

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: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BK-3000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s26060036a-01)
Test Lab: INNOVATION CENTER
Issue Date: 27-07-2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: TRX15S-BK-3000K-4H4V
Description: 15W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 80 CRI, 3000K
Ballast/Driver: -

Summary

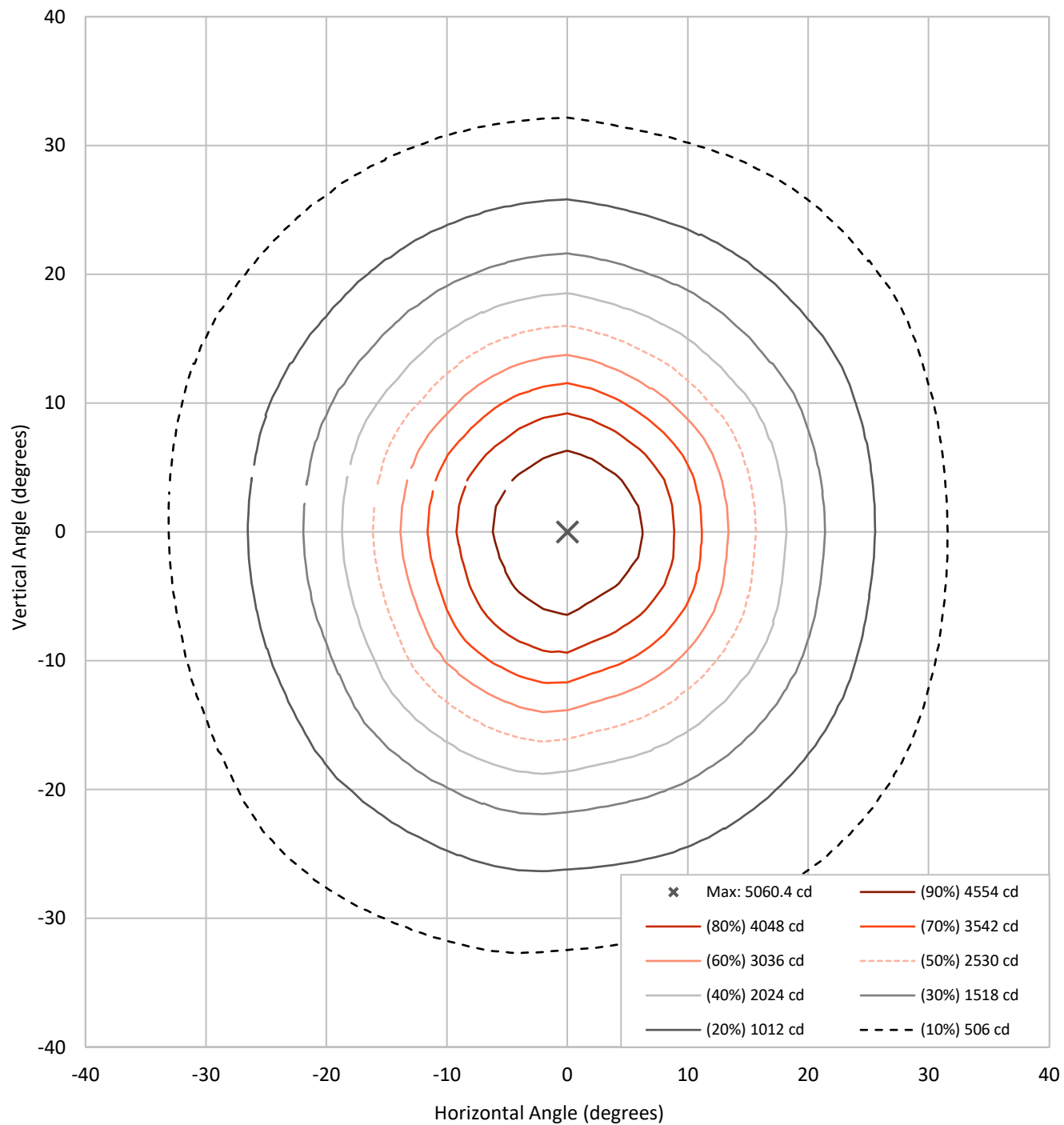
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	2326.3 lumens	Max Intensity:	5060.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.2 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	31.8°H x 32.1°V	Field Angle (10%):	64.6°H x 64.5°V
Beam Lumens:	850.1 lumens	Field Lumens:	1771.9 lumens
Beam Efficiency:	36.5%	Field Efficiency:	76.2%

Input Watts (W): 15.7
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



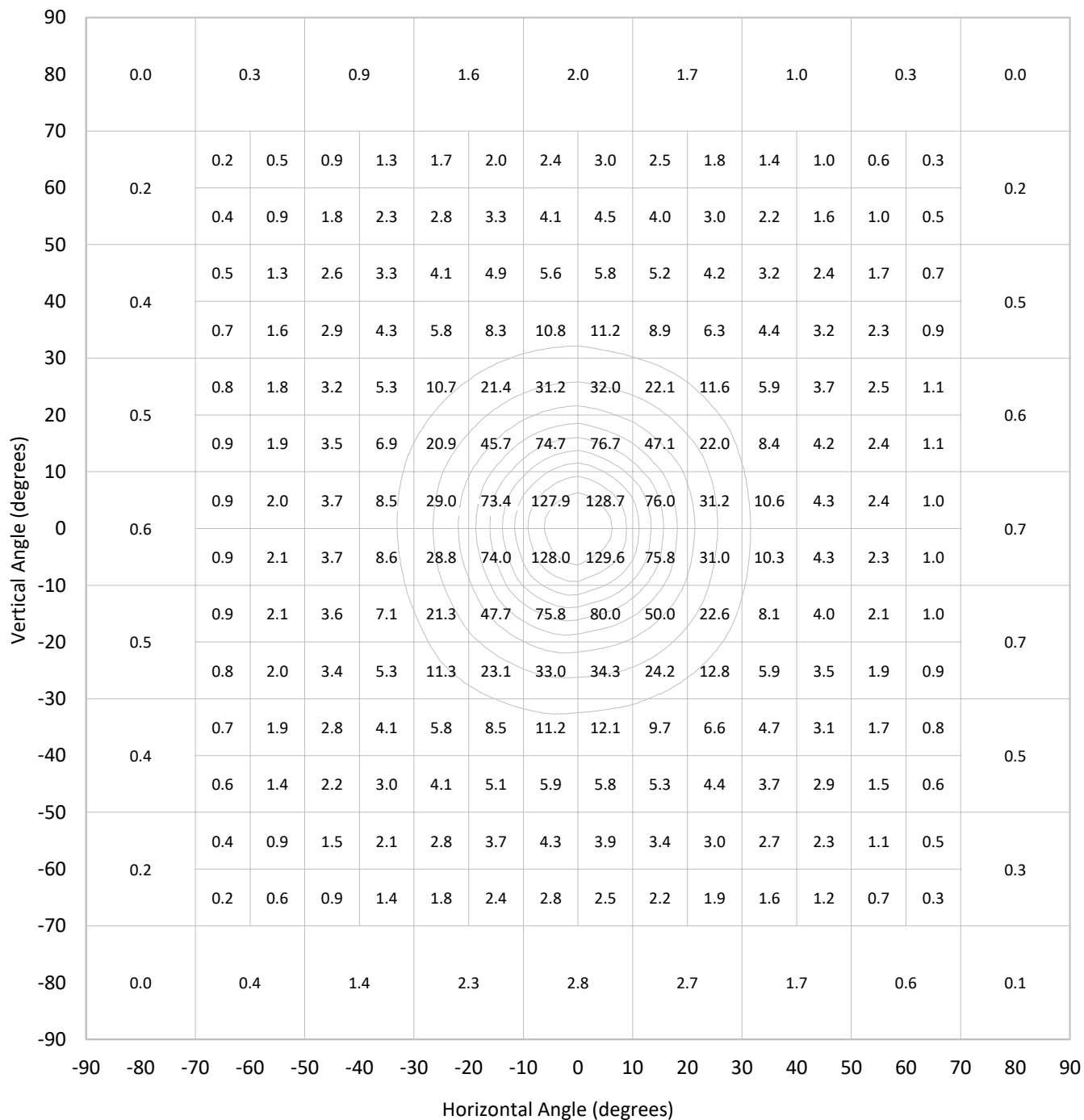
REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



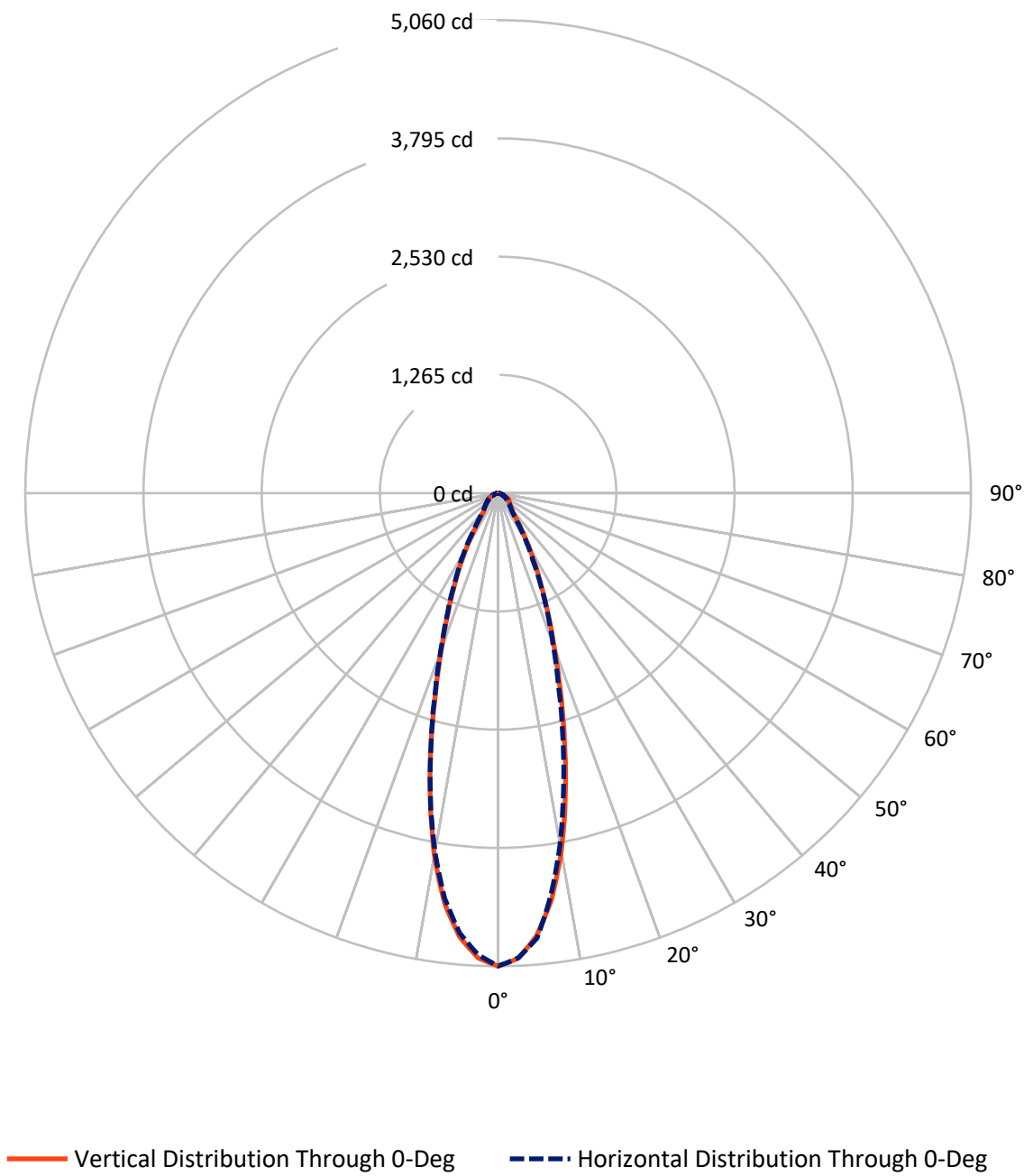
REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



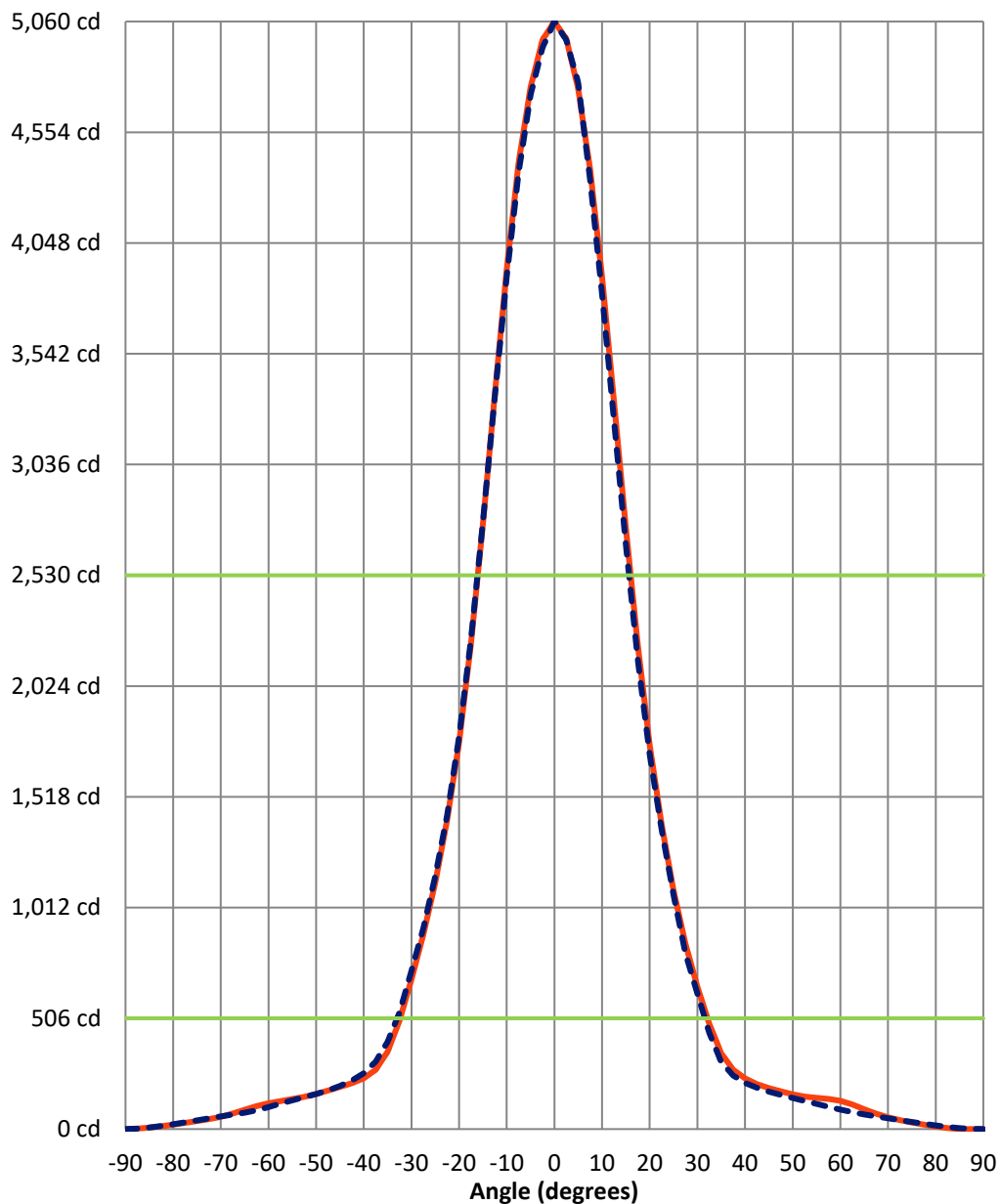
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 31.8°
V Angle: 32.1°
Lumens: 850.1
Efficiency: 36.5%

Field:

H Angle: 64.6°
V Angle: 64.5°
Lumens: 1771.9
Efficiency: 76.2%

Spill:

Lumens: 554.4
Efficiency: 23.8%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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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	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
87.5°	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.7	0.7
82.5°	0.1	0.2	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.4	1.4
80°	0.1	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.4	2.7
77.5°	0.1	0.3	0.6	0.9	1.3	1.7	2.2	2.8	3.5	4.3	4.7
75°	0.1	0.4	0.7	1.2	1.7	2.3	3.2	4.3	5.4	6.2	7.0
72.5°	0.1	0.4	0.9	1.5	2.1	3.2	4.5	6.0	7.4	8.8	10.2
70°	0.1	0.5	1.0	1.8	2.8	4.3	6.0	7.7	9.8	11.9	13.7
67.5°	0.1	0.6	1.2	2.2	3.6	5.5	7.4	9.8	12.5	15.1	17.2
65°	0.1	0.6	1.5	2.7	4.5	6.7	9.1	12.0	15.1	18.1	20.7
62.5°	0.1	0.7	1.7	3.2	5.4	7.9	10.8	14.1	17.7	21.3	24.2
60°	0.1	0.8	1.9	3.8	6.3	9.2	12.6	16.3	20.3	24.3	27.9
57.5°	0.1	0.8	2.2	4.4	7.2	10.5	14.2	18.4	22.7	27.4	31.4
55°	0.1	0.9	2.4	5.0	8.2	11.9	16.0	20.6	25.2	30.2	35.0
52.5°	0.1	1.0	2.7	5.6	9.1	13.2	17.7	22.6	27.8	33.2	38.7
50°	0.1	1.0	3.0	6.2	10.1	14.4	19.3	24.6	30.2	36.0	42.3
47.5°	0.1	1.1	3.4	6.8	11.1	15.8	21.0	26.6	32.6	38.9	45.7
45°	0.1	1.2	3.7	7.5	12.0	17.1	22.5	28.5	34.8	41.7	49.3
42.5°	0.1	1.3	4.0	8.0	13.0	18.3	24.0	30.4	37.1	44.6	53.7
40°	0.1	1.4	4.3	8.6	13.8	19.5	25.5	32.2	39.3	47.5	58.9
37.5°	0.1	1.4	4.7	9.2	14.7	20.8	27.0	33.9	41.5	50.4	63.4
35°	0.1	1.5	5.0	9.8	15.5	21.9	28.5	35.5	43.7	53.5	67.5
32.5°	0.1	1.6	5.3	10.3	16.3	23.0	29.9	37.1	45.9	56.5	71.4
30°	0.1	1.7	5.5	10.8	17.1	24.0	31.1	38.8	48.0	58.9	74.4
27.5°	0.1	1.7	5.8	11.3	17.8	24.9	32.4	40.4	49.9	61.0	76.4
25°	0.1	1.8	6.0	11.8	18.5	25.8	33.6	41.9	51.6	62.8	77.2
22.5°	0.1	1.9	6.2	12.2	19.1	26.7	34.6	43.3	53.2	64.5	77.1
20°	0.1	1.9	6.4	12.6	19.7	27.4	35.6	44.5	54.5	65.9	78.4
17.5°	0.1	2.0	6.6	12.9	20.2	28.1	36.4	45.6	55.6	66.9	79.4
15°	0.1	2.0	6.8	13.2	20.7	28.7	37.2	46.6	56.5	67.6	79.8
12.5°	0.1	2.1	6.9	13.5	21.1	29.3	37.9	47.3	57.2	68.0	79.8
10°	0.1	2.1	7.0	13.7	21.5	29.8	38.5	48.0	57.7	68.2	79.5
7.5°	0.1	2.2	7.1	13.9	21.8	30.1	39.0	48.5	58.1	68.1	78.8
5°	0.1	2.2	7.2	14.0	22.0	30.4	39.4	48.8	58.3	67.8	77.8
2.5°	0.1	2.2	7.3	14.1	22.2	30.7	39.6	49.0	58.2	67.3	76.5
0°	0.1	2.2	7.3	14.2	22.3	30.8	39.8	49.1	58.0	66.6	74.9
-2.5°	0.1	2.2	7.3	14.2	22.3	30.9	39.9	49.2	58.1	66.7	75.1
-5°	0.1	2.2	7.3	14.2	22.3	30.9	39.8	49.1	58.1	66.7	75.1
-7.5°	0.1	2.2	7.3	14.2	22.2	30.8	39.7	49.0	57.9	66.6	74.8
-10°	0.1	2.2	7.2	14.1	22.1	30.6	39.5	48.7	57.6	66.3	74.4
-12.5°	0.1	2.2	7.2	14.0	21.9	30.3	39.1	48.2	57.2	65.8	73.9
-15°	0.1	2.1	7.1	13.8	21.6	30.0	38.7	47.7	56.6	65.2	73.1
-17.5°	0.1	2.1	7.0	13.6	21.3	29.5	38.2	47.1	55.9	64.5	72.3
-20°	0.1	2.1	6.8	13.3	20.9	29.0	37.6	46.3	55.0	63.5	71.3

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-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	2.0	6.7	13.0	20.4	28.4	36.8	45.4	54.0	62.5	70.2
-25°	0.1	2.0	6.5	12.7	19.9	27.8	36.0	44.4	52.9	61.2	68.7
-27.5°	0.1	1.9	6.3	12.3	19.3	27.0	35.0	43.3	51.6	59.5	66.9
-30°	0.1	1.8	6.1	11.8	18.7	26.2	34.0	42.0	50.1	57.5	64.8
-32.5°	0.1	1.8	5.9	11.4	18.1	25.4	32.9	40.7	48.2	55.3	62.5
-35°	0.1	1.7	5.7	10.9	17.4	24.4	31.7	39.2	46.2	53.2	60.0
-37.5°	0.1	1.6	5.4	10.4	16.6	23.4	30.5	37.4	44.2	50.8	57.4
-40°	0.1	1.5	5.1	9.9	15.8	22.3	29.0	35.6	41.9	48.4	54.6
-42.5°	0.1	1.5	4.8	9.3	15.0	21.2	27.6	33.6	39.7	45.8	51.9
-45°	0.1	1.4	4.5	8.8	14.1	20.0	25.9	31.7	37.4	43.2	48.9
-47.5°	0.1	1.3	4.2	8.2	13.2	18.8	24.2	29.6	35.1	40.4	45.8
-50°	0.1	1.2	3.9	7.6	12.2	17.5	22.6	27.5	32.6	37.7	42.7
-52.5°	0.1	1.1	3.5	7.0	11.2	16.2	20.7	25.4	30.2	34.8	39.6
-55°	0.1	1.0	3.2	6.5	10.3	14.8	19.1	23.3	27.6	32.0	36.4
-57.5°	0.1	1.0	2.9	5.9	9.3	13.3	17.2	21.1	25.0	29.0	33.3
-60°	0.1	0.9	2.6	5.3	8.4	11.9	15.4	19.0	22.5	26.1	30.0
-62.5°	0.1	0.8	2.3	4.7	7.5	10.5	13.6	16.8	19.9	23.2	26.8
-65°	0.1	0.7	2.0	4.1	6.6	9.2	11.8	14.6	17.4	20.3	23.5
-67.5°	0.1	0.6	1.7	3.5	5.8	7.9	10.1	12.5	14.9	17.5	20.3
-70°	0.1	0.6	1.5	2.9	4.9	6.8	8.5	10.5	12.5	14.8	17.2
-72.5°	0.1	0.5	1.2	2.4	4.0	5.6	7.1	8.6	10.3	12.1	14.2
-75°	0.1	0.4	1.0	1.9	3.2	4.5	5.8	7.0	8.2	9.6	11.3
-77.5°	0.1	0.4	0.8	1.5	2.5	3.4	4.4	5.5	6.4	7.5	8.6
-80°	0.1	0.3	0.7	1.1	1.8	2.5	3.1	3.9	4.7	5.5	6.3
-82.5°	0.1	0.3	0.5	0.8	1.3	1.7	2.1	2.6	3.0	3.6	4.2
-85°	0.1	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.4
-87.5°	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
85°	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.2
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5	2.7
80°	3.0	3.1	3.3	3.7	4.2	4.8	5.3	5.8	6.3	6.8	7.3
77.5°	4.9	5.2	6.0	7.0	7.8	8.8	9.9	10.9	11.9	12.8	13.7
75°	7.9	8.8	10.0	11.5	12.9	14.3	15.6	17.1	18.6	20.1	21.5
72.5°	11.5	12.9	14.5	16.3	18.1	19.9	21.9	23.9	25.7	27.7	29.4
70°	15.4	17.2	19.0	21.3	23.6	25.9	28.1	30.6	32.9	35.2	37.3
67.5°	19.3	21.5	23.7	26.4	29.1	31.8	34.3	37.2	40.3	43.5	46.6
65°	23.2	25.8	28.4	31.6	34.6	37.8	41.0	44.5	48.2	51.8	56.0
62.5°	27.3	30.3	33.3	36.7	40.7	44.5	48.1	51.9	56.6	61.3	64.5
60°	31.3	34.8	38.3	42.7	47.3	51.6	55.6	59.8	63.9	66.0	68.7
57.5°	35.4	39.4	44.0	49.2	54.5	59.6	63.8	65.5	68.8	71.9	75.0
55°	39.5	44.4	50.1	56.4	62.7	68.0	71.0	72.1	74.8	79.6	84.1
52.5°	43.9	49.8	57.7	64.9	71.4	76.3	79.2	80.6	83.7	89.1	93.3
50°	48.3	57.1	66.2	74.8	80.6	85.5	89.0	91.8	93.7	98.9	103.1
47.5°	54.0	65.3	76.7	85.8	91.0	96.0	100.3	103.5	105.7	109.3	114.0
45°	61.9	74.8	88.3	97.3	102.8	107.2	111.6	114.5	116.9	119.6	124.2
42.5°	68.8	86.4	100.5	109.1	114.2	118.3	121.9	124.5	126.9	129.5	133.5
40°	75.6	98.6	112.4	120.2	124.7	127.9	130.8	133.0	135.1	138.2	142.8
37.5°	82.5	107.4	123.7	130.0	133.3	135.3	137.9	139.9	142.3	146.4	152.7
35°	88.1	112.1	133.7	138.4	139.5	141.1	143.0	145.7	149.0	155.3	163.6
32.5°	92.0	115.1	134.9	144.8	144.6	145.3	147.3	150.7	156.2	165.4	175.0
30°	94.7	116.5	134.8	145.9	148.5	148.8	151.5	156.7	165.5	175.8	186.5
27.5°	96.0	116.9	134.6	144.6	150.0	152.1	156.3	164.3	175.7	186.3	197.9
25°	96.3	116.8	133.8	143.8	149.3	154.8	162.1	173.4	185.4	196.5	209.6
22.5°	95.8	116.4	133.1	143.2	148.8	155.6	167.2	182.6	194.3	206.4	221.4
20°	94.9	116.1	132.6	142.6	148.6	156.6	170.3	188.1	202.5	215.8	234.5
17.5°	95.6	115.6	132.3	142.2	148.3	157.7	173.1	190.2	206.6	224.2	249.3
15°	95.8	114.9	131.4	141.6	148.0	158.6	174.8	192.0	209.8	230.5	264.0
12.5°	95.5	113.7	129.5	139.9	147.7	159.1	175.6	193.4	212.9	237.2	276.8
10°	94.5	112.0	127.5	138.4	147.7	160.3	176.5	194.7	215.8	243.6	288.8
7.5°	93.0	109.7	125.2	136.8	147.7	161.1	177.6	196.6	218.7	249.0	299.0
5°	91.0	107.0	122.6	135.2	147.4	161.4	178.0	197.6	221.0	253.2	306.0
2.5°	88.6	103.9	119.7	133.5	146.9	161.1	177.8	197.8	222.2	255.3	309.3
0°	85.9	100.4	116.5	131.4	145.9	160.3	176.8	197.2	222.1	255.4	308.6
-2.5°	85.9	99.8	115.3	130.0	144.8	159.9	176.5	196.8	221.6	254.1	305.8
-5°	85.6	98.8	113.6	128.1	143.1	158.8	175.5	195.5	219.7	250.7	299.5
-7.5°	85.1	97.5	111.6	125.8	140.8	157.0	173.8	193.2	216.6	245.7	290.2
-10°	84.4	96.0	109.3	123.0	138.0	154.5	171.5	190.1	212.4	239.3	278.3
-12.5°	83.6	94.4	106.8	119.9	134.6	151.4	168.3	185.9	206.8	231.6	265.1
-15°	82.6	92.6	104.0	116.7	131.7	148.2	164.5	181.2	200.5	223.4	251.7
-17.5°	81.4	90.7	101.8	115.0	129.3	144.9	160.4	176.1	193.8	214.6	240.0
-20°	80.1	89.2	99.9	112.8	126.8	141.4	155.8	170.6	187.2	206.9	228.7

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-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°	78.3	87.2	97.7	110.1	123.9	137.9	151.3	165.5	182.1	199.7	218.5
-25°	76.3	85.1	95.1	107.3	120.5	134.1	147.2	160.9	176.6	193.1	209.5
-27.5°	74.1	82.6	92.1	103.8	116.7	130.7	143.4	155.8	170.5	186.6	202.0
-30°	71.8	79.9	88.9	99.8	114.1	128.1	139.8	150.8	163.6	179.5	195.5
-32.5°	69.4	76.9	85.5	97.1	112.5	126.0	137.0	146.6	157.2	172.3	188.6
-35°	66.8	73.9	82.0	95.9	111.0	124.5	135.1	143.6	152.3	164.4	180.2
-37.5°	63.9	70.7	80.4	94.1	109.2	123.3	134.1	141.3	148.4	157.6	170.1
-40°	61.0	67.7	77.9	91.2	106.6	121.6	132.9	139.3	145.2	152.6	161.7
-42.5°	57.8	65.0	74.6	87.2	102.4	118.5	130.4	137.3	142.8	148.5	152.7
-45°	54.6	61.9	70.6	82.1	96.6	113.6	127.3	135.8	141.0	145.5	145.2
-47.5°	51.5	58.2	66.3	76.1	89.5	107.2	123.7	134.6	140.8	140.5	138.6
-50°	48.1	54.1	61.5	70.3	81.9	100.2	118.0	132.7	141.7	135.7	131.6
-52.5°	44.6	50.0	56.3	64.3	75.1	91.0	109.7	127.2	135.1	129.0	123.7
-55°	41.0	45.8	51.2	57.7	67.4	80.6	97.7	116.9	122.0	118.3	113.1
-57.5°	37.5	41.7	46.2	51.6	59.5	69.4	83.1	99.9	104.3	103.9	100.0
-60°	33.9	37.8	41.6	46.2	51.9	59.6	69.0	79.0	85.0	87.4	86.3
-62.5°	30.3	33.8	37.2	41.4	46.0	51.0	57.3	64.0	68.4	71.9	73.1
-65°	26.7	29.8	32.8	36.8	40.8	44.9	49.1	52.5	56.2	59.7	62.0
-67.5°	23.1	25.9	28.8	32.3	35.9	39.5	42.9	45.2	47.5	49.9	52.3
-70°	19.6	22.1	24.7	27.8	31.0	34.1	36.9	38.7	40.4	42.2	44.0
-72.5°	16.2	18.3	20.7	23.3	26.1	28.8	31.0	32.5	33.9	35.2	36.6
-75°	12.9	14.6	16.7	18.9	21.2	23.5	25.2	26.5	27.6	28.6	29.9
-77.5°	9.9	11.1	12.8	14.7	16.5	18.4	19.7	20.7	21.6	22.4	23.5
-80°	7.2	8.1	9.3	10.7	12.1	13.5	14.4	15.1	15.8	16.4	17.2
-82.5°	4.8	5.4	6.3	7.2	8.2	9.2	9.7	10.2	10.6	11.0	11.6
-85°	2.6	2.9	3.6	4.2	4.9	5.7	5.9	6.1	6.3	6.5	6.8
-87.5°	1.2	1.3	1.6	1.9	2.2	2.5	2.6	2.7	2.7	2.8	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	3.0	3.2	3.4	3.6	3.7	3.8	3.8	4.0	4.2	4.3	4.4
80°	7.7	8.1	8.5	8.8	9.2	9.5	9.8	10.1	10.5	10.8	11.0
77.5°	14.5	15.3	15.9	16.6	17.2	17.8	18.2	18.9	19.6	20.2	20.7
75°	22.5	23.5	24.4	25.3	26.2	26.9	27.4	28.2	29.1	30.0	30.7
72.5°	30.8	32.0	33.1	34.1	35.1	36.1	37.0	37.9	38.9	39.7	40.4
70°	39.1	40.8	42.2	43.5	44.8	45.9	46.8	48.1	49.6	50.9	52.2
67.5°	48.5	50.4	52.2	54.1	56.2	58.2	59.9	62.2	65.4	68.9	73.0
65°	59.2	61.3	62.5	63.1	65.1	67.9	71.2	76.1	84.7	94.2	104.0
62.5°	65.2	66.3	67.7	69.2	73.1	78.3	84.4	91.7	104.0	116.2	127.9
60°	70.9	72.8	75.6	78.7	84.5	92.3	100.6	108.9	120.5	130.6	139.6
57.5°	78.7	82.4	86.1	90.1	96.3	105.6	114.6	123.2	130.9	137.1	142.3
55°	87.4	91.4	96.2	101.7	107.7	116.8	125.1	132.5	137.9	142.0	145.7
52.5°	96.4	100.4	106.7	112.8	118.3	126.1	133.0	138.7	143.2	147.1	150.9
50°	106.8	110.5	117.4	123.7	129.4	135.7	141.6	146.3	150.6	155.3	159.9
47.5°	118.1	122.0	128.0	134.7	141.0	146.5	152.0	157.2	162.0	168.1	173.5
45°	128.6	133.3	139.2	146.5	152.8	158.4	164.7	170.6	176.0	181.7	186.6
42.5°	138.9	145.0	151.7	159.0	166.1	172.8	180.2	187.0	192.6	197.7	202.2
40°	149.4	157.0	164.8	173.3	182.4	190.8	198.9	206.4	213.0	218.7	223.7
37.5°	160.4	169.4	179.3	190.1	200.5	211.0	221.3	231.5	241.0	249.4	257.3
35°	172.2	182.9	195.1	207.9	221.3	235.4	250.8	266.4	282.0	297.0	311.1
32.5°	185.3	197.2	212.0	228.1	247.3	270.1	294.9	322.4	350.7	380.4	410.8
30°	198.7	213.3	231.3	254.7	285.2	321.1	359.0	404.1	453.8	503.1	549.0
27.5°	212.4	231.1	256.7	291.6	334.4	385.7	447.1	513.4	582.8	654.2	714.9
25°	227.1	253.4	289.7	337.3	399.4	475.0	555.2	647.7	734.6	821.7	903.9
22.5°	244.9	280.6	329.6	397.8	483.7	575.5	682.4	790.8	907.5	1021.4	1129.9
20°	266.6	312.5	379.9	474.1	575.3	688.6	814.6	956.6	1103.8	1252.7	1400.8
17.5°	290.7	350.3	442.6	554.1	678.4	811.3	961.7	1132.9	1322.4	1522.2	1722.9
15°	316.6	394.3	508.1	640.0	779.0	941.9	1123.6	1324.7	1563.0	1828.6	2094.6
12.5°	339.5	438.6	573.9	722.0	883.1	1072.7	1294.6	1546.7	1826.6	2153.1	2498.5
10°	361.0	474.4	627.1	790.8	980.9	1198.1	1460.0	1776.0	2130.3	2498.9	2899.6
7.5°	379.3	503.5	669.1	844.2	1053.7	1303.6	1612.2	1981.4	2413.6	2882.8	3309.3
5°	392.5	524.1	699.3	884.9	1108.6	1376.3	1713.3	2130.0	2619.4	3143.6	3669.7
2.5°	399.4	534.6	717.4	910.5	1144.3	1422.7	1777.2	2217.1	2738.9	3298.4	3847.6
0°	399.3	533.9	722.7	918.4	1156.2	1435.4	1794.5	2240.3	2775.3	3347.4	3895.8
-2.5°	394.2	525.5	714.4	910.2	1142.2	1415.7	1765.9	2202.0	2720.9	3278.1	3809.0
-5°	382.6	506.0	691.2	884.6	1105.1	1362.5	1689.8	2097.4	2572.0	3102.1	3634.8
-7.5°	365.8	479.5	655.2	842.2	1046.7	1284.3	1575.4	1947.8	2390.7	2885.5	3416.9
-10°	345.8	450.0	607.6	786.6	975.5	1189.5	1448.1	1775.7	2182.7	2645.7	3071.4
-12.5°	322.0	414.0	549.7	721.9	893.9	1085.0	1309.7	1603.6	1958.7	2313.8	2649.4
-15°	297.7	376.3	493.2	647.6	806.8	980.5	1182.2	1423.4	1683.3	1956.9	2229.8
-17.5°	276.3	339.3	436.4	565.8	720.9	877.4	1048.2	1227.1	1419.8	1628.1	1836.5
-20°	257.2	304.7	380.9	495.0	630.3	772.9	901.9	1041.8	1192.6	1347.6	1499.1

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	240.9	276.0	336.2	425.9	540.3	652.8	759.5	870.4	988.7	1108.1	1224.0
-25°	227.7	253.7	296.7	363.5	447.8	538.0	629.8	716.2	801.4	893.9	983.2
-27.5°	217.9	236.6	264.6	307.6	365.8	436.2	510.2	577.1	647.6	714.3	773.0
-30°	209.8	224.3	241.4	264.7	300.4	350.0	403.7	460.0	511.3	557.9	607.0
-32.5°	202.6	215.0	223.4	237.0	256.7	283.7	318.4	357.7	394.7	429.9	462.5
-35°	195.7	202.6	208.4	216.5	228.3	243.8	262.2	284.0	307.3	329.7	348.6
-37.5°	183.0	189.3	193.8	199.1	207.5	217.7	228.3	239.7	251.3	263.8	274.2
-40°	167.3	173.7	178.8	183.5	190.3	197.4	204.7	212.5	219.4	225.6	231.0
-42.5°	155.2	158.7	162.9	168.8	174.7	179.9	185.7	191.7	197.3	201.9	205.4
-45°	146.2	147.5	149.8	154.6	159.8	164.3	169.1	173.7	177.9	181.7	184.6
-47.5°	138.4	138.8	139.8	142.1	145.6	149.5	153.6	157.3	160.5	164.0	166.6
-50°	129.9	129.8	130.0	130.6	132.0	135.0	138.2	141.2	144.1	147.8	150.6
-52.5°	120.2	119.2	119.0	118.9	118.7	121.1	123.7	125.8	128.7	132.4	135.5
-55°	108.1	107.9	107.7	107.1	106.4	108.6	110.7	112.3	115.2	118.6	121.5
-57.5°	95.1	96.0	96.1	95.4	95.7	97.7	99.2	100.5	103.0	105.7	108.2
-60°	84.3	84.9	84.9	84.3	85.6	87.6	89.3	90.4	92.1	93.7	95.3
-62.5°	73.9	75.1	75.2	74.6	76.1	78.1	79.8	81.3	82.1	82.9	83.5
-65°	64.1	65.6	66.4	66.6	68.6	70.3	71.7	72.8	73.3	73.9	74.2
-67.5°	54.4	56.1	57.4	58.7	61.0	63.1	64.7	65.5	65.5	65.4	65.3
-70°	46.0	47.7	49.2	50.6	52.3	54.0	55.7	56.8	57.2	57.3	57.2
-72.5°	38.3	39.9	41.4	42.8	44.2	45.6	46.8	47.5	47.8	48.0	48.1
-75°	31.3	32.6	33.9	35.2	36.4	37.5	38.6	39.1	39.3	39.4	39.5
-77.5°	24.6	25.7	26.7	27.7	28.7	29.7	30.6	30.8	30.9	31.0	30.9
-80°	18.1	18.9	19.7	20.5	21.3	22.1	22.8	22.9	22.9	22.9	22.7
-82.5°	12.1	12.7	13.2	13.8	14.3	14.8	15.3	15.4	15.4	15.3	15.2
-85°	7.0	7.3	7.6	7.8	8.1	8.4	8.7	8.7	8.7	8.6	8.5
-87.5°	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.6	3.6	3.5	3.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
82.5°	4.5	4.6	4.7	4.7	4.3	3.9	3.4	3.0	3.0	2.9	2.8
80°	11.2	11.3	11.3	11.3	10.7	10.1	9.4	8.7	8.7	8.5	8.3
77.5°	20.9	21.0	20.9	20.7	20.0	19.3	18.4	17.6	17.5	17.2	16.9
75°	30.8	30.7	30.5	30.2	29.6	28.9	28.0	27.2	26.9	26.6	26.2
72.5°	40.8	41.0	41.1	41.0	40.2	39.3	38.2	37.2	36.8	36.4	35.8
70°	53.1	53.6	53.9	53.9	52.5	51.0	49.3	47.9	47.7	47.3	46.4
67.5°	74.5	73.8	72.4	70.5	67.5	64.4	61.2	59.0	59.0	58.9	58.8
65°	105.5	101.2	96.3	90.7	84.6	78.3	71.9	67.6	66.6	65.5	64.4
62.5°	130.0	124.5	118.7	112.5	104.2	95.6	86.6	80.6	78.3	75.9	73.5
60°	141.8	137.6	133.5	129.3	121.0	112.3	103.2	96.5	92.5	88.6	84.9
57.5°	144.3	142.1	140.0	137.8	131.6	124.9	117.7	111.5	106.0	100.5	95.5
55°	147.7	146.2	144.5	142.8	139.0	134.9	130.2	124.9	119.3	113.1	107.9
52.5°	153.6	152.2	150.5	148.5	146.3	143.8	140.8	136.5	131.5	125.8	121.2
50°	163.8	162.7	161.0	158.8	156.8	154.4	151.6	148.0	143.7	138.5	134.6
47.5°	178.3	177.0	175.1	172.7	169.9	166.6	163.0	160.3	156.6	152.1	148.7
45°	190.6	190.4	189.2	187.3	184.4	180.7	176.6	173.8	170.3	166.6	162.8
42.5°	205.4	206.5	206.4	205.5	202.6	198.8	194.6	191.3	187.2	182.7	178.0
40°	227.6	230.5	232.0	231.8	228.1	222.9	217.6	213.0	207.3	201.3	195.4
37.5°	263.9	268.6	271.4	271.7	266.5	258.8	251.1	243.6	234.5	225.1	216.3
35°	323.0	333.2	342.9	346.4	337.7	323.9	310.8	296.4	280.4	262.6	244.9
32.5°	439.1	460.8	476.1	481.2	463.6	436.9	413.6	387.0	359.2	329.6	298.6
30°	590.4	622.2	643.2	650.6	623.9	585.5	555.5	517.0	477.1	432.0	382.3
27.5°	766.7	807.4	834.8	846.6	815.1	768.8	726.5	674.0	619.2	560.6	495.7
25°	973.4	1029.8	1070.6	1089.6	1052.5	998.1	938.4	867.6	791.9	708.8	624.8
22.5°	1226.8	1308.9	1365.2	1391.7	1343.7	1275.4	1195.3	1103.4	999.8	886.2	773.4
20°	1538.3	1649.8	1723.9	1754.0	1690.4	1600.2	1488.2	1364.6	1227.2	1082.6	939.5
17.5°	1910.4	2067.4	2171.0	2211.5	2115.5	1981.4	1828.0	1669.6	1483.9	1290.2	1113.6
15°	2346.4	2556.2	2692.9	2745.6	2630.1	2440.8	2243.8	2008.9	1757.9	1526.6	1296.2
12.5°	2816.3	3082.5	3255.4	3325.2	3205.8	2962.8	2713.4	2401.5	2074.3	1768.3	1514.5
10°	3286.4	3601.0	3810.4	3893.1	3776.9	3517.0	3207.4	2817.9	2423.1	2059.1	1717.7
7.5°	3716.4	4049.5	4285.3	4383.1	4250.7	4017.4	3668.1	3245.7	2801.2	2317.9	1884.5
5°	4116.8	4437.6	4637.6	4751.3	4651.1	4418.7	4074.0	3598.8	3046.9	2508.1	2022.3
2.5°	4322.3	4677.2	4898.8	4980.7	4905.0	4683.4	4289.5	3773.9	3197.9	2632.2	2113.5
0°	4371.6	4724.5	4940.1	5060.4	4974.8	4778.2	4335.0	3815.3	3238.0	2669.1	2145.2
-2.5°	4260.2	4642.5	4898.2	4976.0	4851.3	4663.0	4313.8	3791.9	3186.4	2611.8	2105.7
-5°	4119.6	4469.7	4664.1	4759.6	4592.1	4408.0	4068.1	3617.9	3095.2	2547.1	2045.2
-7.5°	3847.3	4143.8	4339.5	4416.6	4214.0	4034.7	3712.4	3293.6	2824.8	2362.1	1929.3
-10°	3429.9	3710.5	3902.4	3928.6	3729.4	3559.2	3270.7	2901.4	2504.8	2118.9	1756.5
-12.5°	2954.2	3201.9	3377.8	3357.9	3174.2	3031.2	2788.6	2484.4	2167.0	1851.1	1567.2
-15°	2476.5	2677.4	2818.0	2765.8	2613.2	2498.9	2313.5	2085.3	1837.9	1603.1	1362.1
-17.5°	2029.0	2185.9	2273.2	2221.1	2119.1	2024.8	1894.8	1728.4	1556.7	1362.6	1178.6
-20°	1637.9	1755.2	1807.9	1767.0	1707.8	1641.5	1558.9	1438.6	1300.8	1155.7	1002.8

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-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°	1325.7	1409.4	1440.6	1414.4	1379.9	1328.9	1270.1	1184.8	1081.8	959.6	830.8
-25°	1063.6	1129.0	1146.4	1126.3	1106.5	1070.7	1028.4	961.8	875.2	775.5	669.7
-27.5°	835.0	886.0	899.3	889.5	878.7	852.5	815.4	760.0	686.6	604.9	523.3
-30°	653.6	689.3	692.9	683.2	674.5	649.1	615.5	569.5	513.5	454.5	397.8
-32.5°	492.1	512.5	509.7	496.2	485.9	464.2	439.8	409.5	374.2	337.7	303.0
-35°	365.3	374.6	368.3	354.2	345.5	330.9	316.4	300.0	282.3	264.1	246.4
-37.5°	282.2	284.6	280.0	271.2	266.8	260.0	252.9	245.1	236.2	227.2	217.6
-40°	234.9	236.5	235.3	232.1	230.6	228.0	224.2	218.9	212.2	205.4	198.1
-42.5°	208.0	209.8	210.4	209.8	210.0	209.5	207.5	201.8	194.7	187.6	180.9
-45°	186.7	189.5	191.6	192.8	194.3	195.3	194.6	187.8	179.9	172.0	166.3
-47.5°	168.6	171.7	174.3	176.2	177.9	178.8	178.7	172.0	165.0	157.8	152.6
-50°	152.8	155.9	158.4	160.4	161.9	162.9	163.4	158.2	152.1	145.6	140.1
-52.5°	138.2	141.7	144.8	147.3	148.9	150.1	150.9	146.7	141.1	135.1	129.5
-55°	124.9	129.6	133.7	137.5	139.0	140.2	141.2	137.6	132.0	125.7	119.3
-57.5°	111.9	117.6	122.8	127.7	130.1	132.3	134.5	131.5	124.9	117.7	110.1
-60°	99.4	106.0	112.2	118.0	122.2	126.2	130.2	128.0	119.4	110.2	100.1
-62.5°	87.2	93.3	99.2	104.9	110.4	115.6	120.4	118.6	108.4	98.2	87.9
-65°	76.6	80.5	84.5	88.4	92.8	96.7	100.0	98.7	90.4	82.2	74.5
-67.5°	66.4	68.1	69.7	71.1	73.3	75.0	76.1	74.9	69.9	65.3	61.0
-70°	57.1	56.9	56.6	56.1	56.4	56.5	56.4	55.6	53.8	51.9	50.1
-72.5°	47.7	47.1	46.4	45.5	45.6	45.7	45.5	45.2	44.1	43.0	41.8
-75°	39.0	38.4	37.6	36.8	36.9	36.9	36.7	36.5	35.6	34.7	33.7
-77.5°	30.4	29.9	29.2	28.5	28.5	28.5	28.4	28.2	27.5	26.8	26.0
-80°	22.3	21.8	21.2	20.6	20.6	20.6	20.5	20.3	19.8	19.2	18.6
-82.5°	14.7	14.3	13.8	13.2	13.2	13.1	13.0	12.9	12.5	12.1	11.7
-85°	8.2	7.8	7.3	6.9	6.9	6.8	6.7	6.6	6.5	6.3	6.1
-87.5°	3.2	2.9	2.7	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	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
85°	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5
82.5°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6
80°	8.0	7.7	7.3	7.0	6.6	6.1	5.7	5.2	4.8	4.4	4.0
77.5°	16.5	15.9	15.2	14.5	13.7	12.8	12.0	11.1	10.3	9.4	8.6
75°	25.6	24.8	23.9	22.8	21.7	20.4	19.2	18.0	16.8	15.7	14.5
72.5°	35.0	33.9	32.7	31.4	29.9	28.2	26.6	24.9	23.5	22.0	20.6
70°	45.1	43.4	41.7	40.0	38.1	36.1	34.1	32.0	30.3	28.6	26.7
67.5°	57.4	55.0	52.3	49.5	46.9	44.4	41.9	39.3	37.2	35.1	33.0
65°	63.5	62.7	61.9	60.6	57.1	53.2	49.7	46.6	44.4	42.2	39.6
62.5°	71.4	69.3	67.3	65.4	64.2	62.4	59.1	55.3	52.4	49.3	46.3
60°	82.8	80.1	76.9	74.1	71.8	69.4	67.0	66.3	64.1	59.4	54.5
57.5°	93.2	90.6	87.9	85.7	83.2	79.8	76.1	77.8	77.8	74.6	67.8
55°	104.9	101.6	98.1	97.0	95.7	93.0	89.9	92.0	93.1	91.4	84.3
52.5°	117.7	113.8	110.0	108.4	106.7	105.0	105.0	106.6	108.0	108.3	99.6
50°	130.9	126.6	122.9	120.2	117.7	115.3	115.6	117.9	120.5	121.6	111.1
47.5°	144.7	140.2	135.5	131.5	128.3	125.7	124.3	125.0	128.1	127.7	119.5
45°	158.5	153.7	148.2	142.8	137.8	134.9	132.6	131.3	132.3	130.2	125.5
42.5°	172.5	167.1	161.4	155.0	148.5	144.6	141.0	138.0	135.1	131.6	128.6
40°	189.0	182.3	175.1	168.1	161.9	156.1	150.6	146.0	139.2	134.2	130.4
37.5°	207.4	198.8	190.7	182.5	176.1	169.0	162.1	153.3	145.0	137.9	132.7
35°	230.0	217.7	206.8	197.8	190.6	183.2	173.4	161.9	151.5	142.7	135.7
32.5°	267.1	242.3	225.2	212.9	203.6	196.1	184.1	170.6	158.6	148.4	138.3
30°	332.4	287.7	251.1	229.2	216.0	204.9	192.9	179.8	166.3	153.4	141.9
27.5°	425.5	355.0	295.2	253.3	229.3	213.9	200.6	187.5	172.9	158.3	145.7
25°	540.7	447.8	359.2	291.5	249.8	225.5	208.6	193.7	178.1	163.0	149.4
22.5°	662.8	556.0	446.3	349.0	280.5	241.5	217.3	198.8	182.4	167.0	152.6
20°	799.8	669.7	549.3	426.5	325.3	260.8	226.9	204.3	186.4	169.8	156.1
17.5°	946.6	794.9	653.5	515.9	376.8	284.0	238.2	210.3	190.3	173.8	159.7
15°	1107.0	927.1	752.0	590.6	430.5	310.2	250.3	217.4	195.3	177.7	162.8
12.5°	1273.5	1048.1	834.4	653.3	484.8	339.9	263.4	224.8	199.8	181.3	165.3
10°	1416.3	1150.9	911.6	706.4	534.9	369.2	276.2	231.7	203.5	184.0	167.2
7.5°	1539.9	1240.7	979.5	749.7	573.8	393.7	286.3	237.5	206.6	186.4	169.0
5°	1632.8	1312.0	1030.0	781.0	600.6	417.2	296.5	242.4	209.3	188.1	170.4
2.5°	1692.1	1354.8	1061.4	800.8	616.2	434.5	304.1	245.0	210.8	189.0	171.1
0°	1710.9	1368.7	1069.5	803.0	619.2	439.9	306.9	245.2	210.9	188.9	171.0
-2.5°	1685.3	1344.8	1053.1	792.2	612.8	440.5	308.6	244.8	210.9	189.2	171.5
-5°	1636.0	1297.9	1012.6	763.9	594.8	430.8	304.2	242.0	209.6	188.6	171.4
-7.5°	1559.2	1242.6	968.1	737.8	571.3	414.6	294.8	236.8	207.1	187.2	170.6
-10°	1436.6	1159.9	906.5	699.3	540.1	393.6	284.9	231.9	204.6	185.7	169.2
-12.5°	1299.3	1058.9	833.1	649.5	500.7	366.3	271.2	226.1	202.5	185.3	169.2
-15°	1148.7	945.2	751.2	592.5	456.2	334.9	255.9	219.9	200.3	184.4	168.3
-17.5°	997.6	818.7	659.1	530.6	407.9	303.0	241.5	214.0	198.0	182.9	166.7
-20°	845.5	695.6	567.8	456.6	355.7	272.7	228.3	207.4	193.5	180.0	164.6

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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°	700.5	581.0	478.0	382.4	301.7	245.3	217.4	200.9	187.4	173.6	160.7
-25°	566.7	473.6	389.8	318.0	258.6	224.9	207.1	193.7	180.3	167.0	154.9
-27.5°	445.9	376.5	316.0	264.4	229.2	210.0	196.4	184.6	172.2	160.1	148.9
-30°	345.7	300.2	258.8	229.3	210.8	196.8	185.1	173.9	163.5	152.8	143.1
-32.5°	272.6	245.8	225.0	210.0	196.5	183.6	172.8	163.3	154.0	145.4	137.2
-35°	230.7	217.5	206.2	194.8	182.9	171.2	161.2	152.7	144.6	137.4	131.3
-37.5°	208.2	199.1	189.7	179.6	169.3	159.9	150.3	142.3	135.4	129.3	124.5
-40°	189.7	181.7	173.4	165.5	157.2	148.5	139.8	131.9	125.9	120.8	117.0
-42.5°	173.3	166.5	160.2	152.8	144.4	136.4	129.1	122.1	115.9	112.0	109.0
-45°	160.2	153.7	146.9	139.4	131.4	124.8	118.5	112.1	105.8	102.8	100.1
-47.5°	146.8	140.1	133.6	127.1	120.1	113.4	108.0	102.6	97.2	93.1	91.0
-50°	134.5	128.2	121.9	115.8	109.3	103.1	98.6	94.0	89.0	83.7	82.4
-52.5°	123.7	117.1	110.2	104.8	99.4	94.4	90.0	85.9	81.4	76.7	74.4
-55°	113.2	106.5	99.4	94.5	90.2	86.1	82.3	78.5	74.6	70.5	67.0
-57.5°	103.8	96.9	89.6	84.7	81.4	78.2	75.2	71.9	68.3	64.5	60.5
-60°	93.5	86.9	80.4	75.6	73.2	70.8	68.4	65.5	62.3	58.6	54.4
-62.5°	81.7	76.4	71.5	67.5	65.7	63.8	62.0	59.5	55.9	52.1	48.5
-65°	69.6	66.1	63.0	60.3	58.8	56.9	54.7	52.2	49.2	46.2	43.1
-67.5°	58.2	56.3	54.4	52.6	51.0	49.3	47.5	45.6	43.0	40.3	37.5
-70°	48.6	47.5	46.4	45.0	43.7	42.2	40.7	39.0	36.8	34.4	31.9
-72.5°	40.6	39.7	38.7	37.5	36.3	35.1	33.8	32.4	30.6	28.5	26.4
-75°	32.7	31.9	31.0	30.1	29.1	28.1	27.0	25.9	24.6	22.8	21.1
-77.5°	25.2	24.5	23.8	23.0	22.2	21.4	20.6	19.7	18.7	17.3	15.9
-80°	18.0	17.5	17.0	16.3	15.7	15.1	14.5	13.8	13.0	11.9	10.9
-82.5°	11.3	10.9	10.5	10.1	9.7	9.3	8.9	8.5	8.1	7.4	6.7
-85°	5.8	5.6	5.4	5.2	5.0	4.7	4.5	4.3	4.1	3.7	3.4
-87.5°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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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°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1
82.5°	1.5	1.4	1.4	1.4	1.3	1.2	1.0	0.9	0.7	0.5	0.4
80°	3.6	3.2	3.1	3.0	2.8	2.5	2.2	1.9	1.5	1.2	0.9
77.5°	7.8	7.0	6.4	5.8	5.3	4.7	4.0	3.4	2.8	2.2	1.7
75°	13.2	12.0	10.8	9.8	8.9	7.7	6.5	5.4	4.4	3.5	2.7
72.5°	19.0	17.4	15.8	14.3	12.8	11.2	9.5	7.9	6.5	5.1	4.0
70°	24.9	22.8	20.9	18.9	16.9	14.9	12.6	10.7	8.7	7.0	5.4
67.5°	30.8	28.4	25.9	23.5	21.2	18.6	16.0	13.5	11.2	9.0	7.1
65°	36.9	33.9	31.0	28.2	25.4	22.4	19.4	16.5	13.7	11.2	8.8
62.5°	43.2	39.7	36.2	32.9	29.5	26.2	22.8	19.5	16.3	13.4	10.5
60°	50.2	46.2	41.9	37.7	33.8	29.9	26.2	22.4	18.9	15.7	12.5
57.5°	59.7	53.9	48.5	43.2	38.2	33.8	29.6	25.5	21.5	18.0	14.4
55°	73.1	63.7	56.5	49.8	43.0	37.7	32.9	28.5	24.3	20.2	16.4
52.5°	86.8	75.4	65.8	56.8	48.2	41.7	36.3	31.4	26.9	22.4	18.3
50°	98.7	86.5	75.5	63.7	53.6	45.8	39.7	34.3	29.5	24.8	20.1
47.5°	108.1	95.8	83.5	70.1	58.6	49.8	43.0	37.4	32.1	27.0	22.0
45°	116.0	103.6	89.4	75.4	63.2	53.4	46.1	40.3	34.6	29.2	23.8
42.5°	122.3	110.1	94.1	79.8	67.0	56.6	49.1	43.2	37.2	31.2	25.6
40°	126.2	114.5	98.1	83.1	69.9	59.1	52.1	45.9	39.6	33.4	27.3
37.5°	127.2	117.0	101.7	85.8	72.2	61.9	54.9	48.5	41.9	35.4	29.0
35°	127.7	118.4	104.6	88.0	73.8	65.1	57.8	50.9	44.2	37.3	30.6
32.5°	129.1	119.3	106.8	89.9	77.4	68.4	60.5	53.2	46.3	39.2	32.1
30°	131.5	120.8	108.6	93.4	81.0	71.5	62.9	55.3	48.2	40.9	33.5
27.5°	134.2	122.8	110.5	97.5	84.3	74.4	65.3	57.4	50.1	42.4	34.7
25°	137.0	125.3	113.1	100.7	87.5	76.9	67.6	59.4	51.7	43.8	35.9
22.5°	140.0	127.8	115.5	103.1	90.1	79.0	69.7	61.1	53.0	45.0	36.9
20°	143.2	130.2	117.5	104.9	92.2	81.0	71.6	62.5	54.1	46.0	37.8
17.5°	146.2	132.4	119.2	106.3	93.8	82.5	73.1	63.7	55.1	46.8	38.6
15°	148.8	134.5	120.5	107.4	95.2	84.1	74.4	64.7	56.0	47.6	39.3
12.5°	151.0	136.2	122.0	109.4	97.1	85.6	75.5	65.5	56.7	48.3	39.8
10°	153.0	138.4	124.2	111.3	98.6	86.9	76.4	66.2	57.3	48.8	40.3
7.5°	154.7	140.2	126.0	112.9	99.9	87.8	77.0	66.7	57.7	49.1	40.6
5°	155.8	141.5	127.3	114.1	100.9	88.5	77.4	67.0	57.9	49.4	40.8
2.5°	156.4	142.1	128.1	115.0	101.5	89.0	77.7	67.1	58.0	49.4	40.9
0°	156.3	142.2	128.4	115.4	101.8	89.1	77.7	67.0	57.9	49.4	40.9
-2.5°	156.7	142.6	129.2	116.5	103.1	90.4	78.7	67.6	58.0	49.3	40.8
-5°	156.6	142.4	129.6	117.3	104.0	91.5	79.5	67.9	58.0	49.1	40.6
-7.5°	155.8	141.8	129.6	117.6	104.6	92.2	79.9	68.0	57.8	48.7	40.3
-10°	154.4	140.8	129.4	117.6	104.9	92.6	80.0	67.8	57.4	48.2	39.8
-12.5°	153.5	139.8	129.0	117.3	105.0	92.6	79.8	67.3	56.7	47.5	39.3
-15°	152.9	139.6	128.7	116.8	104.8	92.2	79.2	66.6	55.8	46.8	38.6
-17.5°	151.7	139.1	128.2	116.6	105.0	91.5	78.2	65.6	54.7	45.8	37.8
-20°	150.1	138.2	127.4	116.5	105.7	92.3	76.8	64.2	53.5	44.8	36.9

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	148.1	136.9	126.5	116.6	106.5	93.0	77.0	62.6	52.1	43.6	35.9
-25°	144.5	135.3	125.8	117.0	107.2	93.1	76.4	61.4	50.5	42.3	34.8
-27.5°	139.8	132.0	125.5	117.8	107.7	92.6	75.0	59.6	49.0	41.0	33.7
-30°	134.9	128.2	123.5	118.9	107.8	91.0	72.7	57.3	47.5	39.6	32.4
-32.5°	130.0	124.3	120.3	117.5	106.7	88.2	69.3	54.8	45.8	38.2	31.0
-35°	125.3	120.2	116.4	112.3	103.8	84.1	65.0	52.3	44.0	36.7	29.7
-37.5°	120.3	115.4	111.1	105.6	95.4	78.4	60.3	49.8	42.1	35.1	28.3
-40°	114.0	109.3	104.4	97.8	86.6	70.9	56.0	47.3	40.1	33.4	26.9
-42.5°	105.8	101.7	96.8	89.3	77.7	63.3	52.4	44.8	38.0	31.6	25.4
-45°	97.1	93.6	88.7	80.8	69.1	57.2	49.1	42.2	35.8	29.7	23.8
-47.5°	88.6	85.5	80.7	72.3	61.5	52.3	45.6	39.6	33.6	27.7	22.1
-50°	80.5	77.4	72.8	64.4	55.2	48.0	42.3	36.8	31.2	25.6	20.4
-52.5°	72.7	69.5	64.5	57.1	49.7	44.0	38.9	34.0	28.7	23.5	18.7
-55°	65.2	61.6	56.4	50.5	44.9	40.1	35.6	30.9	26.1	21.4	17.0
-57.5°	57.8	54.0	49.5	45.0	40.6	36.4	32.2	27.9	23.6	19.2	15.2
-60°	51.1	47.6	44.0	40.2	36.4	32.7	28.8	24.9	20.9	17.1	13.3
-62.5°	45.4	42.3	39.0	35.7	32.4	29.0	25.5	21.9	18.3	14.8	11.4
-65°	40.0	37.1	34.3	31.3	28.4	25.3	22.1	18.9	15.8	12.6	9.7
-67.5°	34.6	32.1	29.6	27.0	24.5	21.7	18.8	16.1	13.2	10.5	8.1
-70°	29.4	27.2	25.0	22.8	20.5	18.1	15.7	13.1	10.7	8.5	6.5
-72.5°	24.3	22.3	20.5	18.6	16.7	14.7	12.5	10.4	8.4	6.6	5.1
-75°	19.3	17.7	16.1	14.6	12.9	11.3	9.6	7.9	6.4	4.9	3.8
-77.5°	14.5	13.1	11.8	10.7	9.5	8.3	6.9	5.7	4.5	3.5	2.6
-80°	9.9	9.0	8.1	7.3	6.4	5.6	4.7	3.8	3.0	2.3	1.6
-82.5°	6.1	5.4	4.9	4.4	3.9	3.4	2.8	2.2	1.7	1.2	0.9
-85°	3.1	2.7	2.4	2.2	1.9	1.7	1.4	1.0	0.8	0.5	0.4
-87.5°	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.2
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-4H4V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	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	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.3	0.2	0.1	0.1	0.1	0.1	0.1
80°	0.7	0.5	0.2	0.1	0.1	0.1	0.1
77.5°	1.2	0.8	0.5	0.2	0.1	0.1	0.1
75°	2.0	1.4	0.8	0.4	0.1	0.1	0.1
72.5°	3.0	2.0	1.2	0.6	0.2	0.1	0.1
70°	4.0	2.8	1.7	0.8	0.3	0.1	0.1
67.5°	5.3	3.7	2.3	1.2	0.4	0.1	0.1
65°	6.6	4.7	2.9	1.5	0.5	0.1	0.1
62.5°	8.0	5.7	3.6	1.8	0.7	0.1	0.1
60°	9.5	6.8	4.3	2.2	0.9	0.1	0.1
57.5°	10.9	7.9	5.0	2.6	1.1	0.2	0.1
55°	12.5	9.0	5.8	3.1	1.2	0.2	0.1
52.5°	14.1	10.2	6.5	3.6	1.4	0.2	0.1
50°	15.7	11.2	7.3	4.0	1.6	0.2	0.1
47.5°	17.2	12.4	8.1	4.5	1.8	0.3	0.1
45°	18.7	13.6	8.8	4.9	2.0	0.3	0.1
42.5°	20.2	14.7	9.6	5.4	2.3	0.4	0.1
40°	21.5	15.8	10.3	5.9	2.5	0.4	0.1
37.5°	22.8	16.8	11.0	6.3	2.7	0.5	0.1
35°	24.0	17.7	11.7	6.7	2.9	0.5	0.1
32.5°	25.2	18.6	12.3	7.1	3.1	0.6	0.1
30°	26.3	19.5	13.0	7.5	3.3	0.6	0.1
27.5°	27.3	20.2	13.6	7.8	3.4	0.7	0.1
25°	28.2	21.0	14.2	8.2	3.6	0.7	0.1
22.5°	29.0	21.7	14.7	8.5	3.8	0.8	0.1
20°	29.8	22.3	15.2	8.7	3.9	0.8	0.1
17.5°	30.5	22.8	15.6	9.0	4.0	0.9	0.1
15°	31.1	23.2	15.9	9.2	4.1	0.9	0.1
12.5°	31.6	23.6	16.2	9.4	4.2	0.9	0.1
10°	32.0	24.0	16.4	9.5	4.3	0.9	0.1
7.5°	32.3	24.2	16.6	9.7	4.3	1.0	0.1
5°	32.5	24.4	16.7	9.7	4.4	1.0	0.1
2.5°	32.6	24.5	16.8	9.8	4.4	1.0	0.1
0°	32.6	24.5	16.8	9.8	4.4	1.0	0.1
-2.5°	32.5	24.4	16.8	9.8	4.4	1.0	0.1
-5°	32.3	24.3	16.7	9.7	4.4	1.0	0.1
-7.5°	32.1	24.1	16.5	9.6	4.3	1.0	0.1
-10°	31.7	23.8	16.4	9.5	4.3	1.0	0.1
-12.5°	31.2	23.4	16.1	9.4	4.2	0.9	0.1
-15°	30.7	23.0	15.8	9.2	4.1	0.9	0.1
-17.5°	30.0	22.5	15.5	9.0	4.0	0.9	0.1
-20°	29.3	21.9	15.0	8.7	3.9	0.9	0.1



REPORT NUMBER: P1217526 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.5	21.3	14.6	8.4	3.8	0.8	0.1
-25°	27.6	20.6	14.0	8.1	3.7	0.8	0.1
-27.5°	26.6	19.8	13.4	7.8	3.5	0.7	0.1
-30°	25.6	19.0	12.8	7.5	3.3	0.7	0.1
-32.5°	24.4	18.2	12.2	7.1	3.1	0.6	0.1
-35°	23.3	17.3	11.5	6.7	3.0	0.6	0.1
-37.5°	22.1	16.4	10.8	6.3	2.8	0.5	0.1
-40°	20.8	15.4	10.2	5.9	2.6	0.5	0.1
-42.5°	19.5	14.4	9.5	5.4	2.4	0.4	0.1
-45°	18.3	13.3	8.7	5.0	2.1	0.4	0.1
-47.5°	17.0	12.1	8.0	4.6	2.0	0.3	0.1
-50°	15.7	11.0	7.3	4.1	1.8	0.3	0.1
-52.5°	14.2	10.0	6.5	3.7	1.5	0.2	0.1
-55°	12.7	8.9	5.8	3.3	1.4	0.2	0.1
-57.5°	11.2	7.9	5.1	2.8	1.2	0.2	0.1
-60°	9.9	6.9	4.5	2.4	1.0	0.2	0.1
-62.5°	8.5	5.9	3.8	2.0	0.8	0.1	0.1
-65°	7.2	5.0	3.1	1.7	0.6	0.1	0.1
-67.5°	5.9	4.1	2.5	1.4	0.5	0.1	0.1
-70°	4.8	3.2	2.0	1.1	0.4	0.1	0.1
-72.5°	3.7	2.5	1.5	0.8	0.2	0.1	0.1
-75°	2.7	1.8	1.1	0.5	0.2	0.1	0.1
-77.5°	1.9	1.2	0.7	0.3	0.1	0.1	0.1
-80°	1.1	0.7	0.4	0.2	0.1	0.1	0.1
-82.5°	0.6	0.4	0.2	0.1	0.1	0.1	0.1
-85°	0.3	0.2	0.1	0.1	0.1	0.1	0.1
-87.5°	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	0.1

(END OF REPORT)