

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: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BZ-4000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217535 (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-BZ-4000K-5H5V
Description: 15W Tracer Floodlight , NEMA 5H5V , Bronze Finish
Light Source: 80 CRI,4000K
Ballast/Driver: -

Summary

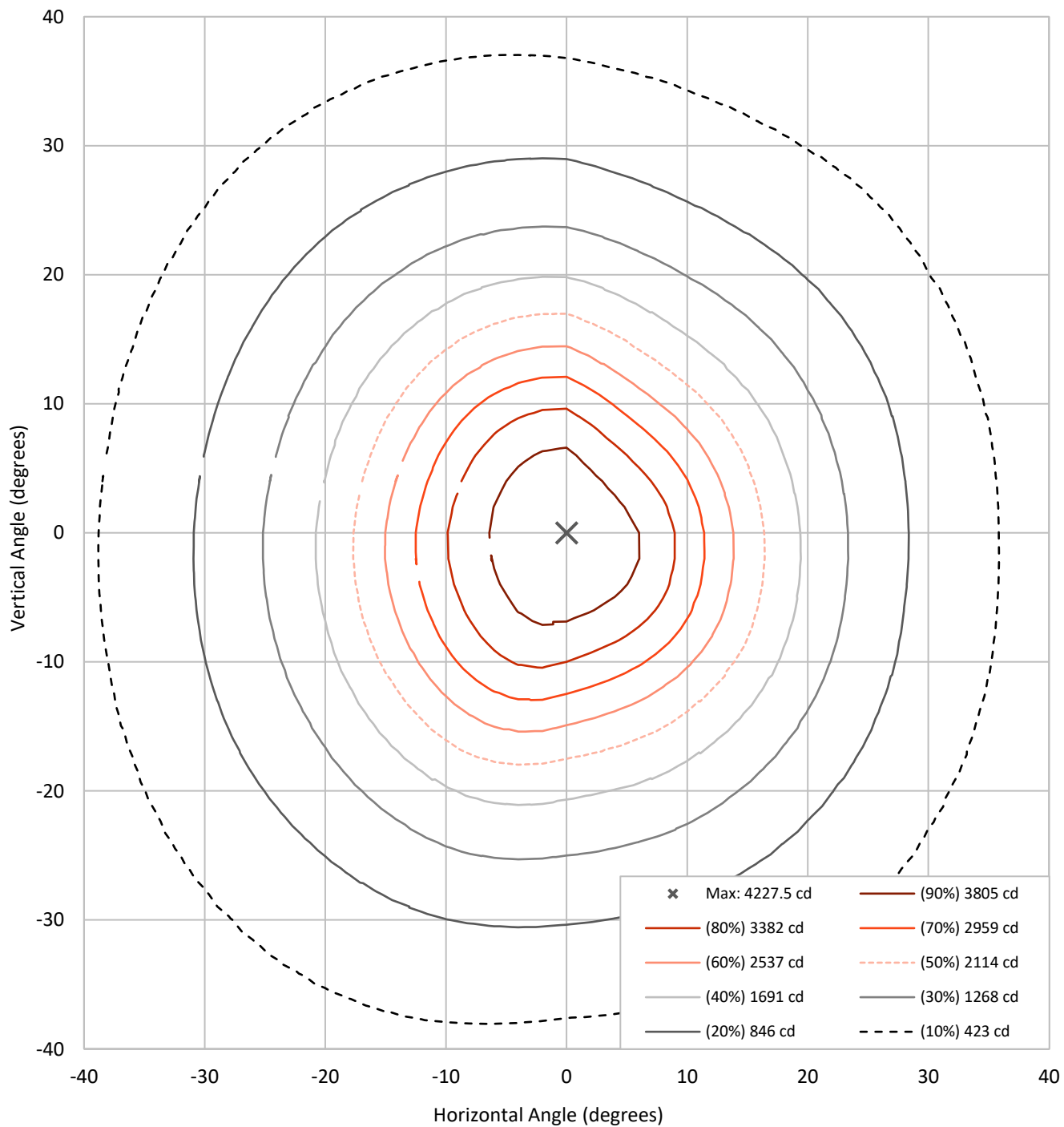
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	2382.4 lumens	Max Intensity:	4227.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.7 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	34°H x 34.4°V	Field Angle (10%):	74.6°H x 74.2°V
Beam Lumens:	836.5 lumens	Field Lumens:	1861.7 lumens
Beam Efficiency:	35.1%	Field Efficiency:	78.1%

Input Watts (W): 15.4
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



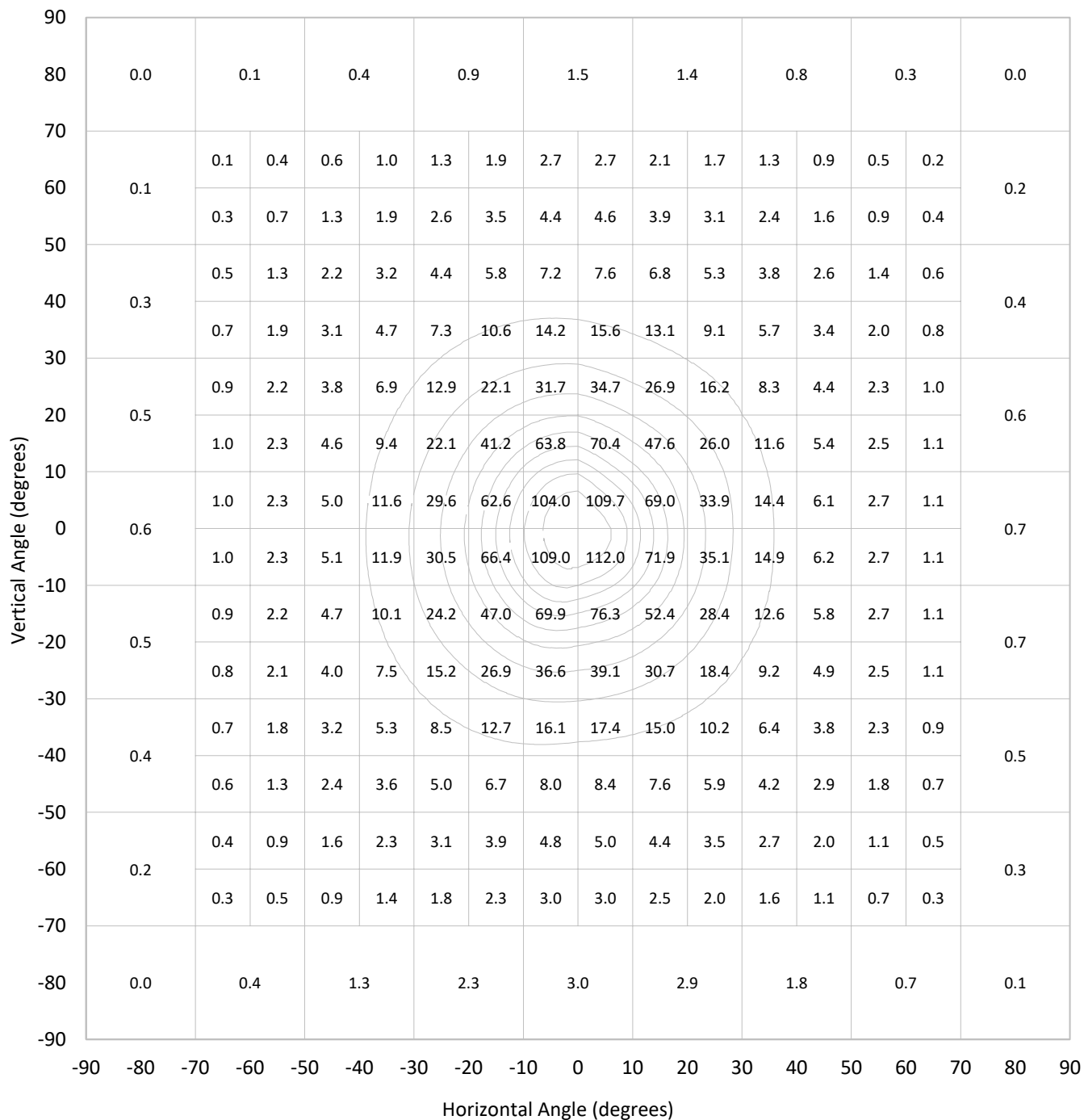
REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

Iso-Candela Plot



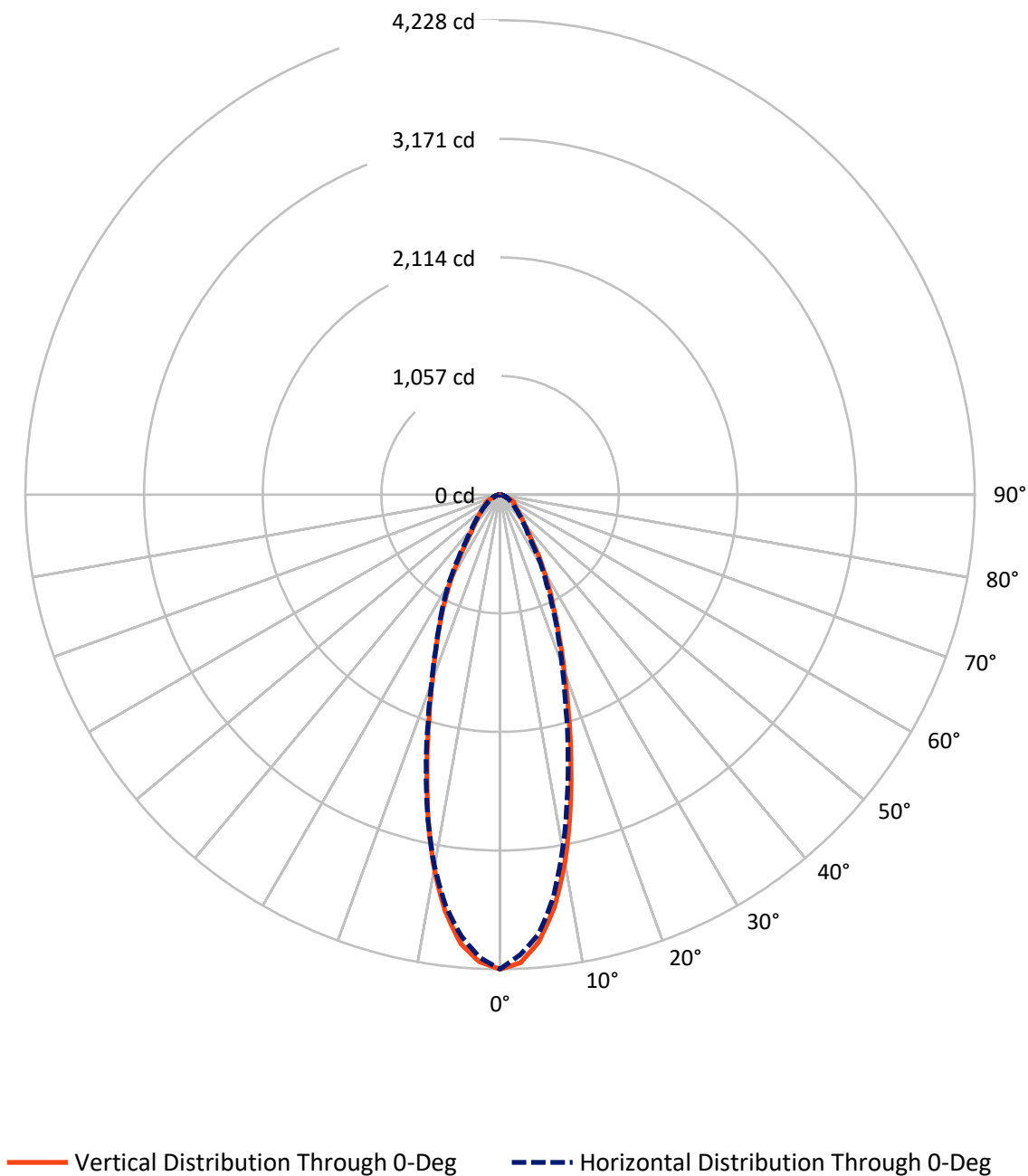
REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

Lumen Table



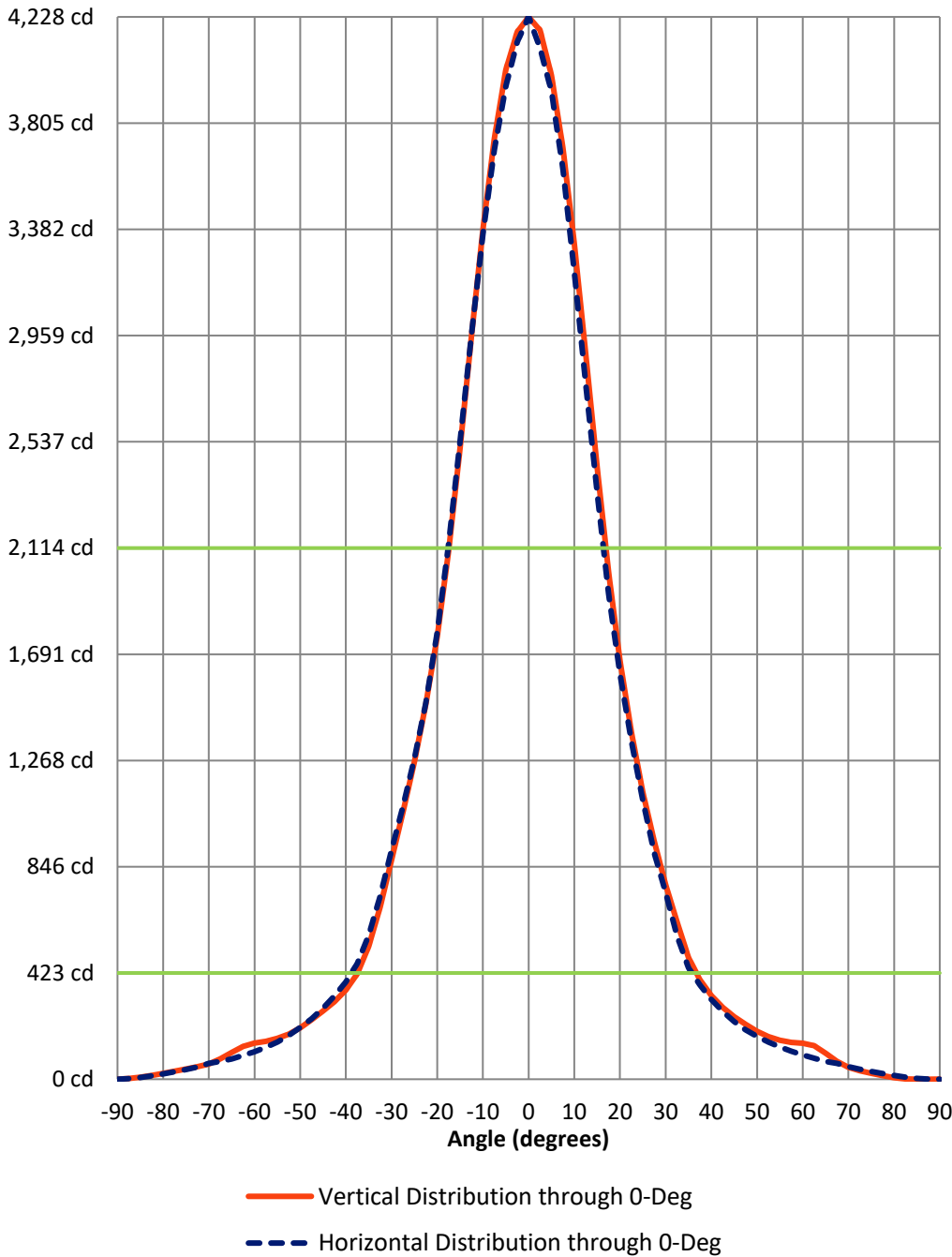
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CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 34°
V Angle: 34.4°
Lumens: 836.5
Efficiency: 35.1%

Field:
H Angle: 74.6°
V Angle: 74.2°
Lumens: 1861.7
Efficiency: 78.1%

Spill:
Lumens: 520.7
Efficiency: 21.9%

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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°	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
82.5°	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.6	0.7
80°	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.5
77.5°	0.2	0.3	0.6	0.8	1.0	1.3	1.6	1.8	2.1	2.5	2.9
75°	0.2	0.4	0.7	1.1	1.4	1.9	2.4	2.8	3.4	4.2	5.2
72.5°	0.2	0.5	0.9	1.4	2.0	2.6	3.3	4.1	5.2	6.4	7.6
70°	0.2	0.5	1.1	1.7	2.5	3.4	4.4	5.8	7.2	8.6	10.2
67.5°	0.2	0.6	1.3	2.1	3.1	4.2	5.8	7.5	9.2	11.0	13.3
65°	0.2	0.7	1.5	2.6	3.7	5.3	7.2	9.3	11.3	13.8	16.5
62.5°	0.2	0.8	1.7	3.0	4.4	6.5	8.7	11.1	13.8	16.6	19.8
60°	0.2	0.8	1.9	3.4	5.2	7.6	10.3	13.1	16.3	19.6	22.9
57.5°	0.2	0.9	2.2	3.9	6.1	8.8	11.8	15.2	18.8	22.4	26.3
55°	0.2	1.0	2.5	4.4	7.0	10.1	13.5	17.3	21.3	25.3	29.7
52.5°	0.2	1.1	2.8	4.8	7.9	11.4	15.3	19.5	23.7	28.3	33.0
50°	0.2	1.2	3.1	5.4	8.8	12.6	16.9	21.5	26.2	31.2	36.5
47.5°	0.2	1.3	3.3	6.0	9.7	13.9	18.6	23.6	28.7	34.1	40.2
45°	0.2	1.3	3.6	6.6	10.6	15.2	20.3	25.5	31.2	37.1	44.2
42.5°	0.2	1.4	3.9	7.2	11.6	16.5	21.9	27.6	33.6	40.2	48.4
40°	0.2	1.5	4.1	7.8	12.4	17.7	23.5	29.5	35.9	43.4	52.4
37.5°	0.2	1.6	4.4	8.3	13.3	18.9	25.0	31.4	38.2	46.6	56.5
35°	0.2	1.6	4.6	8.8	14.1	20.1	26.5	33.2	40.6	49.8	60.7
32.5°	0.2	1.7	4.8	9.4	15.0	21.3	27.9	35.0	43.0	53.0	64.7
30°	0.2	1.8	5.1	9.8	15.8	22.3	29.3	36.6	45.3	56.1	67.8
27.5°	0.2	1.9	5.3	10.4	16.5	23.3	30.5	38.2	47.6	59.3	70.1
25°	0.2	2.0	5.5	10.8	17.2	24.2	31.7	39.8	49.7	62.3	72.4
22.5°	0.2	2.0	5.7	11.3	17.8	25.1	32.8	41.3	51.8	64.8	74.0
20°	0.2	2.1	5.9	11.7	18.4	25.9	33.9	42.7	53.8	66.7	75.7
17.5°	0.2	2.2	6.1	12.1	18.9	26.7	34.9	43.9	55.6	67.9	77.1
15°	0.2	2.2	6.3	12.4	19.5	27.4	35.7	45.0	57.3	68.9	78.3
12.5°	0.2	2.3	6.4	12.7	19.9	28.0	36.5	46.0	58.9	69.6	79.3
10°	0.2	2.3	6.6	13.0	20.3	28.5	37.1	46.8	60.2	70.2	80.1
7.5°	0.2	2.3	6.7	13.2	20.7	28.9	37.7	47.5	61.3	70.7	80.7
5°	0.2	2.4	6.8	13.4	20.9	29.3	38.1	48.1	62.1	71.0	81.0
2.5°	0.2	2.4	6.8	13.5	21.1	29.6	38.5	48.5	62.7	71.1	81.0
0°	0.2	2.4	6.9	13.6	21.3	29.8	38.7	48.7	63.1	71.1	80.7
-2.5°	0.2	2.4	6.9	13.6	21.4	29.9	38.8	48.8	63.3	71.9	82.3
-5°	0.2	2.4	6.9	13.6	21.4	29.9	38.8	48.7	63.2	72.5	83.6
-7.5°	0.2	2.4	6.9	13.6	21.3	29.8	38.7	48.5	62.8	72.8	84.6
-10°	0.2	2.4	6.9	13.5	21.1	29.6	38.5	48.2	62.3	72.9	85.1
-12.5°	0.2	2.4	6.8	13.4	20.9	29.3	38.2	47.6	61.5	72.8	85.3
-15°	0.2	2.3	6.7	13.2	20.7	29.0	37.7	47.0	60.4	72.3	85.1
-17.5°	0.2	2.3	6.6	13.0	20.3	28.5	37.2	46.3	59.0	71.5	84.6
-20°	0.2	2.3	6.5	12.8	20.0	28.1	36.5	45.5	57.4	70.7	83.6



REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.2	2.2	6.3	12.5	19.6	27.5	35.8	44.5	55.6	69.2	82.2
-25°	0.2	2.2	6.2	12.2	19.1	26.8	34.9	43.5	53.6	67.5	80.6
-27.5°	0.2	2.1	6.0	11.8	18.6	26.1	34.0	42.3	51.6	65.4	78.4
-30°	0.2	2.0	5.9	11.4	18.0	25.3	33.0	41.1	49.7	62.7	75.6
-32.5°	0.2	2.0	5.7	10.9	17.4	24.4	32.0	39.8	47.8	59.5	72.6
-35°	0.2	1.9	5.5	10.5	16.7	23.5	30.8	38.4	46.0	56.0	68.9
-37.5°	0.2	1.8	5.2	10.0	16.0	22.5	29.5	36.8	44.2	52.6	65.2
-40°	0.2	1.7	5.0	9.5	15.2	21.5	28.2	35.1	42.2	49.6	60.9
-42.5°	0.2	1.7	4.8	9.0	14.4	20.3	26.8	33.4	40.2	47.1	56.3
-45°	0.2	1.6	4.5	8.4	13.6	19.2	25.3	31.6	38.1	44.6	51.8
-47.5°	0.2	1.5	4.3	7.9	12.7	18.1	23.8	29.8	35.9	42.1	48.5
-50°	0.2	1.4	4.0	7.4	11.8	16.9	22.2	27.9	33.7	39.6	45.4
-52.5°	0.2	1.3	3.8	6.8	10.9	15.6	20.5	25.8	31.3	36.9	42.4
-55°	0.2	1.3	3.5	6.3	10.0	14.4	18.9	23.8	28.9	34.1	39.2
-57.5°	0.2	1.2	3.2	5.8	9.1	13.1	17.4	21.8	26.5	31.3	36.0
-60°	0.2	1.1	2.8	5.3	8.2	11.8	15.6	19.7	24.0	28.5	32.7
-62.5°	0.2	1.0	2.5	4.8	7.4	10.5	14.0	17.7	21.5	25.5	29.4
-65°	0.2	0.9	2.2	4.3	6.5	9.2	12.3	15.7	19.1	22.6	26.1
-67.5°	0.2	0.8	2.0	3.7	5.7	8.0	10.7	13.6	16.7	19.7	22.8
-70°	0.2	0.7	1.7	3.2	5.0	6.9	9.1	11.6	14.3	17.0	19.6
-72.5°	0.2	0.6	1.5	2.7	4.2	5.9	7.7	9.7	11.9	14.2	16.5
-75°	0.2	0.6	1.3	2.2	3.5	4.9	6.4	8.0	9.7	11.6	13.4
-77.5°	0.2	0.5	1.0	1.8	2.8	3.9	5.2	6.4	7.8	9.1	10.6
-80°	0.2	0.4	0.8	1.4	2.1	2.9	3.9	5.0	6.1	7.1	8.1
-82.5°	0.2	0.4	0.7	1.1	1.6	2.1	2.7	3.5	4.3	5.1	5.9
-85°	0.2	0.3	0.5	0.8	1.1	1.4	1.8	2.2	2.7	3.2	3.7
-87.5°	0.2	0.3	0.4	0.5	0.7	0.9	1.1	1.4	1.6	1.9	2.1
-90°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
82.5°	0.7	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
80°	1.7	1.8	2.1	2.4	2.7	3.2	3.7	4.1	4.5	4.9	5.3
77.5°	3.5	4.1	4.9	5.6	6.4	7.1	7.8	8.5	9.2	9.9	10.6
75°	6.1	7.1	8.1	9.2	10.3	11.5	12.7	13.7	14.9	15.9	17.0
72.5°	8.9	10.2	11.8	13.4	14.9	16.6	18.2	19.7	21.3	22.9	24.4
70°	12.0	14.0	15.9	18.0	20.0	22.0	24.2	26.4	28.3	30.1	32.0
67.5°	15.6	17.9	20.3	22.7	25.4	28.0	30.4	32.8	35.5	38.2	40.6
65°	19.2	21.9	24.8	27.9	30.8	33.8	37.0	40.3	43.3	46.2	49.0
62.5°	22.8	26.1	29.5	32.8	36.5	40.5	44.2	47.8	51.5	55.4	59.1
60°	26.7	30.4	34.1	38.4	43.0	47.5	51.8	56.5	61.3	65.4	68.7
57.5°	30.4	34.6	39.4	44.6	49.7	55.1	60.9	66.3	70.9	74.8	78.5
55°	34.2	39.4	45.3	51.0	57.2	63.9	70.1	75.4	80.5	86.0	91.5
52.5°	38.3	44.7	51.1	58.0	65.6	72.7	78.8	85.7	93.0	100.7	107.5
50°	42.9	50.0	57.5	65.7	73.9	81.0	89.4	98.4	108.3	115.5	120.8
47.5°	47.8	55.5	64.4	73.2	81.6	91.3	101.8	113.0	121.4	127.4	132.7
45°	52.5	61.6	71.0	79.9	90.7	102.9	115.5	125.0	131.6	138.0	144.4
42.5°	57.4	67.5	76.9	87.8	100.6	115.5	126.8	134.1	140.8	148.3	156.5
40°	62.6	73.1	83.3	96.1	111.4	125.8	135.1	142.1	149.8	158.8	169.8
37.5°	67.3	77.6	90.3	105.1	121.2	133.0	141.6	149.9	159.0	170.7	185.6
35°	71.3	82.4	97.4	114.2	128.9	138.5	147.6	157.5	169.3	185.1	204.0
32.5°	74.6	87.1	103.9	122.2	134.3	143.7	153.6	165.6	181.6	201.4	224.1
30°	77.7	91.8	109.9	127.6	138.7	148.7	160.2	175.5	195.5	219.0	245.1
27.5°	80.8	96.1	114.8	130.6	142.6	153.6	167.4	186.7	210.3	237.1	266.8
25°	83.7	100.3	118.7	132.9	145.5	158.8	176.0	198.6	225.3	255.0	289.0
22.5°	86.5	103.9	121.3	135.0	148.6	164.0	185.1	210.7	240.2	273.5	311.2
20°	89.0	106.5	123.0	137.3	151.9	170.1	194.2	222.5	254.5	291.6	333.1
17.5°	91.2	108.7	124.4	139.3	155.4	176.7	203.2	233.8	268.9	308.5	354.0
15°	93.1	110.2	125.6	141.2	158.9	183.0	211.6	244.2	282.4	325.5	375.1
12.5°	94.6	111.2	126.7	143.1	162.7	188.8	219.1	253.8	294.7	340.7	396.0
10°	95.5	111.7	127.6	144.9	166.4	194.3	225.8	262.6	305.6	354.4	415.5
7.5°	96.0	111.7	128.2	146.4	169.7	198.8	231.6	270.2	315.4	366.5	432.3
5°	96.0	111.3	128.3	147.5	172.2	202.4	236.0	276.4	323.2	376.4	446.5
2.5°	95.6	110.6	128.1	148.1	173.9	204.8	239.1	280.6	328.6	383.5	456.2
0°	94.9	109.5	127.3	148.0	174.6	206.1	240.7	283.0	331.7	387.6	461.1
-2.5°	97.1	111.7	129.0	149.4	175.9	207.5	242.5	284.4	332.5	388.0	462.5
-5°	98.9	113.5	130.1	150.2	176.3	207.7	242.8	283.9	331.0	385.2	458.6
-7.5°	100.4	115.0	130.8	150.3	175.7	206.7	241.5	281.7	327.3	379.4	449.4
-10°	101.5	116.1	131.2	149.8	174.3	204.5	238.9	277.9	321.5	370.7	436.5
-12.5°	102.2	117.0	131.3	148.8	172.0	201.2	234.9	272.3	313.5	359.7	419.9
-15°	102.4	117.6	131.3	147.5	169.3	196.8	229.4	265.6	304.4	347.2	400.5
-17.5°	102.1	117.9	131.4	146.2	166.1	191.8	222.7	257.8	294.3	334.0	380.5
-20°	101.2	118.3	131.6	144.8	162.8	186.2	214.9	248.8	283.2	319.0	360.3

REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	99.9	118.1	131.8	143.5	159.4	180.4	206.6	237.7	269.6	302.8	339.9
-25°	97.9	117.2	132.0	142.8	156.2	174.7	196.9	224.1	255.0	285.9	319.4
-27.5°	95.3	115.3	131.6	142.6	153.5	168.1	186.9	210.5	239.2	268.5	298.3
-30°	92.2	112.4	130.5	142.7	150.1	161.2	177.3	197.6	222.4	249.8	276.0
-32.5°	88.4	108.1	128.0	141.2	146.8	155.0	168.4	185.4	205.9	229.1	253.6
-35°	84.1	103.1	123.7	136.7	143.8	149.6	159.9	174.2	190.1	209.0	230.7
-37.5°	79.0	97.1	115.7	130.5	140.0	145.5	152.6	162.9	175.8	191.0	208.6
-40°	73.6	89.9	106.8	122.5	134.4	141.6	146.3	152.5	162.5	174.8	188.9
-42.5°	67.8	82.1	97.5	113.1	126.7	136.3	140.1	143.4	150.2	159.9	171.3
-45°	62.9	74.2	88.1	102.9	117.0	127.6	132.6	135.6	139.5	146.2	155.2
-47.5°	57.1	67.0	79.1	92.4	105.9	115.8	122.5	126.8	130.0	134.3	140.5
-50°	51.6	60.8	70.2	82.2	94.0	103.0	110.2	115.6	119.4	123.5	127.7
-52.5°	47.8	54.4	62.9	72.2	82.2	90.5	97.4	102.9	107.3	111.6	115.4
-55°	44.1	49.2	56.0	63.4	71.3	79.0	85.3	90.4	94.7	98.5	102.0
-57.5°	40.6	45.1	49.8	56.0	62.1	68.4	74.6	79.2	83.1	86.3	88.8
-60°	36.9	41.1	45.2	49.4	54.5	59.6	64.5	69.4	73.2	75.9	77.8
-62.5°	33.2	37.0	40.8	44.3	48.0	52.0	56.2	60.1	64.1	67.2	69.3
-65°	29.5	33.0	36.3	39.5	42.6	45.8	48.9	52.3	55.6	58.6	61.4
-67.5°	25.8	28.9	31.9	34.6	37.4	40.1	42.7	45.5	48.1	50.7	53.1
-70°	22.2	24.9	27.5	29.9	32.3	34.5	36.8	39.1	41.4	43.6	45.8
-72.5°	18.7	21.0	23.2	25.2	27.2	29.2	31.2	33.0	34.9	36.7	38.5
-75°	15.4	17.2	19.0	20.7	22.4	24.0	25.6	27.2	28.7	30.2	31.6
-77.5°	12.1	13.6	15.1	16.4	17.8	19.1	20.3	21.6	22.9	24.0	25.2
-80°	9.1	10.2	11.3	12.4	13.4	14.4	15.4	16.4	17.3	18.2	19.0
-82.5°	6.6	7.4	8.0	8.7	9.5	10.1	10.8	11.5	12.2	12.8	13.4
-85°	4.3	4.9	5.3	5.8	6.2	6.6	6.9	7.3	7.7	8.0	8.4
-87.5°	2.4	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3	4.5
-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: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4	1.3	1.1	1.0
87.5°	0.1	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	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
80°	5.6	5.9	6.2	6.4	6.6	6.8	6.9	6.9	6.9	6.8	6.7
77.5°	11.2	11.7	12.2	12.8	13.3	13.7	14.1	14.4	14.6	14.7	14.8
75°	18.0	18.9	19.8	20.7	21.5	22.1	22.7	23.2	23.5	23.8	24.0
72.5°	25.8	27.1	28.2	29.3	30.4	31.4	32.3	33.1	33.7	34.1	34.4
70°	33.9	35.8	37.6	39.3	40.7	41.9	43.0	44.0	44.9	45.7	46.3
67.5°	42.8	44.9	47.0	49.0	50.9	52.8	54.5	56.0	57.9	59.8	61.7
65°	52.0	54.9	57.3	59.1	61.1	63.3	65.3	67.9	71.8	76.0	80.3
62.5°	62.0	64.7	66.8	68.7	71.3	74.4	77.3	80.8	87.2	93.4	99.6
60°	71.6	74.2	76.9	79.3	82.8	87.1	90.9	94.2	101.1	107.4	113.1
57.5°	82.3	86.4	90.4	93.8	97.4	101.7	105.6	108.9	114.6	120.1	124.9
55°	97.1	102.2	106.0	109.3	112.6	117.3	121.4	124.9	129.6	134.4	138.7
52.5°	112.3	116.5	120.7	124.8	128.8	133.7	138.4	142.7	147.3	152.5	156.8
50°	125.5	130.4	135.6	140.8	146.1	152.0	158.3	164.2	169.8	175.1	179.6
47.5°	138.4	144.6	151.2	158.4	166.0	173.8	181.7	188.8	195.1	201.6	207.1
45°	151.6	159.7	168.8	178.6	188.9	198.7	208.5	217.7	226.4	234.4	240.7
42.5°	165.9	177.1	189.7	202.6	215.5	228.4	241.5	253.7	264.9	274.4	281.6
40°	182.9	197.9	213.8	230.2	246.9	264.0	280.6	296.1	309.2	320.9	329.5
37.5°	202.9	221.5	241.2	261.9	283.2	304.3	324.7	344.2	361.9	378.1	390.6
35°	225.1	247.5	271.5	297.2	322.9	349.8	377.4	404.8	432.0	456.8	476.1
32.5°	248.7	275.8	304.8	335.3	369.5	406.0	444.8	486.1	523.2	558.0	586.5
30°	273.8	305.7	340.2	380.0	425.1	476.1	529.7	586.2	638.3	685.9	724.6
27.5°	300.2	336.9	380.6	431.8	491.8	561.8	636.1	705.9	767.7	824.7	875.6
25°	326.6	370.8	425.2	492.1	573.6	664.4	749.9	829.0	908.2	982.6	1048.1
22.5°	353.9	407.3	475.8	562.2	667.7	767.0	865.1	965.2	1063.9	1159.1	1241.7
20°	382.5	447.1	532.0	643.7	757.9	871.7	988.5	1109.9	1230.5	1347.7	1458.7
17.5°	411.7	489.9	597.0	720.5	848.3	978.2	1115.5	1258.0	1406.6	1560.9	1716.4
15°	441.7	533.6	660.6	798.3	936.8	1082.3	1240.1	1410.4	1597.6	1803.4	2012.6
12.5°	472.6	581.4	719.4	869.9	1019.8	1181.7	1361.4	1565.0	1801.3	2062.6	2328.2
10°	501.4	627.0	777.3	934.1	1094.2	1273.7	1478.3	1717.8	2005.5	2321.9	2641.8
7.5°	526.8	664.6	826.4	990.6	1161.7	1355.1	1580.4	1862.0	2193.4	2557.4	2922.2
5°	549.7	695.4	866.4	1035.6	1215.5	1423.1	1671.8	1986.4	2354.1	2751.2	3142.4
2.5°	565.8	717.5	895.7	1067.7	1255.2	1472.0	1740.7	2079.1	2472.2	2889.2	3288.2
0°	573.6	728.5	912.0	1086.2	1276.8	1498.0	1779.9	2132.1	2540.2	2965.3	3362.9
-2.5°	576.1	731.7	914.3	1087.3	1276.4	1498.4	1781.9	2134.6	2540.5	2964.1	3354.4
-5°	570.2	723.9	903.3	1073.8	1256.8	1471.4	1744.6	2082.2	2466.9	2874.9	3256.4
-7.5°	556.3	706.0	877.9	1044.9	1217.8	1421.0	1673.3	1984.7	2338.8	2718.5	3086.2
-10°	536.4	678.4	840.5	1003.9	1165.9	1351.7	1576.6	1854.7	2171.5	2511.1	2848.2
-12.5°	510.4	640.8	792.9	950.0	1100.9	1269.4	1464.8	1701.9	1976.8	2267.1	2559.1
-15°	479.8	593.6	735.9	882.8	1025.8	1177.0	1347.2	1541.1	1765.3	2009.3	2245.3
-17.5°	447.9	545.5	674.9	809.3	941.5	1077.2	1226.0	1386.0	1561.8	1749.0	1938.8
-20°	415.9	497.5	606.8	729.2	848.0	970.0	1100.1	1238.3	1377.2	1518.6	1651.8

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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°	385.6	450.5	539.2	648.1	756.4	860.3	971.2	1088.3	1207.0	1320.1	1414.9
-25°	357.8	407.8	477.8	566.0	663.8	755.7	845.9	941.9	1039.6	1130.4	1210.3
-27.5°	331.4	371.2	423.0	490.8	569.7	653.8	732.6	807.3	884.4	953.4	1017.3
-30°	305.2	338.4	377.5	425.4	485.5	552.8	619.4	685.3	743.5	796.4	841.9
-32.5°	278.8	307.1	338.5	374.0	415.6	462.9	512.9	565.0	610.5	653.1	683.9
-35°	253.1	276.6	302.7	331.2	361.4	392.6	426.8	462.0	492.9	522.0	541.5
-37.5°	227.9	248.0	269.2	292.2	316.0	340.2	363.8	385.4	405.4	424.1	434.3
-40°	204.4	221.1	238.6	256.8	275.9	295.1	313.9	330.4	344.5	355.5	362.4
-42.5°	183.7	196.8	210.6	225.6	240.9	255.8	270.6	284.1	295.8	305.3	311.3
-45°	165.2	175.8	186.7	198.7	210.3	222.1	233.8	244.4	254.0	262.4	268.7
-47.5°	148.1	156.6	165.9	175.4	184.6	193.8	202.7	211.0	218.6	225.3	230.7
-50°	132.8	139.0	146.9	154.6	162.0	169.7	177.0	183.6	189.6	194.9	199.3
-52.5°	119.1	123.9	130.0	135.9	141.9	148.6	154.8	160.1	165.7	170.6	174.6
-55°	105.1	109.9	115.0	119.6	124.5	130.4	135.8	140.6	145.7	150.7	154.9
-57.5°	91.2	95.9	100.3	104.4	109.0	114.7	119.7	124.2	130.2	135.8	140.5
-60°	80.1	83.4	86.7	90.0	94.4	99.5	104.4	108.8	116.0	122.6	128.6
-62.5°	71.4	73.6	75.9	78.2	81.7	85.6	89.6	93.8	100.1	106.5	112.8
-65°	64.1	66.3	68.1	69.7	71.7	73.9	76.7	79.9	84.1	88.6	93.1
-67.5°	55.7	58.4	60.7	62.6	64.2	65.7	67.0	68.6	70.3	72.3	74.3
-70°	47.9	49.9	51.7	53.6	55.4	57.1	58.6	59.6	60.1	60.5	60.9
-72.5°	40.3	42.1	43.8	45.3	46.5	47.7	48.8	49.5	50.0	50.5	50.8
-75°	33.1	34.5	35.9	37.1	38.2	39.2	40.2	40.7	41.1	41.4	41.6
-77.5°	26.3	27.4	28.4	29.3	30.2	31.0	31.7	32.1	32.4	32.6	32.7
-80°	19.9	20.7	21.5	22.1	22.7	23.2	23.7	23.9	24.1	24.2	24.2
-82.5°	14.0	14.5	15.1	15.4	15.8	16.1	16.3	16.4	16.4	16.3	16.2
-85°	8.7	9.1	9.4	9.6	9.7	9.9	10.0	9.9	9.7	9.5	9.3
-87.5°	4.6	4.8	4.9	5.0	5.0	5.0	5.0	4.8	4.6	4.4	4.1
-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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.9	0.7	0.6	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3
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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	1.4	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
80°	6.6	6.5	6.3	6.1	5.6	5.0	4.4	3.8	3.4	2.9	2.5
77.5°	14.8	14.7	14.6	14.4	13.5	12.5	11.4	10.3	9.6	8.7	7.8
75°	24.0	24.0	23.9	23.6	22.6	21.4	20.2	18.8	17.8	16.7	15.5
72.5°	34.5	34.4	34.2	33.8	32.6	31.3	29.8	28.3	27.1	25.7	24.2
70°	46.8	47.2	47.4	47.4	45.8	44.0	42.0	39.9	38.2	36.2	34.2
67.5°	64.1	66.7	69.1	71.2	67.9	64.2	60.3	56.5	53.2	49.8	46.4
65°	85.9	92.2	98.2	103.7	96.9	89.7	82.2	75.3	69.4	63.7	58.4
62.5°	107.4	116.4	125.1	133.4	123.8	113.8	103.5	94.2	86.2	78.1	70.2
60°	120.0	128.1	135.8	143.2	134.4	125.3	115.9	107.5	99.8	91.6	82.9
57.5°	129.9	135.9	141.4	146.6	139.7	132.6	125.0	118.2	111.9	104.9	97.5
55°	142.7	147.4	151.5	155.1	149.7	143.8	137.5	131.7	125.8	119.2	112.8
52.5°	160.5	164.3	167.2	169.5	164.5	158.9	152.6	147.0	141.1	134.7	128.7
50°	183.2	186.7	189.2	190.8	185.2	178.8	171.6	165.3	158.7	151.5	145.3
47.5°	211.4	215.0	217.4	218.5	211.6	203.6	194.9	187.3	179.2	170.6	163.7
45°	245.3	248.3	249.4	248.8	241.0	231.9	221.7	212.6	202.5	192.3	183.7
42.5°	286.7	288.7	288.4	285.9	277.6	267.5	256.3	245.2	232.6	220.6	209.2
40°	335.3	337.8	336.9	332.9	323.7	312.0	299.0	285.6	270.4	256.2	241.8
37.5°	400.2	404.4	402.6	396.0	384.0	368.6	352.0	334.5	315.4	298.6	280.5
35°	488.5	494.7	493.1	484.6	467.2	444.2	420.5	395.9	370.9	348.0	324.5
32.5°	609.1	624.5	630.0	625.5	597.7	561.5	524.9	484.7	447.9	412.7	379.4
30°	753.9	773.3	779.6	774.0	739.7	695.1	651.0	599.6	551.9	502.3	455.9
27.5°	913.9	940.9	951.9	946.8	904.4	849.4	792.3	730.5	673.6	612.3	555.7
25°	1101.4	1135.5	1149.1	1142.2	1092.6	1029.0	958.5	885.0	812.2	739.2	670.6
22.5°	1310.7	1358.6	1383.6	1381.5	1319.4	1239.7	1149.1	1061.8	969.7	883.2	794.1
20°	1557.2	1629.9	1668.4	1666.3	1583.4	1479.2	1364.9	1257.4	1150.3	1042.0	932.8
17.5°	1854.5	1962.3	2018.1	2019.5	1898.8	1754.9	1613.0	1471.1	1339.6	1209.4	1081.0
15°	2201.0	2348.7	2430.4	2435.6	2273.8	2075.5	1887.0	1710.3	1550.6	1384.5	1228.9
12.5°	2574.0	2766.2	2875.6	2887.0	2686.5	2438.7	2203.0	1986.0	1775.3	1576.9	1378.3
10°	2937.8	3171.6	3306.2	3325.5	3101.3	2822.1	2556.6	2292.1	2023.1	1764.8	1531.4
7.5°	3255.9	3516.6	3673.8	3706.5	3470.4	3191.6	2913.8	2603.3	2275.3	1956.3	1669.7
5°	3494.6	3766.7	3942.5	3994.3	3768.4	3517.9	3236.0	2886.7	2504.4	2131.3	1791.9
2.5°	3637.7	3908.5	4098.0	4174.3	3974.9	3772.9	3482.8	3101.0	2678.7	2264.0	1884.5
0°	3698.5	3950.0	4126.8	4227.5	4103.1	3930.6	3622.9	3212.1	2766.9	2335.1	1932.8
-2.5°	3679.7	3923.7	4091.7	4167.2	4110.7	3934.1	3621.8	3213.1	2768.2	2339.7	1939.3
-5°	3578.4	3821.0	3992.3	4015.8	3915.7	3765.9	3488.1	3109.3	2688.2	2279.5	1898.5
-7.5°	3405.7	3649.9	3798.4	3743.6	3621.7	3465.5	3215.0	2886.4	2523.8	2151.7	1810.0
-10°	3150.0	3379.0	3475.9	3381.8	3253.7	3097.7	2873.8	2589.6	2285.8	1978.5	1689.5
-12.5°	2822.5	3012.5	3064.0	2958.8	2839.7	2697.0	2502.4	2275.1	2031.3	1778.6	1547.7
-15°	2454.4	2598.0	2614.4	2512.9	2414.3	2299.5	2149.3	1975.6	1778.3	1587.7	1389.5
-17.5°	2089.6	2180.2	2184.8	2104.5	2034.2	1948.3	1838.3	1702.8	1559.3	1397.5	1241.7
-20°	1764.5	1820.5	1818.8	1762.3	1715.8	1655.3	1578.4	1473.3	1355.5	1229.9	1096.2

REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1492.9	1526.3	1527.0	1493.0	1461.5	1412.4	1351.9	1270.9	1175.9	1067.6	951.4
-25°	1264.7	1290.4	1289.1	1263.7	1241.2	1202.7	1151.2	1083.2	1001.7	909.2	812.7
-27.5°	1058.7	1080.7	1081.3	1063.2	1043.4	1008.9	964.3	905.1	834.9	760.1	685.0
-30°	870.0	886.3	886.9	873.0	855.5	824.4	785.1	735.6	681.9	624.7	566.5
-32.5°	699.9	707.4	702.2	685.4	672.2	648.2	620.0	585.5	548.1	507.7	463.3
-35°	551.6	553.8	546.1	529.4	521.2	505.6	488.0	466.3	440.8	412.7	383.3
-37.5°	439.3	438.7	432.2	420.1	415.0	405.4	394.4	382.0	366.0	347.2	327.7
-40°	366.1	366.0	362.2	355.0	350.8	343.8	335.3	325.6	313.3	299.0	282.8
-42.5°	314.7	315.2	313.0	308.6	304.5	298.4	290.5	281.3	269.8	257.2	243.9
-45°	272.8	274.4	273.9	271.7	267.0	260.6	252.7	243.6	232.9	221.6	211.4
-47.5°	234.7	237.0	237.7	236.9	232.3	226.4	219.3	211.1	202.0	192.1	183.9
-50°	202.5	204.3	204.9	204.4	200.6	195.9	190.3	183.7	176.3	168.2	161.1
-52.5°	177.4	178.9	179.5	179.5	176.0	171.8	166.8	161.1	154.7	147.5	141.1
-55°	158.2	160.3	161.8	162.8	159.0	154.6	149.7	144.0	137.7	130.8	124.6
-57.5°	144.2	146.8	149.0	150.9	146.6	142.1	137.2	131.4	124.8	117.7	110.5
-60°	133.5	137.3	140.8	143.9	138.8	133.5	127.9	121.3	113.7	105.7	97.3
-62.5°	118.2	122.7	126.9	130.6	125.6	120.3	114.6	108.1	100.4	92.7	85.3
-65°	97.1	100.6	103.8	106.5	103.0	99.1	94.9	90.0	84.4	78.8	73.5
-67.5°	76.4	78.2	79.8	81.1	79.3	77.1	74.6	71.9	68.7	65.7	62.9
-70°	61.0	61.0	60.9	60.6	59.9	59.0	57.9	56.6	55.1	53.5	51.8
-72.5°	50.8	50.6	50.3	49.9	49.3	48.5	47.7	46.7	45.6	44.4	43.0
-75°	41.5	41.4	41.1	40.7	40.1	39.4	38.6	37.7	36.8	35.8	34.7
-77.5°	32.7	32.5	32.3	32.0	31.4	30.8	30.1	29.3	28.5	27.6	26.6
-80°	24.1	23.9	23.6	23.3	22.9	22.4	21.8	21.2	20.5	19.8	19.0
-82.5°	16.0	15.8	15.5	15.1	14.7	14.3	13.9	13.4	12.9	12.4	11.8
-85°	9.1	8.8	8.4	8.1	7.8	7.6	7.3	6.9	6.7	6.4	6.1
-87.5°	3.9	3.6	3.3	3.0	2.9	2.7	2.6	2.4	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: P1217535 (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°
90°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	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
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
80°	2.0	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.6	0.6	0.6
77.5°	7.0	6.5	6.0	5.4	4.8	4.5	4.1	3.6	3.2	2.9	2.6
75°	14.4	13.5	12.6	11.7	10.8	10.1	9.4	8.7	7.9	7.3	6.6
72.5°	22.8	21.7	20.5	19.2	18.1	17.1	16.1	14.9	13.8	12.7	11.5
70°	32.4	30.8	29.3	27.6	26.1	24.7	23.2	21.6	20.2	18.8	17.3
67.5°	43.6	41.3	39.0	36.7	34.7	32.8	30.9	29.0	27.2	25.3	23.3
65°	54.7	51.7	48.6	45.8	43.6	41.3	39.0	36.6	34.3	32.0	29.8
62.5°	65.3	61.1	57.0	53.6	51.7	49.5	46.8	44.2	41.9	39.3	36.4
60°	77.4	71.7	66.1	61.8	59.3	56.8	54.5	52.4	49.9	46.7	43.4
57.5°	91.8	85.5	78.8	73.4	69.3	65.3	61.7	60.1	58.3	55.5	51.5
55°	107.1	100.9	94.2	88.8	83.0	77.1	72.1	69.4	66.8	63.9	60.6
52.5°	123.0	116.8	110.1	104.5	98.6	92.1	86.2	81.6	77.2	73.2	69.8
50°	139.1	132.1	125.5	119.4	113.1	106.4	101.6	96.5	90.2	84.1	80.0
47.5°	156.3	148.6	141.7	134.7	127.1	120.1	114.8	109.7	104.5	98.2	92.0
45°	174.9	166.4	158.8	150.6	142.2	134.6	127.4	121.2	115.8	111.6	105.7
42.5°	197.4	186.4	176.7	167.7	158.2	149.4	141.0	132.8	126.1	121.7	117.5
40°	226.3	212.7	199.2	186.2	175.0	165.2	155.0	145.3	137.1	130.6	126.3
37.5°	262.1	244.8	227.3	210.4	195.2	181.3	169.8	158.7	148.5	140.0	133.8
35°	302.8	281.3	259.8	239.1	219.6	201.7	185.4	172.4	160.7	149.9	141.4
32.5°	349.7	321.8	295.8	270.6	247.1	224.8	204.9	187.1	172.9	160.4	148.9
30°	413.0	371.5	335.6	305.0	276.2	250.0	226.0	204.7	185.7	170.8	157.1
27.5°	495.3	438.8	386.9	342.5	307.5	275.9	248.1	223.2	200.6	181.1	166.0
25°	597.6	522.2	451.4	390.2	340.6	303.2	270.2	241.6	216.0	192.8	174.3
22.5°	708.6	621.0	530.2	446.4	379.9	331.0	293.0	259.7	231.0	205.4	183.2
20°	825.3	723.2	618.8	513.6	425.5	360.7	315.4	277.8	245.5	217.7	192.0
17.5°	951.3	825.7	708.9	589.4	477.4	393.9	337.7	295.3	259.3	228.1	200.0
15°	1078.9	931.2	794.8	664.7	533.5	429.3	359.7	311.9	271.9	237.5	207.6
12.5°	1200.4	1034.3	875.9	734.6	590.9	465.6	382.0	327.5	283.5	246.2	214.2
10°	1316.9	1127.1	951.4	793.4	642.5	499.3	403.5	341.8	293.8	253.8	219.8
7.5°	1422.0	1207.4	1013.1	840.2	685.8	528.8	421.6	353.9	302.7	260.2	224.0
5°	1513.7	1274.6	1062.5	875.1	718.0	551.7	434.6	364.2	309.9	265.2	227.3
2.5°	1579.9	1321.9	1095.3	894.8	736.5	565.9	442.1	371.4	314.9	268.4	229.1
0°	1613.2	1345.3	1109.8	900.5	742.7	569.7	443.9	375.2	317.2	269.6	229.4
-2.5°	1617.2	1347.4	1110.2	898.9	742.9	572.8	445.8	375.7	317.9	270.2	229.9
-5°	1589.6	1323.8	1089.4	882.7	732.3	564.8	441.7	372.8	315.9	268.7	228.9
-7.5°	1531.1	1278.6	1051.7	858.6	712.5	549.4	432.8	366.6	311.0	265.2	226.2
-10°	1436.3	1211.5	996.4	825.1	682.2	528.7	421.9	357.3	304.2	260.0	222.2
-12.5°	1327.1	1124.3	930.5	783.5	641.3	500.5	405.6	345.4	295.4	253.4	217.5
-15°	1208.5	1025.0	861.3	730.1	591.4	466.5	385.9	331.4	284.9	245.4	211.8
-17.5°	1083.5	923.4	790.1	666.6	538.1	432.1	364.6	315.2	272.9	236.2	205.2
-20°	955.8	825.8	710.8	594.1	482.1	397.7	342.4	297.8	259.5	226.1	197.6

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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°	834.6	729.2	626.1	521.0	429.8	365.3	319.4	279.5	244.9	215.1	189.5
-25°	720.8	630.0	539.3	453.1	383.3	335.7	296.0	261.2	230.1	203.4	180.6
-27.5°	609.4	533.7	458.5	393.2	345.3	306.7	272.4	242.3	215.6	191.6	172.4
-30°	506.9	447.4	390.6	347.1	311.4	279.0	250.0	224.0	200.5	180.3	163.9
-32.5°	418.5	375.9	340.6	309.0	279.7	253.1	228.2	206.0	186.0	170.3	155.3
-35°	354.0	326.7	300.2	274.5	250.6	228.2	207.9	188.8	173.3	159.6	147.6
-37.5°	306.7	285.1	263.5	243.1	223.7	205.5	188.5	174.1	161.1	149.5	140.0
-40°	265.4	248.3	231.2	215.4	199.5	184.7	172.2	160.5	149.6	140.4	132.8
-42.5°	229.8	216.4	203.5	190.4	178.2	167.6	157.2	147.7	139.3	132.1	124.9
-45°	200.6	189.3	179.2	169.9	160.5	151.7	143.5	136.2	129.9	123.3	115.1
-47.5°	175.7	167.1	159.0	151.3	144.1	137.3	131.0	125.5	119.9	112.7	102.9
-50°	154.1	147.1	140.5	134.9	129.4	124.3	119.4	114.3	107.7	99.4	91.2
-52.5°	135.8	130.0	124.3	120.3	116.1	111.7	106.9	100.5	93.8	87.6	81.4
-55°	120.2	115.3	110.0	106.3	102.5	97.4	92.0	87.1	82.5	77.8	72.5
-57.5°	106.2	101.5	95.9	91.6	87.9	84.0	80.4	76.9	73.1	68.9	64.1
-60°	92.9	88.3	83.3	79.4	76.8	74.1	71.1	67.9	64.4	60.3	56.0
-62.5°	80.9	77.1	73.4	70.0	67.9	65.4	62.7	59.5	56.1	52.5	49.0
-65°	70.1	67.2	64.5	62.0	59.9	57.4	54.4	51.4	48.4	45.6	42.7
-67.5°	60.7	58.3	55.9	53.5	51.1	48.7	46.5	44.0	41.8	39.3	36.9
-70°	50.2	48.6	46.9	45.0	43.2	41.3	39.3	37.3	35.2	33.3	31.2
-72.5°	41.6	40.3	38.8	37.3	35.6	34.1	32.5	30.7	29.1	27.5	25.7
-75°	33.5	32.3	31.0	29.8	28.6	27.2	25.9	24.6	23.2	21.8	20.5
-77.5°	25.6	24.7	23.7	22.6	21.6	20.7	19.7	18.6	17.6	16.5	15.4
-80°	18.3	17.6	16.8	16.1	15.3	14.6	13.8	13.0	12.1	11.3	10.5
-82.5°	11.2	10.8	10.4	9.9	9.5	9.0	8.5	8.0	7.5	7.0	6.6
-85°	5.8	5.6	5.3	5.1	4.8	4.6	4.4	4.2	3.9	3.7	3.4
-87.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.2
-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°	0.2	0.2	0.2	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	0.1	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	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1
80°	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.3	0.2	0.3
77.5°	2.2	1.9	1.7	1.5	1.2	1.0	0.9	0.7	0.6	0.5	0.4
75°	5.8	5.0	4.3	3.7	3.0	2.5	2.0	1.6	1.2	0.9	0.8
72.5°	10.4	9.3	8.2	7.1	6.0	4.9	4.0	3.1	2.4	1.7	1.3
70°	15.8	14.2	12.6	11.0	9.5	8.0	6.6	5.3	4.0	2.9	2.1
67.5°	21.4	19.5	17.6	15.6	13.5	11.4	9.6	7.8	6.1	4.5	3.2
65°	27.4	25.0	22.6	20.4	17.8	15.4	12.9	10.5	8.5	6.4	4.6
62.5°	33.5	30.9	28.1	25.1	22.3	19.5	16.6	13.6	10.9	8.5	6.2
60°	40.1	36.6	33.4	30.3	26.7	23.5	20.2	16.9	13.6	10.6	7.9
57.5°	47.5	43.3	39.0	35.2	31.6	27.6	23.9	20.2	16.5	12.8	9.7
55°	56.5	51.2	45.7	40.5	36.0	32.0	27.5	23.5	19.4	15.3	11.5
52.5°	65.9	60.6	53.9	47.0	40.9	36.0	31.6	26.6	22.3	17.8	13.4
50°	75.7	70.2	63.2	54.9	46.9	40.2	35.1	30.1	25.0	20.1	15.5
47.5°	86.1	80.2	72.8	63.7	54.2	45.4	38.7	33.4	27.6	22.5	17.5
45°	98.0	90.4	82.2	72.7	62.2	51.7	42.7	36.3	30.5	24.8	19.4
42.5°	111.1	101.7	91.3	81.4	70.5	58.7	47.5	39.4	33.3	27.0	21.3
40°	122.1	113.0	101.0	89.8	78.5	66.1	52.9	42.6	35.7	29.2	23.2
37.5°	129.3	122.6	111.2	98.2	86.4	72.9	58.6	46.4	38.2	31.5	24.9
35°	134.7	129.1	120.7	107.4	93.8	78.7	64.1	50.4	40.6	33.5	26.5
32.5°	140.0	134.0	127.7	116.3	99.3	83.6	69.1	54.7	43.1	35.5	28.2
30°	146.0	138.3	132.7	122.6	104.7	88.0	73.3	58.9	45.9	37.3	29.7
27.5°	152.5	142.7	135.6	125.5	109.5	91.7	76.8	62.9	48.6	39.0	31.3
25°	159.4	146.9	136.7	127.1	113.2	95.2	79.7	66.3	51.4	40.6	32.6
22.5°	166.0	150.2	138.0	128.0	115.8	98.6	82.3	69.0	54.0	42.1	33.8
20°	171.2	153.9	139.7	128.6	117.1	101.2	84.4	70.7	56.4	43.6	35.0
17.5°	176.4	157.8	141.7	129.3	117.7	103.1	85.6	71.8	58.6	45.0	36.0
15°	181.7	161.4	143.7	129.9	117.8	103.7	86.5	72.5	60.4	46.2	36.9
12.5°	186.6	164.5	145.5	130.2	117.3	103.7	87.1	72.9	61.7	47.3	37.7
10°	190.7	166.9	147.0	130.5	116.7	103.1	87.2	73.0	62.6	48.2	38.3
7.5°	193.7	168.8	148.1	130.6	115.9	102.1	86.9	72.9	63.1	49.0	38.9
5°	195.8	170.2	148.7	130.4	114.8	100.6	86.2	72.4	63.3	49.5	39.3
2.5°	196.7	170.7	148.6	129.7	113.3	98.8	85.1	71.7	63.2	49.9	39.6
0°	196.5	170.4	147.9	128.5	111.5	96.7	83.6	70.7	63.0	50.0	39.8
-2.5°	197.0	170.9	148.5	129.2	112.4	97.4	83.9	70.9	62.9	50.0	39.9
-5°	196.4	170.5	148.3	129.5	112.9	97.7	83.9	70.8	62.7	49.9	39.8
-7.5°	194.5	169.3	147.5	129.2	112.9	97.7	83.6	70.5	62.3	49.5	39.6
-10°	191.7	167.4	146.1	128.4	112.4	97.2	82.9	70.0	61.7	48.9	39.3
-12.5°	188.2	164.7	144.2	127.4	111.6	96.3	81.9	69.3	60.9	48.2	38.9
-15°	184.1	161.8	142.2	126.0	110.3	95.0	80.4	68.3	59.8	47.4	38.3
-17.5°	179.3	158.5	140.0	124.7	109.0	93.2	78.8	67.2	58.4	46.5	37.7
-20°	174.3	154.5	137.8	123.1	107.6	91.7	76.9	66.0	56.7	45.5	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°	169.0	150.3	135.4	121.3	105.5	89.6	75.2	64.8	54.9	44.4	36.0
-25°	162.6	146.4	133.1	119.0	102.9	87.1	73.3	63.4	52.9	43.2	35.0
-27.5°	155.6	142.0	130.4	116.1	99.7	84.1	71.0	61.6	50.8	41.8	33.9
-30°	149.0	137.4	126.5	112.3	95.7	80.8	68.6	59.3	48.6	40.4	32.8
-32.5°	143.0	132.7	121.3	107.0	91.2	77.2	66.1	56.3	46.6	38.9	31.5
-35°	137.3	127.4	115.0	100.3	86.5	73.5	63.2	53.3	44.6	37.2	30.2
-37.5°	131.6	121.1	107.5	93.4	80.9	69.5	59.8	50.3	42.5	35.5	28.7
-40°	124.8	113.0	99.2	86.7	75.4	65.2	56.0	47.5	40.4	33.7	27.2
-42.5°	115.6	103.7	91.2	80.2	69.9	60.8	52.2	44.7	38.1	31.8	25.7
-45°	104.4	93.8	83.6	73.7	64.5	56.1	48.6	42.0	35.8	29.9	24.0
-47.5°	93.4	84.8	76.2	67.3	59.1	51.7	45.2	39.3	33.5	27.8	22.4
-50°	83.8	76.4	68.9	60.9	53.8	47.6	41.9	36.5	31.1	25.8	20.7
-52.5°	75.1	68.5	61.4	54.9	49.1	43.7	38.6	33.7	28.7	23.7	19.0
-55°	66.9	60.7	54.9	49.7	44.6	39.9	35.3	30.7	26.2	21.6	17.3
-57.5°	58.8	53.8	49.2	44.6	40.4	36.2	32.0	27.8	23.7	19.6	15.4
-60°	51.7	47.8	43.9	40.1	36.3	32.6	28.7	24.9	21.2	17.4	13.6
-62.5°	45.6	42.3	38.9	35.6	32.3	28.9	25.5	22.0	18.7	15.3	11.8
-65°	39.8	37.0	34.1	31.2	28.2	25.3	22.2	19.2	16.2	13.0	10.1
-67.5°	34.4	31.9	29.5	26.9	24.3	21.7	19.0	16.3	13.6	11.0	8.5
-70°	29.2	27.0	24.9	22.6	20.5	18.2	15.9	13.5	11.2	9.0	6.9
-72.5°	24.0	22.2	20.4	18.5	16.7	14.7	12.7	10.8	9.0	7.2	5.5
-75°	19.0	17.6	16.1	14.5	12.9	11.4	9.9	8.3	6.9	5.5	4.2
-77.5°	14.3	13.1	11.9	10.7	9.6	8.4	7.3	6.1	5.0	4.0	3.0
-80°	9.8	9.0	8.2	7.4	6.6	5.8	5.0	4.2	3.4	2.6	1.9
-82.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.0	2.5	2.0	1.6	1.1
-85°	3.1	2.9	2.6	2.4	2.1	1.9	1.6	1.3	1.0	0.8	0.5
-87.5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	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: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80°	0.2	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.4	0.2	0.1	0.1	0.1	0.1	0.1
75°	0.6	0.4	0.2	0.1	0.1	0.1	0.1
72.5°	1.0	0.7	0.4	0.2	0.1	0.1	0.1
70°	1.5	1.1	0.6	0.3	0.1	0.1	0.1
67.5°	2.2	1.5	0.9	0.5	0.1	0.1	0.1
65°	3.1	2.0	1.3	0.6	0.2	0.1	0.1
62.5°	4.2	2.7	1.6	0.8	0.3	0.1	0.1
60°	5.4	3.5	2.1	1.1	0.4	0.1	0.1
57.5°	6.8	4.4	2.6	1.4	0.5	0.1	0.1
55°	8.3	5.3	3.1	1.6	0.6	0.1	0.1
52.5°	9.7	6.4	3.8	1.9	0.7	0.1	0.1
50°	11.2	7.5	4.4	2.3	0.8	0.1	0.1
47.5°	12.7	8.6	5.1	2.6	0.9	0.1	0.1
45°	14.3	9.7	5.8	3.0	1.1	0.1	0.1
42.5°	15.8	10.8	6.5	3.3	1.3	0.2	0.1
40°	17.3	11.9	7.3	3.7	1.4	0.2	0.1
37.5°	18.8	13.0	8.0	4.1	1.6	0.2	0.1
35°	20.1	14.1	8.7	4.5	1.7	0.2	0.1
32.5°	21.4	15.1	9.4	4.9	1.9	0.2	0.1
30°	22.7	16.1	10.1	5.3	2.0	0.3	0.1
27.5°	23.9	17.0	10.7	5.7	2.2	0.3	0.1
25°	24.9	17.9	11.4	6.0	2.3	0.3	0.1
22.5°	25.9	18.7	11.9	6.4	2.5	0.4	0.1
20°	26.8	19.4	12.5	6.7	2.6	0.4	0.1
17.5°	27.7	20.1	13.0	7.0	2.7	0.4	0.1
15°	28.5	20.7	13.5	7.2	2.9	0.4	0.1
12.5°	29.1	21.2	13.9	7.5	3.0	0.4	0.1
10°	29.7	21.6	14.2	7.7	3.1	0.5	0.1
7.5°	30.2	22.0	14.5	7.9	3.1	0.5	0.1
5°	30.6	22.2	14.8	8.0	3.2	0.5	0.1
2.5°	30.8	22.5	15.0	8.1	3.3	0.5	0.1
0°	31.0	22.6	15.1	8.2	3.3	0.5	0.1
-2.5°	31.1	22.7	15.2	8.2	3.3	0.5	0.1
-5°	31.0	22.7	15.1	8.2	3.3	0.5	0.1
-7.5°	30.9	22.6	15.1	8.2	3.3	0.5	0.1
-10°	30.6	22.4	15.0	8.2	3.3	0.5	0.1
-12.5°	30.3	22.2	14.8	8.1	3.2	0.5	0.1
-15°	29.9	21.9	14.5	7.9	3.2	0.5	0.1
-17.5°	29.3	21.5	14.2	7.8	3.1	0.5	0.1
-20°	28.7	21.0	13.9	7.6	3.0	0.4	0.1



REPORT NUMBER: P1217535 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BZ-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.0	20.5	13.5	7.4	2.9	0.4	0.1
-25°	27.2	19.9	13.0	7.1	2.8	0.4	0.1
-27.5°	26.4	19.3	12.5	6.8	2.7	0.4	0.1
-30°	25.4	18.6	12.0	6.5	2.6	0.4	0.1
-32.5°	24.4	17.8	11.4	6.2	2.4	0.3	0.1
-35°	23.3	17.0	10.8	5.9	2.3	0.3	0.1
-37.5°	22.2	16.1	10.2	5.5	2.1	0.3	0.1
-40°	21.1	15.2	9.6	5.2	2.0	0.2	0.1
-42.5°	19.8	14.2	9.0	4.8	1.8	0.2	0.1
-45°	18.5	13.1	8.3	4.4	1.6	0.2	0.1
-47.5°	17.3	12.0	7.6	4.1	1.5	0.2	0.1
-50°	15.8	11.0	7.0	3.7	1.3	0.2	0.1
-52.5°	14.4	10.1	6.3	3.3	1.1	0.1	0.1
-55°	12.8	9.0	5.6	2.9	1.0	0.1	0.1
-57.5°	11.4	8.0	4.9	2.5	0.9	0.1	0.1
-60°	10.1	7.0	4.3	2.1	0.7	0.1	0.1
-62.5°	8.7	6.0	3.7	1.8	0.6	0.1	0.1
-65°	7.4	5.1	3.0	1.5	0.5	0.1	0.1
-67.5°	6.2	4.2	2.5	1.2	0.4	0.1	0.1
-70°	5.0	3.3	1.9	0.9	0.3	0.1	0.1
-72.5°	3.9	2.6	1.5	0.7	0.2	0.1	0.1
-75°	2.9	1.9	1.1	0.5	0.2	0.1	0.1
-77.5°	2.1	1.3	0.7	0.3	0.1	0.1	0.1
-80°	1.3	0.8	0.4	0.2	0.1	0.1	0.1
-82.5°	0.8	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°	0.2	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)