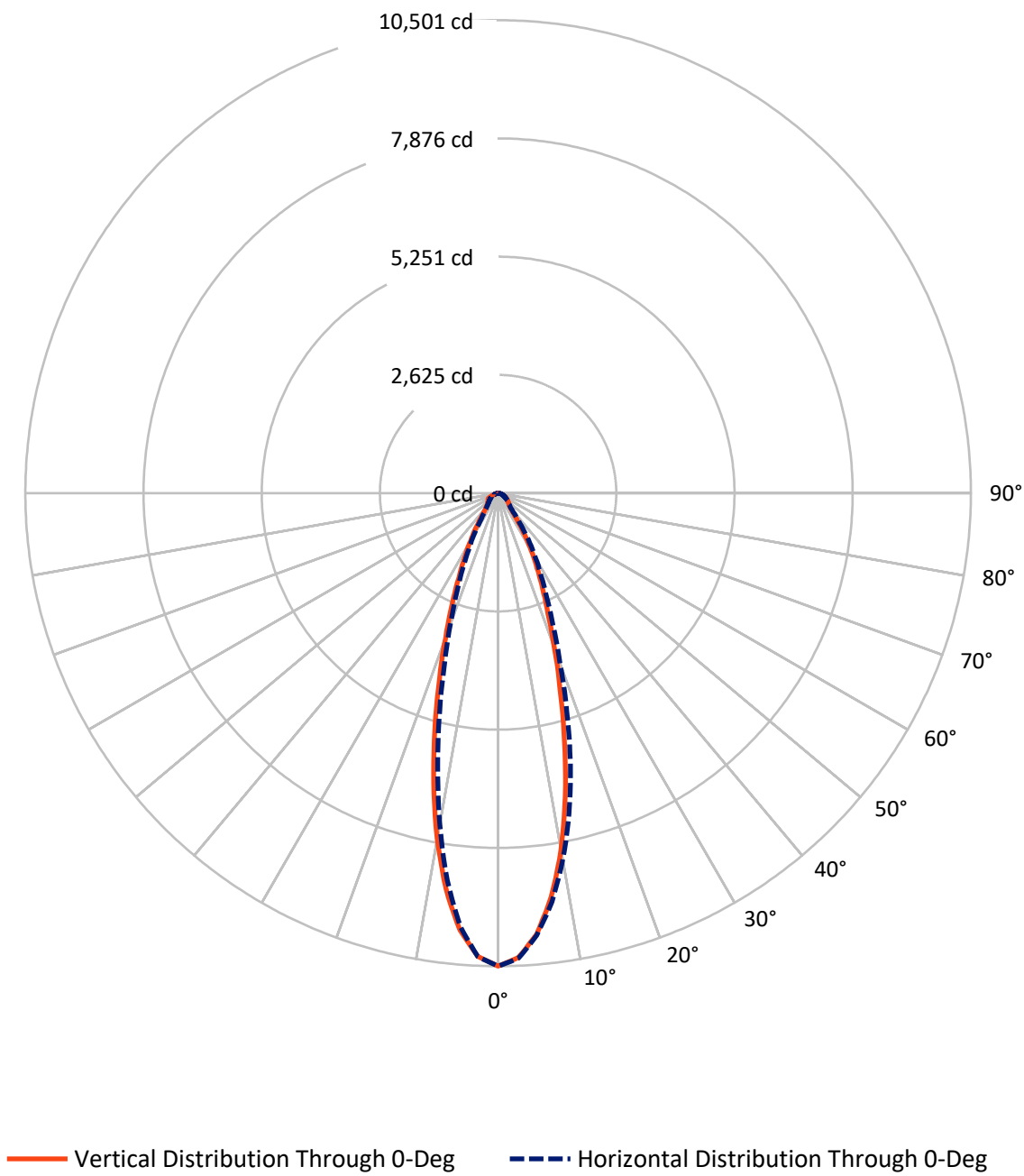
REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



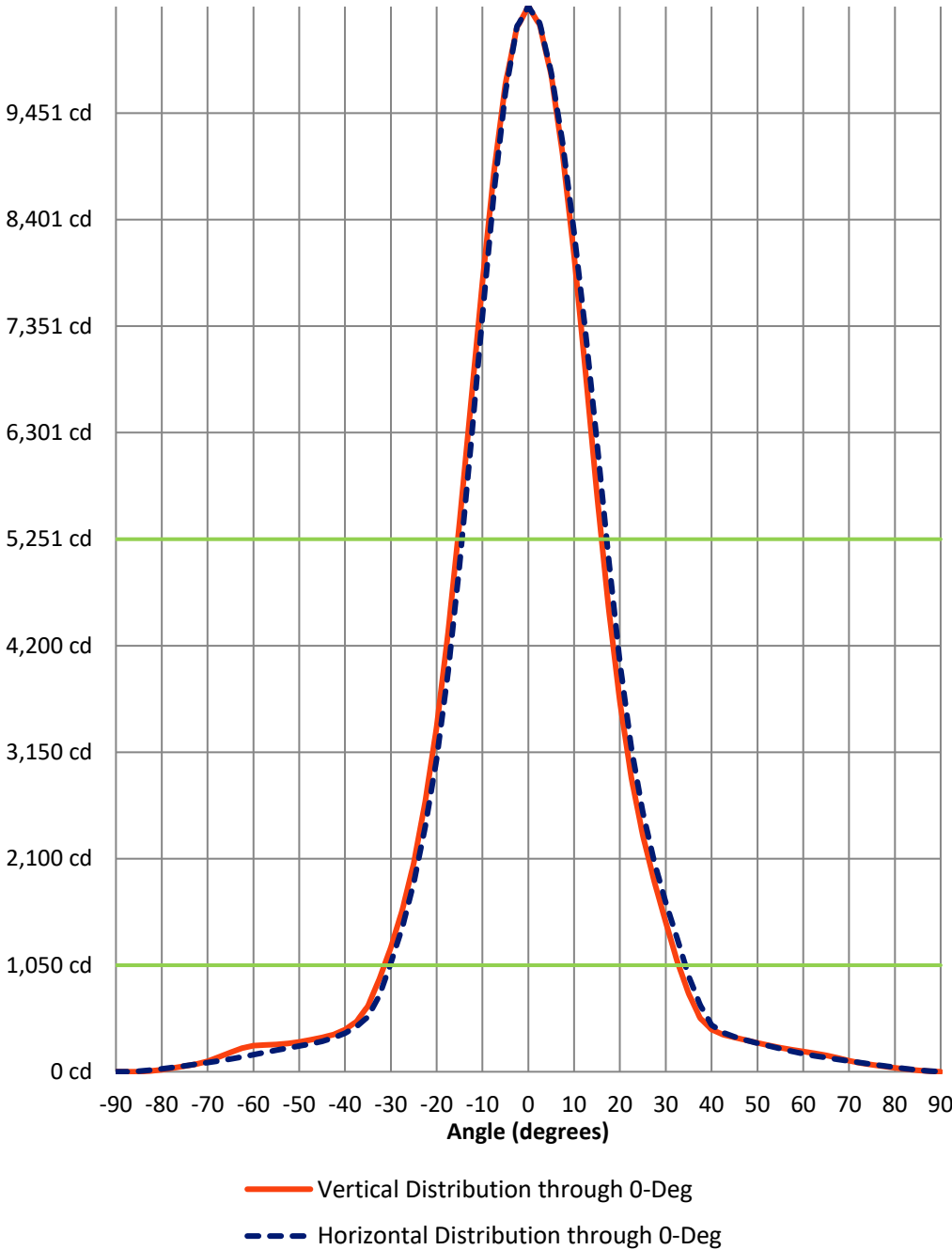
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 31.6°
V Angle: 31.4°
Lumens: 1777.7
Efficiency: 38.5%

Field:
H Angle: 64.5°
V Angle: 64.2°
Lumens: 3583.3
Efficiency: 77.7%

Spill:
Lumens: 1028.5
Efficiency: 22.3%

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CATALOG NUMBER: TRX30S-BK-3000K-4H4V

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6
85°	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.7	1.1	1.5	1.9
82.5°	0.1	0.1	0.1	0.1	0.2	0.5	1.0	1.7	2.5	3.2	3.9
80°	0.1	0.1	0.1	0.2	0.4	1.0	1.9	2.9	4.2	5.5	6.8
77.5°	0.1	0.1	0.1	0.3	0.8	1.8	3.1	4.7	6.5	8.3	10.3
75°	0.1	0.1	0.2	0.5	1.3	2.7	4.6	6.7	9.1	11.9	14.8
72.5°	0.1	0.1	0.2	0.8	2.0	3.9	6.3	9.0	12.5	16.0	19.3
70°	0.1	0.1	0.3	1.1	2.8	5.3	8.2	11.9	16.0	19.9	24.0
67.5°	0.1	0.1	0.4	1.6	3.8	6.7	10.5	15.0	19.5	24.1	29.1
65°	0.1	0.1	0.5	2.1	4.8	8.3	13.0	18.1	23.1	28.7	34.5
62.5°	0.1	0.1	0.7	2.7	5.9	10.1	15.6	21.1	27.1	33.3	39.9
60°	0.1	0.1	0.9	3.3	7.0	12.1	18.2	24.3	31.0	38.1	45.3
57.5°	0.1	0.2	1.2	3.9	8.2	14.2	20.7	27.7	35.1	42.7	50.6
55°	0.1	0.2	1.4	4.6	9.6	16.3	23.2	31.0	39.2	47.5	55.9
52.5°	0.1	0.2	1.7	5.3	10.9	18.2	25.9	34.4	43.2	52.1	61.1
50°	0.1	0.2	2.0	6.1	12.4	20.1	28.6	37.8	47.2	56.7	66.4
47.5°	0.1	0.3	2.2	6.8	13.9	22.0	31.2	41.1	51.1	61.2	71.4
45°	0.1	0.3	2.5	7.6	15.3	24.0	33.9	44.3	55.0	65.7	76.5
42.5°	0.1	0.3	2.8	8.3	16.6	25.9	36.3	47.4	58.7	70.0	81.3
40°	0.1	0.3	3.1	9.1	17.9	27.7	38.9	50.5	62.3	74.1	86.0
37.5°	0.1	0.3	3.4	9.9	19.1	29.5	41.2	53.5	65.7	78.1	90.4
35°	0.1	0.4	3.7	10.6	20.3	31.2	43.4	56.3	69.0	81.9	94.7
32.5°	0.1	0.4	4.0	11.4	21.4	32.9	45.5	58.9	72.2	85.4	98.7
30°	0.1	0.5	4.3	12.0	22.5	34.4	47.4	61.3	75.0	88.7	102.6
27.5°	0.1	0.5	4.5	12.7	23.4	35.8	49.3	63.4	77.6	91.8	106.2
25°	0.1	0.6	4.8	13.3	24.3	37.1	51.0	65.4	80.0	94.7	109.5
22.5°	0.1	0.6	5.0	13.9	25.2	38.3	52.6	67.2	82.2	97.1	112.8
20°	0.1	0.6	5.2	14.4	26.0	39.4	53.9	68.8	84.1	99.4	115.5
17.5°	0.1	0.6	5.4	14.8	26.6	40.4	55.0	70.3	85.8	101.4	117.9
15°	0.1	0.7	5.5	15.2	27.2	41.2	56.0	71.6	87.2	103.1	120.0
12.5°	0.1	0.7	5.6	15.5	27.7	41.8	56.8	72.6	88.4	104.5	121.8
10°	0.1	0.7	5.7	15.7	28.1	42.3	57.4	73.4	89.3	105.6	123.3
7.5°	0.1	0.7	5.8	15.9	28.4	42.7	57.9	74.0	90.0	106.4	124.4
5°	0.1	0.7	5.8	16.0	28.6	42.9	58.1	74.4	90.4	106.9	125.2
2.5°	0.1	0.7	5.8	16.0	28.6	43.0	58.2	74.6	90.6	107.2	125.6
0°	0.1	0.7	5.8	16.0	28.6	42.9	58.1	74.5	90.5	107.1	125.6
-2.5°	0.1	0.7	5.8	15.9	28.5	42.7	57.9	74.2	90.4	107.5	126.8
-5°	0.1	0.7	5.7	15.7	28.2	42.4	57.5	73.7	90.0	107.6	127.7
-7.5°	0.1	0.7	5.6	15.5	27.9	41.9	56.9	73.0	89.3	107.3	127.9
-10°	0.1	0.7	5.5	15.2	27.4	41.3	56.2	72.0	88.3	106.5	127.7
-12.5°	0.1	0.6	5.3	14.9	26.9	40.6	55.3	70.8	87.0	105.3	126.9
-15°	0.1	0.6	5.1	14.4	26.2	39.7	54.2	69.4	85.4	103.6	125.4
-17.5°	0.1	0.6	4.9	13.9	25.4	38.7	52.9	67.8	83.6	101.5	123.3
-20°	0.1	0.6	4.7	13.4	24.6	37.6	51.5	66.0	81.5	99.1	120.6



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CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	0.5	4.5	12.8	23.7	36.3	49.8	64.0	79.1	96.1	117.7
-25°	0.1	0.5	4.2	12.1	22.7	34.9	48.0	61.8	76.5	92.7	115.6
-27.5°	0.1	0.5	3.9	11.3	21.6	33.4	46.1	59.5	73.6	89.7	112.3
-30°	0.1	0.4	3.7	10.5	20.6	31.8	44.1	57.0	70.6	86.2	108.1
-32.5°	0.1	0.4	3.4	9.8	19.4	30.1	41.8	54.4	67.7	82.6	102.8
-35°	0.1	0.3	3.1	9.0	18.2	28.4	39.6	51.6	64.7	78.8	96.7
-37.5°	0.1	0.3	2.8	8.2	16.8	26.5	37.3	48.9	61.4	74.8	90.3
-40°	0.1	0.3	2.5	7.5	15.5	24.6	34.9	46.0	58.0	70.6	84.6
-42.5°	0.1	0.3	2.2	6.7	14.0	22.6	32.2	42.9	54.3	66.4	79.2
-45°	0.1	0.3	1.9	5.9	12.5	20.6	29.6	39.7	50.5	62.0	73.9
-47.5°	0.1	0.2	1.7	5.1	11.0	18.6	27.0	36.5	46.7	57.3	68.6
-50°	0.1	0.2	1.5	4.5	9.4	16.6	24.3	33.1	42.5	52.5	63.1
-52.5°	0.1	0.2	1.2	3.8	8.0	14.4	21.5	29.6	38.3	47.7	57.2
-55°	0.1	0.2	1.0	3.2	6.7	12.3	18.8	26.1	34.1	42.6	51.3
-57.5°	0.1	0.2	0.8	2.6	5.6	10.0	16.1	22.5	29.7	37.5	45.3
-60°	0.1	0.1	0.7	2.1	4.5	8.0	13.3	19.1	25.4	32.4	39.1
-62.5°	0.1	0.1	0.5	1.6	3.5	6.3	10.4	15.6	21.1	27.1	33.1
-65°	0.1	0.1	0.4	1.3	2.7	4.9	7.8	12.1	17.0	22.0	27.1
-67.5°	0.1	0.1	0.3	1.0	2.0	3.6	5.8	8.7	12.8	17.1	21.3
-70°	0.1	0.1	0.2	0.7	1.4	2.6	4.1	6.1	8.7	12.1	15.7
-72.5°	0.1	0.1	0.2	0.5	1.0	1.8	2.8	4.1	5.7	7.7	10.2
-75°	0.1	0.1	0.2	0.3	0.7	1.2	1.9	2.7	3.6	4.8	6.1
-77.5°	0.1	0.1	0.1	0.2	0.4	0.7	1.2	1.7	2.3	2.9	3.6
-80°	0.1	0.1	0.1	0.2	0.2	0.4	0.7	1.0	1.3	1.6	2.0
-82.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.8	1.0
-85°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3



REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.8	0.9	1.1	1.3	1.5	1.6	1.9	2.1	2.3	2.5	2.7
85°	2.3	2.8	3.3	3.8	4.3	4.8	5.4	5.9	6.5	7.0	7.7
82.5°	4.8	5.8	6.7	7.8	8.8	9.9	10.9	12.0	13.1	14.1	15.3
80°	8.2	9.8	11.5	13.4	15.2	16.9	18.4	19.9	21.3	22.7	24.3
77.5°	12.7	15.2	17.4	19.7	21.9	24.3	26.6	28.6	30.7	32.6	34.7
75°	17.7	20.5	23.5	26.6	29.7	32.8	35.8	38.4	41.0	43.2	45.9
72.5°	22.8	26.6	30.4	34.2	38.0	42.0	45.6	48.7	51.7	54.4	57.5
70°	28.4	33.0	37.6	42.3	46.9	51.5	55.7	59.4	62.8	66.1	69.5
67.5°	34.3	39.7	45.3	50.6	55.9	61.1	66.2	70.3	74.3	78.1	81.7
65°	40.5	46.7	53.0	58.9	65.0	70.8	76.6	81.7	86.5	91.2	95.1
62.5°	46.7	53.6	60.6	67.5	74.1	80.8	88.0	95.1	101.8	108.2	112.2
60°	52.8	60.4	68.3	75.9	83.5	91.8	102.3	114.4	123.1	129.2	131.7
57.5°	58.8	67.3	75.8	84.5	93.8	105.9	121.7	139.4	146.5	149.9	151.3
55°	64.9	73.9	83.3	93.7	106.6	123.5	142.5	159.5	167.9	170.4	170.9
52.5°	70.7	80.6	91.1	104.4	121.9	141.4	159.2	176.8	188.3	190.1	189.9
50°	76.5	87.2	99.7	116.5	137.2	156.0	174.1	191.2	206.6	207.3	206.3
47.5°	82.1	93.7	108.5	127.8	149.4	169.0	187.1	203.6	216.7	220.5	220.3
45°	87.4	100.2	116.7	137.0	159.0	180.5	198.5	213.3	223.6	231.5	233.5
42.5°	92.6	105.9	123.8	144.5	167.1	190.2	208.2	220.5	230.1	239.5	246.6
40°	97.9	110.8	129.2	150.8	173.6	196.8	215.8	227.0	237.3	248.1	259.3
37.5°	102.9	116.0	133.9	155.9	178.8	201.0	220.3	233.6	244.9	256.7	270.9
35°	107.8	121.8	137.5	159.6	182.8	204.6	223.4	239.9	252.4	266.4	282.2
32.5°	112.6	127.5	144.0	162.7	186.0	207.9	227.2	244.1	259.9	276.1	293.6
30°	117.2	133.0	149.8	167.2	189.0	211.5	231.2	248.4	266.5	285.4	305.9
27.5°	121.4	138.2	155.3	173.2	193.1	215.3	234.8	252.8	272.2	294.1	317.5
25°	125.5	142.8	160.2	178.7	199.2	219.4	238.0	256.9	277.5	301.7	328.5
22.5°	129.1	146.9	164.4	183.3	204.3	224.1	241.6	260.4	282.9	309.4	339.7
20°	132.3	150.6	167.9	187.5	208.7	228.3	246.8	265.3	287.8	317.5	351.8
17.5°	135.5	153.6	170.9	190.8	212.1	232.1	251.8	271.3	295.3	326.1	364.7
15°	138.3	156.6	174.0	193.5	215.0	235.7	256.2	276.8	303.4	337.1	379.3
12.5°	140.6	159.4	178.0	198.0	217.9	239.0	260.0	281.7	310.4	346.9	394.6
10°	142.6	162.0	181.6	202.3	222.5	243.5	263.7	285.8	316.6	355.2	408.5
7.5°	144.1	164.2	184.8	205.9	226.3	247.4	267.4	290.8	323.0	363.3	420.1
5°	145.2	166.0	187.4	208.9	229.3	250.5	270.5	295.1	328.6	371.4	432.2
2.5°	145.8	167.4	189.4	211.2	231.7	252.7	272.8	298.2	332.7	377.1	440.6
0°	146.0	168.2	190.8	212.9	233.3	254.2	274.3	299.9	335.0	380.3	445.0
-2.5°	148.4	171.6	194.7	216.5	236.5	257.0	277.4	303.0	337.5	382.2	446.2
-5°	150.2	174.4	198.0	219.5	239.2	259.1	279.5	305.0	338.3	381.5	443.0
-7.5°	151.4	176.4	200.8	221.9	241.3	260.5	280.6	305.8	337.4	378.4	435.7
-10°	152.0	177.7	203.0	223.7	242.9	261.2	281.1	305.4	335.6	373.7	425.9
-12.5°	151.7	178.2	204.4	225.1	244.0	261.5	281.5	305.8	334.1	368.3	414.9
-15°	150.6	177.9	205.1	226.2	244.6	261.6	281.4	305.4	331.7	363.2	402.8
-17.5°	148.8	176.6	206.3	227.8	245.4	261.3	280.1	303.4	328.9	357.7	389.6
-20°	146.5	177.3	208.0	229.5	246.0	261.0	277.9	300.5	325.0	348.4	376.1

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	145.8	177.3	208.6	231.6	246.9	260.7	275.5	294.3	315.8	337.8	362.9
-25°	144.0	176.1	208.6	233.4	248.1	260.7	270.9	285.1	304.9	326.5	349.6
-27.5°	141.1	173.7	207.1	235.2	250.1	257.3	265.0	276.2	293.1	313.9	333.7
-30°	137.1	169.8	203.9	235.2	247.7	252.1	258.8	268.3	281.5	298.4	314.8
-32.5°	131.9	164.3	198.9	228.8	241.9	246.3	252.2	260.4	270.5	281.4	295.2
-35°	124.6	157.3	191.9	214.9	233.3	240.3	245.1	252.1	258.3	266.1	276.4
-37.5°	115.9	148.8	176.7	199.1	220.1	233.1	237.8	241.0	245.5	252.0	259.7
-40°	105.9	136.3	161.1	182.8	203.0	221.5	228.7	228.5	231.5	237.1	243.7
-42.5°	95.8	121.1	145.6	166.1	184.7	203.6	214.0	215.0	216.3	220.3	228.2
-45°	87.3	106.2	129.0	149.5	166.7	181.8	193.1	198.8	199.8	202.2	211.4
-47.5°	80.0	93.4	112.5	132.4	149.1	160.8	169.9	177.4	180.8	186.2	194.4
-50°	73.2	83.8	97.7	114.8	131.3	141.9	149.1	154.7	158.9	170.0	178.1
-52.5°	66.5	75.9	86.1	99.0	113.4	125.2	131.5	135.1	140.9	153.2	162.6
-55°	59.6	68.2	77.0	86.4	97.3	108.8	117.1	119.8	126.0	135.5	146.1
-57.5°	52.8	60.5	68.3	76.4	84.4	93.2	102.4	108.9	115.4	121.6	128.8
-60°	46.0	52.9	59.7	66.8	74.0	80.9	87.7	96.0	106.4	112.9	117.0
-62.5°	39.2	45.3	51.5	57.6	63.7	70.0	76.0	82.8	91.7	101.9	110.7
-65°	32.3	37.7	43.1	48.6	54.0	59.3	64.5	70.5	76.9	83.8	92.7
-67.5°	25.7	30.2	34.8	39.7	44.3	48.9	53.5	58.9	64.0	69.2	74.5
-70°	19.3	22.9	26.8	30.8	34.8	38.7	42.7	47.0	51.6	56.1	60.2
-72.5°	13.1	16.1	19.1	22.3	25.5	28.6	32.0	35.5	39.1	42.7	46.0
-75°	7.5	9.4	11.8	14.2	16.7	19.2	21.7	24.3	26.8	29.5	32.1
-77.5°	4.3	5.1	6.0	7.2	8.6	10.0	11.9	13.9	15.9	17.7	19.5
-80°	2.4	2.7	3.1	3.6	4.1	4.7	5.3	6.0	6.9	7.8	8.7
-82.5°	1.1	1.3	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.2	2.4
-85°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.4	4.6	4.8	4.9
85°	8.2	8.8	9.3	9.9	10.4	10.9	11.5	11.9	12.3	12.6	12.9
82.5°	16.4	17.5	18.5	19.5	20.3	21.1	21.8	22.4	23.0	23.5	23.9
80°	25.9	27.6	29.1	30.5	31.7	32.9	34.1	35.1	35.8	36.5	37.0
77.5°	37.0	39.2	41.1	42.9	44.6	46.2	47.6	48.7	49.6	50.4	51.0
75°	48.7	51.3	53.8	56.2	58.3	60.1	61.9	63.2	64.2	65.0	65.5
72.5°	60.8	63.9	67.0	69.8	72.2	74.5	76.7	78.1	79.0	79.8	80.4
70°	73.3	77.0	80.4	83.6	86.7	89.6	92.4	94.3	95.0	95.5	95.6
67.5°	86.2	90.4	94.6	98.3	101.3	104.2	107.1	108.9	109.9	110.7	111.2
65°	100.6	105.0	109.0	111.8	115.8	119.4	122.2	124.6	126.1	127.3	128.3
62.5°	116.7	121.3	125.0	127.5	131.2	134.5	137.7	140.4	142.6	145.0	147.1
60°	133.9	138.3	141.2	143.7	146.8	150.7	153.9	156.6	160.1	163.6	166.8
57.5°	151.1	155.2	158.5	160.7	163.2	167.1	170.5	173.3	177.9	182.8	187.3
55°	169.8	172.6	175.7	178.0	180.2	184.7	189.2	193.2	198.5	204.2	209.2
52.5°	188.7	190.3	193.8	196.6	198.9	204.4	210.2	215.8	221.4	227.4	232.4
50°	206.4	208.0	211.7	215.9	220.1	226.0	233.1	239.7	246.1	252.2	257.5
47.5°	222.1	225.5	230.4	235.8	241.7	248.6	256.8	264.7	271.8	278.6	284.6
45°	237.4	242.4	248.1	255.6	263.4	271.4	280.8	290.0	298.8	306.7	313.3
42.5°	252.1	258.9	266.3	275.3	285.4	295.3	306.1	317.7	328.1	337.0	344.6
40°	267.8	276.5	285.7	296.8	308.8	321.6	334.4	347.7	361.5	375.6	388.3
37.5°	284.0	294.9	307.0	319.5	334.3	349.7	367.2	390.8	418.2	449.2	476.0
35°	299.6	314.6	328.7	344.0	362.0	387.4	426.3	475.7	527.5	581.2	636.0
32.5°	313.8	334.0	350.3	370.7	402.6	455.4	523.7	601.8	687.4	776.7	865.3
30°	327.6	350.0	373.6	408.6	469.4	556.1	660.9	780.9	908.7	1035.5	1160.2
27.5°	341.6	368.0	404.1	465.4	563.1	694.4	844.4	1004.8	1168.6	1333.6	1496.1
25°	357.3	391.7	448.2	546.3	691.7	864.7	1052.6	1248.4	1461.5	1663.2	1857.9
22.5°	374.3	422.8	508.2	651.7	841.4	1051.4	1272.5	1526.9	1776.9	2040.2	2291.2
20°	394.2	460.8	583.9	776.0	1002.1	1240.4	1521.1	1820.4	2150.1	2486.5	2816.0
17.5°	416.9	504.2	667.8	907.3	1156.3	1444.0	1780.6	2161.2	2576.2	3015.3	3457.3
15°	439.4	547.9	749.5	1020.1	1304.6	1668.3	2070.5	2532.8	3058.8	3621.6	4196.1
12.5°	464.4	591.0	827.6	1114.1	1444.0	1861.0	2363.9	2930.9	3571.1	4281.7	4997.8
10°	485.2	634.3	905.1	1194.9	1568.6	2027.2	2597.4	3291.3	4071.6	4933.0	5818.7
7.5°	498.9	666.4	966.6	1271.1	1681.0	2172.3	2769.0	3520.1	4439.6	5465.1	6515.8
5°	518.0	701.8	1012.8	1330.5	1760.2	2295.1	2940.4	3729.3	4685.8	5787.0	6941.9
2.5°	534.3	736.6	1053.8	1393.9	1832.6	2382.9	3051.6	3887.7	4916.2	6083.6	7300.8
0°	543.1	752.7	1073.1	1422.7	1862.9	2416.4	3087.5	3944.9	4999.4	6197.7	7456.5
-2.5°	547.6	761.4	1074.9	1425.5	1857.4	2389.9	3050.8	3882.2	4901.8	6074.0	7310.0
-5°	542.5	751.3	1052.9	1393.7	1806.2	2308.4	2928.3	3703.7	4645.8	5725.8	6891.4
-7.5°	529.1	723.8	1010.3	1330.8	1722.7	2178.9	2741.0	3427.0	4274.9	5226.3	6247.8
-10°	510.6	681.9	947.0	1244.8	1609.2	2014.6	2508.6	3100.4	3822.4	4628.7	5475.0
-12.5°	486.3	629.9	869.3	1138.6	1464.1	1827.7	2249.8	2751.4	3333.4	3991.6	4675.8
-15°	461.5	574.1	776.5	1021.4	1298.1	1625.2	1981.5	2397.0	2858.8	3364.6	3906.0
-17.5°	436.3	519.0	679.1	899.5	1130.5	1404.3	1710.3	2043.8	2418.0	2807.1	3211.2
-20°	413.6	473.1	587.3	765.1	967.5	1186.9	1441.2	1709.9	2002.0	2311.6	2613.2

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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	393.2	435.7	510.8	639.9	811.0	989.1	1183.2	1402.1	1633.3	1857.6	2088.2
-25°	374.0	405.6	452.9	537.6	659.7	804.5	960.5	1126.7	1296.6	1482.0	1649.9
-27.5°	353.8	378.9	412.8	461.4	540.3	642.2	759.1	891.8	1024.7	1155.4	1276.5
-30°	332.5	353.6	379.8	413.1	457.9	522.0	600.5	690.2	787.1	890.2	985.6
-32.5°	310.5	328.1	351.0	376.0	405.2	442.1	488.3	541.9	600.3	664.7	729.1
-35°	288.5	305.3	324.6	344.8	366.3	390.3	417.7	449.8	483.0	515.0	546.7
-37.5°	269.9	283.9	299.8	316.9	334.2	351.6	369.6	389.2	408.8	429.1	448.7
-40°	253.9	265.1	277.1	290.6	305.6	320.0	333.5	347.1	360.3	373.0	385.8
-42.5°	237.4	247.0	257.3	268.9	280.3	291.6	303.6	314.5	324.0	335.2	346.6
-45°	220.4	228.7	238.0	250.3	260.6	269.3	278.2	287.1	295.2	307.4	319.6
-47.5°	202.3	209.9	220.8	232.2	242.5	251.8	259.9	266.8	273.0	286.1	298.8
-50°	184.7	191.4	203.4	214.7	225.2	235.4	244.7	252.0	259.3	270.2	280.9
-52.5°	169.2	176.0	185.9	196.4	206.6	219.2	230.7	240.2	249.5	259.9	269.8
-55°	155.4	162.1	169.7	177.8	187.4	201.9	214.8	226.2	238.6	250.7	261.6
-57.5°	136.9	145.6	153.6	160.2	169.4	183.0	196.6	209.8	226.3	241.7	255.3
-60°	121.8	127.0	133.0	139.4	148.9	160.3	171.8	184.1	207.2	228.2	247.7
-62.5°	113.7	115.1	117.8	121.4	127.2	134.5	142.5	153.5	177.7	201.2	224.1
-65°	100.5	106.2	109.5	110.9	112.6	115.8	119.7	128.0	146.5	166.5	187.2
-67.5°	79.1	84.2	89.8	95.1	98.1	100.0	101.6	106.0	115.2	125.6	137.0
-70°	63.6	66.8	70.1	73.2	75.8	78.1	80.0	82.6	86.5	90.4	94.5
-72.5°	49.0	51.8	54.3	56.7	59.0	61.1	62.9	65.2	67.5	69.6	71.5
-75°	34.4	36.6	38.6	40.8	42.8	44.5	46.0	48.0	50.0	51.8	53.4
-77.5°	21.1	22.5	23.8	25.2	26.8	28.2	29.4	30.8	32.2	33.5	34.6
-80°	9.6	10.5	11.5	12.6	13.6	14.5	15.3	16.2	16.9	17.6	18.2
-82.5°	2.7	3.1	3.5	3.9	4.3	4.7	5.0	5.4	5.8	6.0	6.3
-85°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	5.2	5.4	5.5	5.7	6.0	6.2	6.4	6.4	6.4	6.3
85°	13.2	13.6	13.9	14.1	14.4	14.6	14.7	14.9	14.7	14.5	14.3
82.5°	24.4	24.8	25.1	25.4	25.8	26.1	26.4	26.5	26.2	25.8	25.3
80°	37.6	38.2	38.6	39.0	39.5	39.9	40.2	40.3	39.7	39.0	38.2
77.5°	51.9	52.7	53.3	53.8	54.4	54.9	55.2	55.3	54.2	53.1	51.9
75°	66.6	67.6	68.5	69.2	69.8	70.1	70.3	70.2	68.8	67.4	65.8
72.5°	81.9	83.5	85.0	86.2	86.5	86.7	86.5	85.9	84.0	81.9	79.8
70°	98.4	102.0	105.6	108.8	109.6	109.8	109.5	107.9	103.6	99.6	95.8
67.5°	116.2	123.3	130.2	136.8	139.4	141.5	142.8	140.6	131.8	123.1	115.0
65°	134.8	144.2	153.2	161.9	165.4	168.4	170.8	168.0	156.7	145.3	133.9
62.5°	153.6	163.4	172.7	181.6	185.0	188.1	190.8	187.3	175.8	163.8	151.2
60°	173.0	182.5	191.4	199.8	202.0	203.8	205.5	201.1	191.0	180.1	168.1
57.5°	193.3	201.9	209.9	217.3	218.7	219.7	220.3	215.3	206.4	196.8	187.2
55°	214.8	223.0	230.4	237.0	238.3	239.0	239.0	233.1	224.4	214.8	206.1
52.5°	237.5	245.8	253.3	260.0	261.3	261.8	261.5	253.5	243.6	233.5	225.5
50°	262.3	270.8	278.3	284.8	286.3	286.8	286.2	276.4	265.2	253.3	246.1
47.5°	289.6	298.1	305.6	312.0	313.9	314.6	313.7	302.5	290.3	277.2	269.5
45°	318.3	325.9	332.8	338.4	339.9	340.3	338.4	327.9	316.0	303.8	294.8
42.5°	350.8	357.3	362.7	366.2	366.8	366.1	362.5	353.2	341.9	331.0	321.5
40°	400.2	409.8	415.4	416.9	416.8	412.8	405.1	394.2	380.5	366.8	353.2
37.5°	499.1	517.9	528.8	530.2	533.4	524.3	508.1	486.1	458.4	435.9	407.7
35°	687.4	730.4	758.4	771.3	777.8	765.1	731.9	690.6	643.4	586.9	525.5
32.5°	950.2	1018.3	1064.6	1088.9	1094.7	1076.2	1027.2	959.0	877.4	789.8	708.3
30°	1271.5	1369.4	1436.5	1474.6	1482.1	1459.3	1386.3	1291.3	1173.5	1050.9	928.7
27.5°	1634.1	1746.9	1829.6	1876.0	1886.8	1858.9	1775.0	1656.7	1514.4	1352.4	1189.1
25°	2035.3	2182.4	2279.0	2329.6	2346.5	2308.5	2212.8	2069.5	1896.5	1697.1	1490.8
22.5°	2519.0	2703.8	2835.5	2897.3	2918.0	2859.1	2730.6	2551.5	2325.8	2082.4	1828.4
20°	3120.1	3379.4	3563.6	3646.1	3671.5	3583.1	3395.0	3133.7	2830.8	2513.8	2195.3
17.5°	3869.9	4218.5	4466.7	4584.6	4621.0	4500.2	4234.0	3875.3	3451.3	3011.5	2594.6
15°	4735.6	5192.7	5522.1	5688.8	5726.0	5560.7	5209.9	4732.8	4178.1	3593.1	3038.6
12.5°	5682.2	6264.4	6675.4	6893.8	6919.8	6717.3	6265.4	5651.4	4948.2	4215.9	3515.6
10°	6634.4	7324.1	7805.5	8044.9	8045.6	7792.6	7269.7	6549.6	5711.9	4833.4	3998.3
7.5°	7508.5	8288.7	8808.0	9043.1	9012.3	8678.1	8115.6	7333.5	6394.9	5397.9	4429.3
5°	8041.5	8990.7	9632.4	9825.6	9711.9	9326.1	8731.4	7924.8	6939.3	5859.3	4787.9
2.5°	8468.5	9432.6	10080.3	10318.1	10148.9	9736.1	9122.6	8306.4	7298.1	6161.0	5018.2
0°	8666.6	9653.3	10299.1	10501.1	10334.1	9851.4	9153.9	8271.2	7285.7	6199.7	5072.6
-2.5°	8494.5	9472.1	10096.6	10291.1	10156.7	9691.8	9021.0	8138.2	7066.8	5923.5	4829.3
-5°	8010.1	8917.6	9525.4	9736.2	9663.7	9239.0	8596.8	7739.1	6716.9	5617.9	4545.5
-7.5°	7234.4	8067.8	8635.0	8868.4	8860.7	8500.1	7901.6	7091.6	6143.3	5154.2	4195.1
-10°	6310.2	7036.4	7532.5	7789.1	7822.1	7511.6	6984.2	6250.3	5429.9	4576.1	3767.0
-12.5°	5345.5	5948.7	6354.7	6600.7	6649.3	6383.1	5936.8	5333.2	4652.9	3955.5	3298.6
-15°	4431.2	4894.4	5211.0	5418.9	5452.9	5249.6	4898.6	4429.7	3889.8	3344.0	2838.9
-17.5°	3599.3	3927.3	4169.2	4332.0	4351.7	4203.9	3941.6	3599.3	3193.2	2787.3	2413.6
-20°	2891.3	3120.3	3290.4	3401.7	3411.6	3314.5	3126.9	2876.0	2594.0	2308.2	2027.1

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2294.7	2456.6	2583.5	2661.6	2661.0	2588.1	2457.9	2292.0	2094.7	1885.4	1668.7
-25°	1787.6	1906.1	2000.6	2056.0	2059.3	2014.4	1929.0	1812.3	1671.2	1515.7	1352.6
-27.5°	1389.0	1484.1	1555.6	1594.6	1597.0	1566.5	1508.2	1424.4	1323.5	1208.7	1088.4
-30°	1067.5	1132.6	1190.7	1225.4	1230.5	1209.6	1168.9	1108.6	1034.4	949.5	857.7
-32.5°	788.0	840.4	888.2	915.9	920.8	907.2	878.3	834.5	782.6	727.8	667.6
-35°	574.7	601.5	630.4	648.8	661.3	661.3	649.0	625.8	592.2	548.5	504.2
-37.5°	465.1	478.3	489.2	495.2	497.6	493.8	487.3	476.1	458.5	437.2	414.2
-40°	396.5	405.2	411.8	415.5	415.1	411.3	405.3	397.4	387.1	375.6	363.0
-42.5°	356.0	361.7	365.0	366.7	364.6	360.6	355.1	350.5	344.0	336.0	327.3
-45°	330.4	334.5	336.7	337.9	333.2	327.1	320.2	315.9	310.0	302.8	296.1
-47.5°	310.6	313.0	314.4	315.0	308.4	300.8	292.3	288.2	283.1	276.9	271.9
-50°	290.8	292.5	293.5	293.9	287.4	280.3	272.7	268.2	263.0	256.4	250.6
-52.5°	277.7	278.5	278.8	278.8	272.4	265.5	258.1	251.7	244.7	236.5	229.7
-55°	269.0	269.3	269.3	269.1	261.0	252.4	242.9	234.7	226.6	217.4	208.9
-57.5°	263.3	263.6	263.8	264.0	252.2	239.9	227.0	216.5	207.2	197.2	187.4
-60°	257.5	257.8	257.8	257.5	241.7	225.3	208.1	195.0	185.6	176.0	166.6
-62.5°	234.1	234.3	233.7	232.4	215.6	198.0	179.8	166.6	160.1	153.8	147.7
-65°	195.0	194.5	193.0	190.6	176.7	162.1	147.3	136.6	133.1	129.4	125.8
-67.5°	142.9	145.1	146.2	146.4	138.0	129.2	120.2	113.8	112.7	111.5	110.5
-70°	97.5	99.9	101.9	103.3	101.1	98.6	95.8	93.9	94.9	95.4	95.5
-72.5°	72.8	73.9	74.7	75.2	74.8	74.2	73.3	72.6	73.1	73.2	72.6
-75°	54.5	55.2	55.7	56.0	56.1	55.9	55.5	55.1	55.2	55.1	54.8
-77.5°	35.6	36.4	37.1	37.5	37.7	37.7	37.5	37.2	37.4	37.4	37.2
-80°	18.8	19.2	19.6	19.8	20.1	20.3	20.4	20.4	20.6	20.8	20.7
-82.5°	6.6	6.9	7.2	7.4	7.6	7.7	7.8	7.8	8.0	8.1	8.2
-85°	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.7	0.8	0.8
-87.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.7	5.5
85°	14.0	13.9	13.7	13.5	13.3	13.0	12.6	12.2	11.8	11.2	10.6
82.5°	24.8	24.5	24.1	23.6	23.1	22.4	21.8	21.0	20.2	19.1	18.0
80°	37.3	36.8	36.1	35.4	34.5	33.6	32.5	31.3	30.0	28.2	26.5
77.5°	50.6	49.9	49.1	48.1	46.9	45.5	44.1	42.4	40.5	38.2	35.9
75°	64.3	63.4	62.4	61.2	59.7	58.0	56.1	54.0	51.5	48.7	45.7
72.5°	78.0	77.0	75.7	74.3	72.5	70.3	68.0	65.6	62.7	59.4	55.8
70°	93.4	92.3	91.0	89.2	86.6	83.6	80.5	77.4	73.5	69.6	65.7
67.5°	110.1	107.5	104.9	102.6	100.3	97.8	94.7	90.8	85.6	80.8	75.8
65°	127.9	124.0	120.0	116.1	113.3	110.0	106.4	102.8	98.2	92.8	86.8
62.5°	145.3	140.6	135.5	130.6	127.2	123.5	119.6	115.0	109.4	103.7	98.0
60°	162.6	157.0	151.2	146.0	141.8	137.3	132.5	127.6	121.8	115.4	108.5
57.5°	181.0	174.2	167.3	161.5	156.3	151.1	145.9	140.3	133.9	127.4	120.1
55°	199.8	192.6	184.8	178.0	171.5	165.4	159.2	153.1	146.5	139.1	133.6
52.5°	219.0	211.6	203.5	195.5	187.4	179.6	173.1	167.0	159.5	151.4	147.9
50°	239.3	231.5	223.0	214.0	204.6	194.9	188.3	181.6	173.9	165.1	163.1
47.5°	261.5	253.3	244.4	234.2	223.5	213.0	205.2	197.1	188.9	182.0	178.8
45°	285.0	275.1	265.4	255.1	243.8	233.0	223.2	213.8	204.1	198.1	193.4
42.5°	310.5	299.3	287.3	275.6	263.7	252.8	241.4	230.6	220.9	212.9	207.0
40°	339.8	325.6	312.0	298.1	284.9	272.2	259.4	247.0	236.9	227.6	219.7
37.5°	383.3	360.6	340.7	322.5	307.7	292.7	278.1	264.9	253.0	241.5	232.2
35°	472.6	425.2	385.9	354.2	331.5	314.0	298.2	284.8	270.2	256.2	244.0
32.5°	631.2	542.8	470.0	408.6	364.5	336.2	320.0	305.5	289.0	272.2	255.6
30°	811.2	712.7	601.1	497.4	420.9	368.9	341.3	325.3	308.9	288.5	269.0
27.5°	1031.6	889.2	753.5	628.4	504.7	418.1	367.5	343.3	326.3	305.5	283.2
25°	1284.2	1098.0	932.0	768.4	624.4	487.2	404.4	361.8	341.7	322.0	297.7
22.5°	1575.2	1333.5	1121.6	931.4	748.6	587.3	454.1	385.4	355.2	336.0	312.2
20°	1887.8	1594.9	1331.3	1103.1	887.9	696.6	514.3	414.3	369.6	348.6	322.2
17.5°	2212.9	1866.3	1555.5	1281.3	1031.7	794.1	597.6	449.1	384.8	354.2	327.1
15°	2551.7	2137.7	1774.3	1458.0	1176.3	906.5	674.5	486.1	398.7	358.6	330.2
12.5°	2907.0	2397.6	1976.7	1624.2	1316.2	1015.0	743.1	531.6	413.9	364.0	332.5
10°	3252.0	2644.3	2164.6	1769.8	1434.2	1116.5	810.8	579.1	428.7	369.4	334.4
7.5°	3568.4	2865.4	2323.2	1890.4	1533.9	1202.9	871.3	616.3	442.9	376.0	338.9
5°	3820.1	3042.7	2445.0	1985.6	1607.7	1264.4	915.3	643.0	455.2	381.8	342.1
2.5°	3984.1	3154.1	2526.4	2044.7	1651.0	1300.5	939.8	657.7	461.4	385.3	344.1
0°	4030.2	3189.5	2557.3	2068.2	1668.0	1313.3	943.5	659.7	461.5	386.4	344.6
-2.5°	3849.5	3074.1	2487.4	2017.7	1626.0	1275.4	916.0	645.0	456.6	384.4	343.5
-5°	3627.7	2910.8	2375.4	1933.2	1557.1	1214.3	869.3	617.4	446.9	380.2	340.8
-7.5°	3366.7	2737.8	2242.6	1822.9	1463.3	1132.7	807.7	577.1	433.4	373.8	336.8
-10°	3066.8	2518.3	2076.7	1685.1	1348.4	1032.7	741.3	528.1	417.6	366.1	331.4
-12.5°	2741.7	2281.8	1889.0	1529.3	1217.5	920.2	670.5	485.8	401.3	357.2	325.0
-15°	2403.6	2029.9	1684.3	1366.7	1084.0	807.5	591.0	450.0	384.8	347.7	317.5
-17.5°	2077.5	1762.9	1464.8	1197.4	944.4	707.1	522.2	420.6	369.4	337.7	309.2
-20°	1757.7	1497.3	1250.8	1027.2	803.5	613.0	469.6	397.2	357.8	328.0	300.7



REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1454.6	1248.0	1055.1	861.7	676.5	522.5	427.8	378.9	348.6	320.7	292.9
-25°	1189.1	1031.6	871.6	708.7	561.8	454.5	396.8	365.0	339.5	313.1	286.2
-27.5°	963.6	835.1	702.7	575.6	471.3	408.8	374.9	353.0	330.5	304.4	278.4
-30°	760.2	664.1	552.6	469.0	413.4	380.4	358.8	339.6	319.2	294.0	270.6
-32.5°	588.0	509.7	450.6	405.1	377.4	361.0	343.9	325.1	303.6	282.6	263.0
-35°	461.4	421.6	388.8	366.4	351.1	339.8	327.7	307.6	287.4	270.5	256.6
-37.5°	391.2	370.7	352.4	336.2	325.6	316.0	305.3	289.2	273.3	259.9	249.3
-40°	350.2	336.5	322.8	308.5	299.0	290.9	281.8	273.7	261.2	250.9	242.3
-42.5°	317.5	306.3	295.2	284.3	273.7	267.9	262.2	257.5	251.1	242.6	236.5
-45°	288.6	280.4	272.1	262.9	253.6	248.8	245.8	243.3	241.3	235.5	231.7
-47.5°	266.0	258.8	250.9	243.4	236.9	232.5	230.8	229.5	229.9	230.0	225.8
-50°	244.3	237.1	230.3	225.5	220.9	216.3	215.1	215.6	219.0	223.9	215.9
-52.5°	223.9	217.4	210.9	207.2	203.2	199.0	197.6	200.3	204.3	208.3	201.5
-55°	203.4	197.2	190.5	187.1	184.0	180.2	176.3	179.9	183.7	187.4	185.8
-57.5°	182.4	177.0	171.5	168.1	165.0	159.8	152.7	156.2	161.4	165.4	165.4
-60°	162.9	159.0	154.6	150.0	145.2	138.8	132.6	134.7	140.2	141.3	136.7
-62.5°	143.5	139.1	134.3	129.6	125.9	122.0	118.0	116.5	118.3	114.9	107.0
-65°	123.0	120.5	118.0	115.8	113.0	109.5	104.5	98.7	96.5	91.9	86.4
-67.5°	109.7	108.8	107.5	105.6	100.9	94.8	88.5	83.1	79.7	76.2	72.5
-70°	94.2	91.3	87.7	84.0	80.0	76.2	72.6	69.2	66.3	63.5	60.4
-72.5°	71.4	69.9	68.1	66.3	64.1	61.5	58.8	56.0	53.3	50.8	48.2
-75°	54.1	53.0	51.7	50.4	48.8	46.8	44.6	42.4	40.3	38.4	36.5
-77.5°	36.8	36.2	35.5	34.7	33.7	32.2	30.8	29.3	27.9	26.6	25.1
-80°	20.6	20.4	20.1	19.7	19.1	18.4	17.6	16.8	15.9	15.2	14.4
-82.5°	8.1	8.1	8.1	8.0	7.8	7.7	7.4	7.0	6.8	6.7	6.6
-85°	0.9	1.1	1.3	1.5	1.7	2.0	2.1	2.2	2.4	2.5	2.5
-87.5°	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
-90°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
87.5°	5.3	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.4	3.1	2.8
85°	10.0	9.4	8.9	8.4	7.9	7.3	6.8	6.3	5.8	5.2	4.7
82.5°	16.8	15.6	14.6	13.6	12.5	11.6	10.5	9.5	8.5	7.5	6.6
80°	24.7	23.0	21.4	19.9	18.3	16.7	15.1	13.5	11.9	10.3	8.8
77.5°	33.5	31.1	29.1	26.9	24.7	22.5	20.3	18.1	15.9	13.7	11.5
75°	42.7	39.8	37.1	34.4	31.6	28.8	25.9	23.1	20.3	17.4	14.5
72.5°	52.1	48.8	45.6	42.2	38.9	35.4	31.9	28.4	24.9	21.3	17.7
70°	61.7	58.0	54.2	50.4	46.4	42.2	38.2	34.0	29.8	25.4	21.1
67.5°	70.8	67.1	63.1	58.6	53.9	49.4	44.6	39.8	34.9	29.7	24.6
65°	81.2	76.6	71.7	67.0	61.8	56.5	51.2	45.6	40.1	34.1	28.2
62.5°	92.5	87.8	82.0	75.5	69.7	63.9	57.8	51.8	45.3	38.6	31.9
60°	104.7	100.5	94.0	86.3	77.8	71.1	64.5	57.7	50.7	42.9	35.6
57.5°	117.8	113.9	107.7	99.0	87.9	78.2	71.1	63.7	55.9	47.3	39.3
55°	131.8	128.3	122.1	113.0	99.1	86.8	77.1	69.7	60.8	51.7	42.9
52.5°	146.0	142.6	137.1	127.1	112.0	96.4	84.1	74.9	65.6	55.9	46.4
50°	160.8	156.9	151.3	141.8	126.3	107.8	91.6	80.1	70.3	59.9	49.9
47.5°	175.7	171.6	165.3	156.1	141.6	121.4	100.8	85.6	74.2	63.8	53.3
45°	190.2	186.2	178.6	169.9	156.8	136.3	112.0	91.6	78.4	67.5	56.5
42.5°	203.0	198.8	190.4	182.0	171.2	152.0	123.7	98.3	82.8	71.0	59.4
40°	214.3	207.7	200.1	192.5	183.6	167.1	134.2	105.5	87.1	74.1	62.3
37.5°	223.6	215.0	207.7	200.9	193.4	176.3	142.9	112.6	91.6	77.3	65.0
35°	232.7	222.3	213.9	207.5	201.7	179.7	149.1	118.6	95.9	80.4	67.5
32.5°	242.0	229.9	219.8	212.8	201.2	180.7	153.2	123.3	99.8	83.4	70.0
30°	251.7	237.9	226.2	214.9	200.2	180.5	155.3	126.6	103.1	86.2	72.6
27.5°	262.6	246.3	231.1	215.4	199.8	180.0	155.9	128.3	105.5	88.9	75.0
25°	274.6	253.4	233.5	216.5	199.8	179.4	155.3	128.8	106.8	91.7	77.3
22.5°	284.6	257.3	236.1	217.9	200.1	178.9	154.0	128.3	109.8	94.3	79.4
20°	290.2	261.5	238.3	218.9	200.5	178.4	152.3	131.1	112.5	96.6	81.4
17.5°	294.8	264.9	240.0	219.5	200.8	178.6	154.7	134.0	114.9	98.7	83.3
15°	298.2	267.4	241.3	220.0	201.4	180.3	156.9	136.3	116.9	100.5	84.9
12.5°	300.5	269.0	243.1	222.1	202.5	181.4	158.4	138.1	118.7	102.1	86.2
10°	303.4	273.2	247.0	224.2	203.3	181.8	159.2	139.4	120.0	103.4	87.4
7.5°	307.4	276.9	250.2	226.0	203.7	181.6	159.4	140.1	121.0	104.4	88.3
5°	310.1	279.5	252.6	227.2	203.7	180.9	159.0	140.4	121.7	105.2	89.0
2.5°	311.5	281.0	254.2	227.9	203.1	179.6	158.1	140.2	122.0	105.7	89.5
0°	311.6	281.5	255.0	227.9	202.0	177.8	156.7	139.7	122.0	105.9	89.8
-2.5°	310.6	281.0	254.4	227.4	202.0	178.2	157.0	139.8	122.0	105.9	89.8
-5°	308.4	279.5	252.9	226.1	201.2	178.0	156.8	139.5	121.7	105.6	89.5
-7.5°	305.0	277.0	250.5	224.1	200.0	177.3	156.2	138.8	121.1	105.0	89.0
-10°	300.6	273.7	247.2	221.4	198.2	176.0	155.1	137.8	120.2	104.2	88.3
-12.5°	295.7	269.5	243.0	218.1	196.0	174.1	153.6	136.4	119.0	103.1	87.4
-15°	290.0	264.6	238.8	214.7	193.2	171.7	151.7	134.6	117.5	101.8	86.3
-17.5°	283.4	259.1	234.9	212.4	191.0	168.9	149.4	132.4	115.8	100.2	85.0
-20°	276.1	253.4	231.2	209.8	188.8	166.4	146.9	129.9	113.7	98.4	83.5

REPORT NUMBER: P1217538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	268.4	247.7	227.2	207.0	185.7	163.2	144.1	127.0	111.4	96.4	81.7
-25°	262.3	242.1	223.0	203.7	181.9	159.4	140.6	123.7	108.8	94.2	79.6
-27.5°	256.8	237.7	219.0	199.5	177.0	154.8	136.6	120.1	105.6	91.7	77.4
-30°	251.1	233.6	215.5	194.0	171.0	149.5	132.0	116.1	101.9	88.8	75.2
-32.5°	246.2	230.1	212.8	189.3	164.2	143.8	126.8	111.8	98.0	85.3	73.0
-35°	241.8	227.4	210.2	185.6	156.4	137.6	121.4	107.0	93.8	81.6	70.3
-37.5°	238.9	226.1	207.7	181.6	153.3	130.9	115.7	101.8	89.4	77.6	66.7
-40°	236.8	225.4	204.0	176.5	149.8	125.2	109.4	96.5	84.5	73.5	63.0
-42.5°	232.6	223.3	198.5	171.3	145.3	121.2	102.8	90.8	79.6	69.7	59.3
-45°	226.4	215.1	191.8	165.2	139.2	115.6	96.6	84.8	74.5	65.3	55.5
-47.5°	216.5	202.2	183.9	157.0	131.2	108.6	90.9	78.6	69.4	60.7	51.7
-50°	203.1	188.6	171.5	146.3	121.2	100.2	84.1	72.5	64.4	56.1	47.9
-52.5°	188.5	172.9	154.8	132.7	109.3	90.7	76.9	66.8	59.1	51.5	44.0
-55°	171.3	153.9	135.3	116.7	96.3	81.0	70.2	61.4	53.8	47.0	40.0
-57.5°	149.1	131.2	113.7	98.7	83.6	72.3	63.8	55.6	48.6	42.2	36.1
-60°	122.2	106.9	94.3	83.0	72.9	64.9	57.1	50.0	43.2	37.6	32.2
-62.5°	97.3	87.9	79.2	71.5	64.5	57.2	50.5	44.2	37.9	33.1	28.3
-65°	80.7	74.4	68.3	62.1	55.8	49.7	43.9	38.3	32.9	28.5	24.4
-67.5°	68.7	63.6	58.2	52.7	47.3	42.3	37.3	32.6	27.9	24.1	20.6
-70°	57.0	52.8	48.1	43.7	39.3	35.0	30.9	26.9	23.1	19.9	17.0
-72.5°	45.4	42.2	38.5	34.8	31.4	28.0	24.6	21.4	18.4	15.7	13.6
-75°	34.3	31.9	29.1	26.3	23.7	21.2	18.6	16.0	13.8	11.9	10.3
-77.5°	23.6	21.9	20.0	18.1	16.2	14.4	12.7	11.1	9.6	8.3	7.6
-80°	13.5	12.5	11.4	10.4	9.5	8.5	7.9	7.2	6.4	5.7	5.4
-82.5°	6.4	6.2	6.0	5.7	5.4	5.1	4.7	4.3	3.9	3.4	3.4
-85°	2.6	2.5	2.5	2.4	2.3	2.1	2.1	2.0	1.8	1.7	1.9
-87.5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.9
-90°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.4	0.5	0.6	0.7	0.9	1.0	1.1
87.5°	2.5	2.2	2.0	1.8	1.5	1.3	1.1
85°	4.1	3.5	3.0	2.4	1.9	1.5	1.1
82.5°	5.7	4.8	4.0	3.2	2.4	1.7	1.1
80°	7.3	6.1	5.0	4.0	2.9	1.8	1.1
77.5°	9.5	7.6	6.1	4.8	3.4	2.0	1.1
75°	11.8	9.4	7.2	5.5	3.9	2.3	1.1
72.5°	14.4	11.3	8.6	6.3	4.5	2.6	1.1
70°	17.0	13.3	10.1	7.1	4.9	2.8	1.1
67.5°	19.8	15.4	11.5	8.1	5.4	3.0	1.1
65°	22.7	17.6	13.1	9.2	5.9	3.3	1.1
62.5°	25.6	19.8	14.7	10.2	6.4	3.5	1.1
60°	28.6	22.1	16.3	11.3	6.9	3.8	1.1
57.5°	31.6	24.4	18.0	12.3	7.5	4.0	1.1
55°	34.6	26.7	19.7	13.5	8.1	4.3	1.1
52.5°	37.5	29.0	21.4	14.6	8.7	4.5	1.1
50°	40.4	31.3	23.2	15.7	9.4	4.7	1.1
47.5°	43.1	33.6	24.8	16.8	10.0	4.9	1.1
45°	45.7	35.8	26.5	17.9	10.5	5.1	1.1
42.5°	48.3	38.0	28.1	19.0	11.1	5.2	1.1
40°	50.8	40.1	29.6	20.0	11.6	5.4	1.1
37.5°	53.3	42.1	31.1	21.0	12.1	5.6	1.1
35°	55.7	44.0	32.6	22.0	12.7	5.7	1.1
32.5°	58.0	45.8	33.9	22.9	13.2	5.9	1.1
30°	60.1	47.5	35.2	23.8	13.7	6.0	1.1
27.5°	62.1	49.2	36.4	24.6	14.1	6.2	1.1
25°	63.9	50.7	37.6	25.3	14.5	6.3	1.1
22.5°	65.6	52.1	38.6	26.0	14.9	6.4	1.1
20°	67.2	53.4	39.6	26.7	15.3	6.5	1.1
17.5°	68.5	54.6	40.5	27.3	15.6	6.6	1.1
15°	69.8	55.6	41.2	27.8	15.9	6.7	1.1
12.5°	70.8	56.5	41.9	28.2	16.1	6.7	1.1
10°	71.7	57.3	42.5	28.6	16.3	6.8	1.1
7.5°	72.4	57.9	42.9	28.9	16.5	6.8	1.1
5°	72.9	58.3	43.3	29.1	16.6	6.9	1.1
2.5°	73.3	58.6	43.5	29.2	16.7	6.9	1.1
0°	73.5	58.8	43.6	29.3	16.7	6.9	1.1
-2.5°	73.5	58.7	43.5	29.2	16.7	6.9	1.1
-5°	73.3	58.5	43.3	29.1	16.6	6.9	1.1
-7.5°	73.0	58.1	43.0	28.9	16.5	6.8	1.1
-10°	72.5	57.6	42.6	28.6	16.3	6.8	1.1
-12.5°	71.9	56.9	42.0	28.2	16.1	6.7	1.1
-15°	71.1	56.1	41.4	27.8	15.8	6.6	1.1
-17.5°	70.0	55.1	40.6	27.3	15.5	6.6	1.1
-20°	68.7	54.0	39.8	26.7	15.2	6.5	1.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	67.2	52.7	38.9	26.0	14.8	6.3	1.1
-25°	65.5	51.4	37.8	25.3	14.4	6.2	1.1
-27.5°	63.7	49.9	36.7	24.5	14.0	6.1	1.1
-30°	61.6	48.2	35.5	23.7	13.5	5.9	1.1
-32.5°	59.4	46.5	34.2	22.8	13.0	5.8	1.1
-35°	57.0	44.6	32.8	21.8	12.5	5.6	1.1
-37.5°	54.5	42.6	31.3	20.9	11.9	5.4	1.1
-40°	52.0	40.6	29.8	19.8	11.4	5.3	1.1
-42.5°	49.2	38.5	28.2	18.8	10.8	5.1	1.1
-45°	46.1	36.3	26.5	17.7	10.2	4.9	1.1
-47.5°	42.9	34.0	24.7	16.5	9.6	4.7	1.1
-50°	39.8	31.6	22.9	15.4	9.0	4.5	1.1
-52.5°	36.6	29.2	21.2	14.2	8.4	4.3	1.1
-55°	33.3	26.6	19.4	13.1	7.8	4.0	1.1
-57.5°	30.0	23.9	17.7	11.9	7.2	3.8	1.1
-60°	26.7	21.3	15.9	10.7	6.6	3.5	1.1
-62.5°	23.5	18.8	14.2	9.6	6.1	3.3	1.1
-65°	20.3	16.4	12.5	8.5	5.5	3.0	1.1
-67.5°	17.2	14.1	10.8	7.6	5.0	2.8	1.1
-70°	14.3	11.8	9.1	6.7	4.5	2.5	1.1
-72.5°	11.5	9.6	7.7	5.7	3.9	2.3	1.1
-75°	9.0	7.7	6.5	4.8	3.4	2.1	1.1
-77.5°	6.9	6.1	5.3	4.0	2.8	1.8	1.1
-80°	5.0	4.6	4.1	3.1	2.3	1.6	1.1
-82.5°	3.3	3.2	2.9	2.3	1.9	1.5	1.1
-85°	2.0	2.0	1.9	1.7	1.5	1.3	1.1
-87.5°	1.0	1.1	1.1	1.1	1.2	1.1	1.1
-90°	1.4	1.3	1.3	1.3	1.2	1.2	1.1

(END OF REPORT)