

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: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BK-4000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217528 (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-4000K-4H4V
Description: 15W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 80 CRI, 4000K
Ballast/Driver: -

Summary

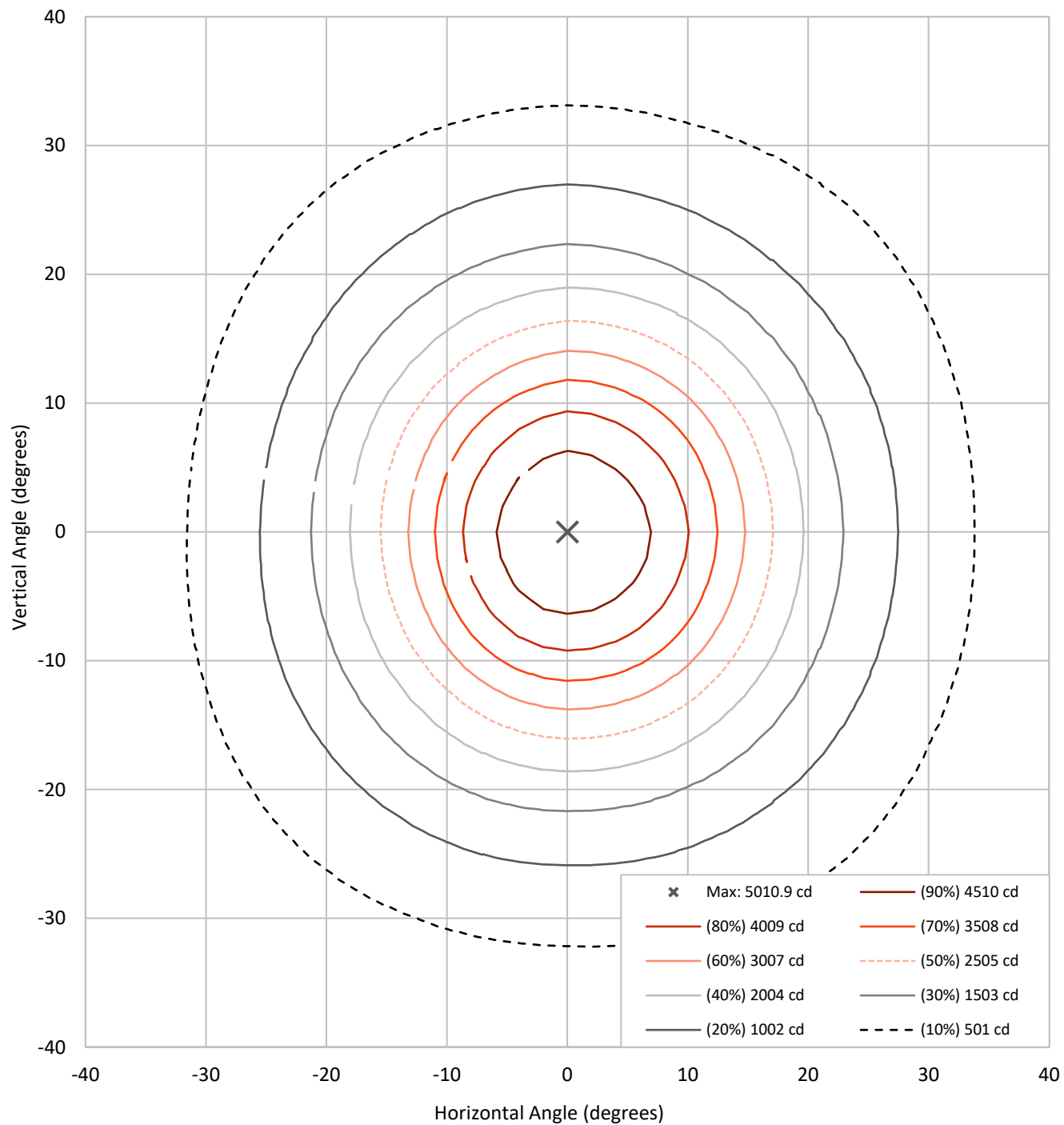
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	2355.3 lumens	Max Intensity:	5010.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.9 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	32.5°H x 32.4°V	Field Angle (10%):	65.4°H x 65.2°V
Beam Lumens:	895.5 lumens	Field Lumens:	1811.4 lumens
Beam Efficiency:	38.0%	Field Efficiency:	76.9%

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



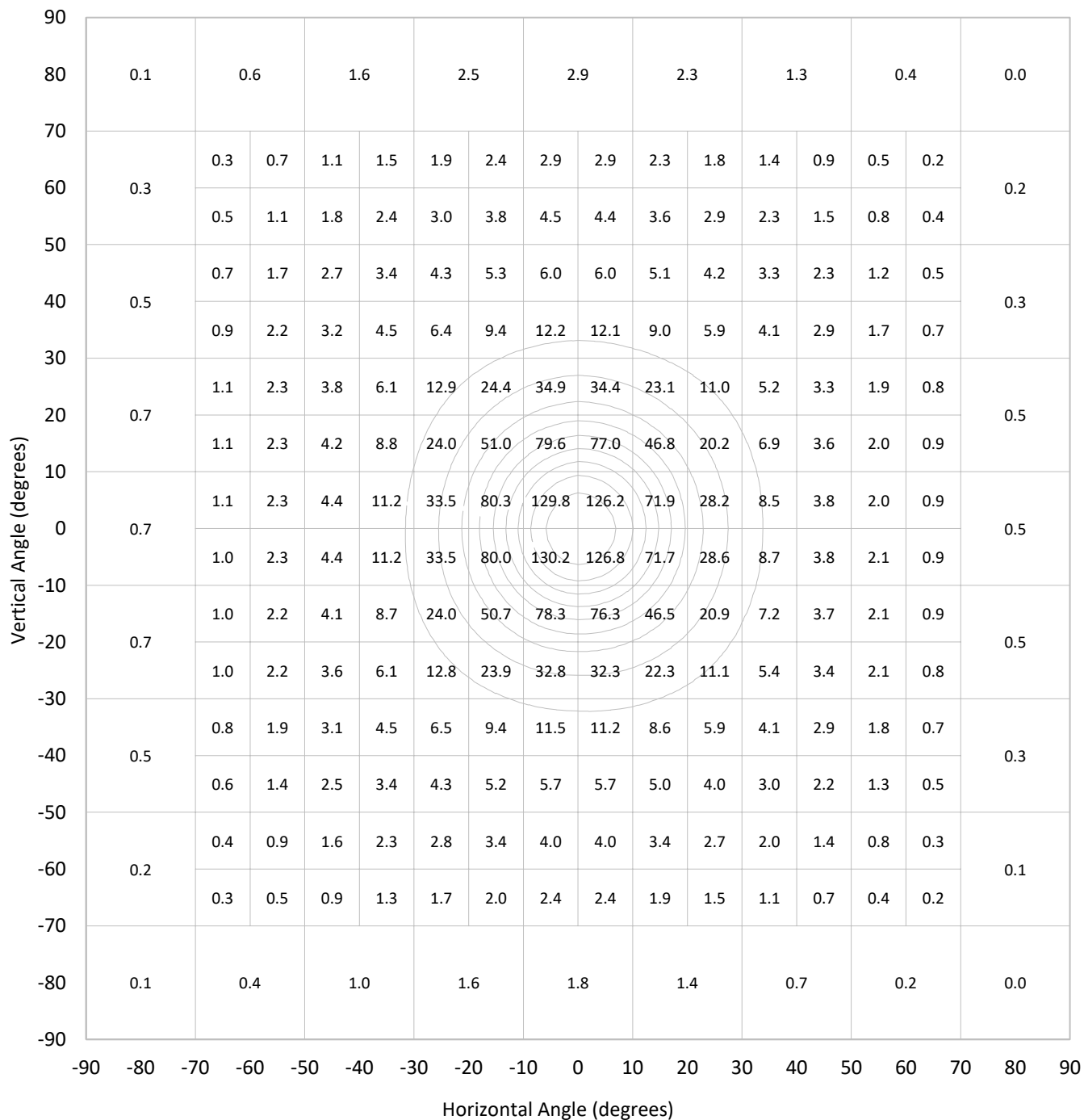
REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



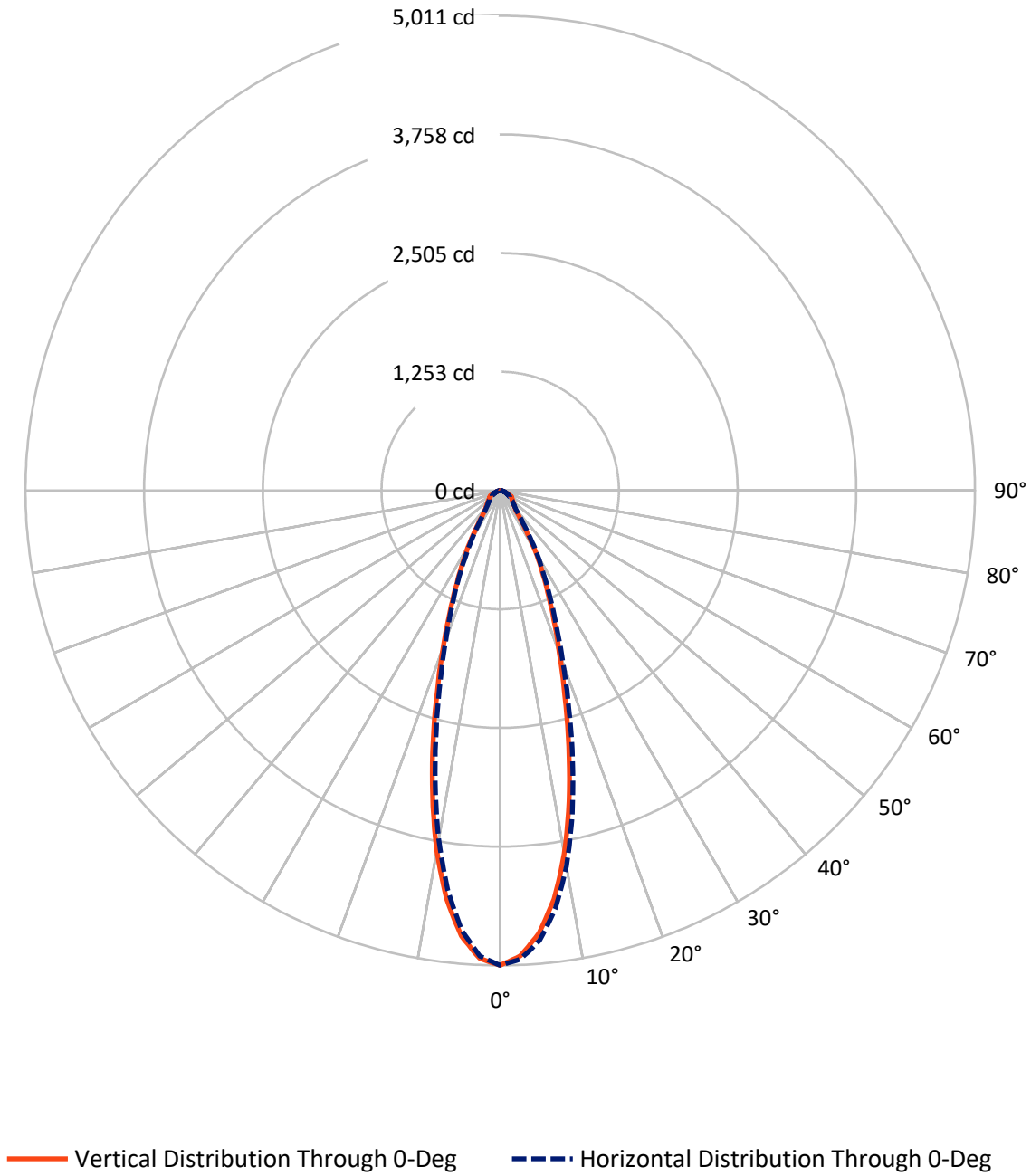
REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
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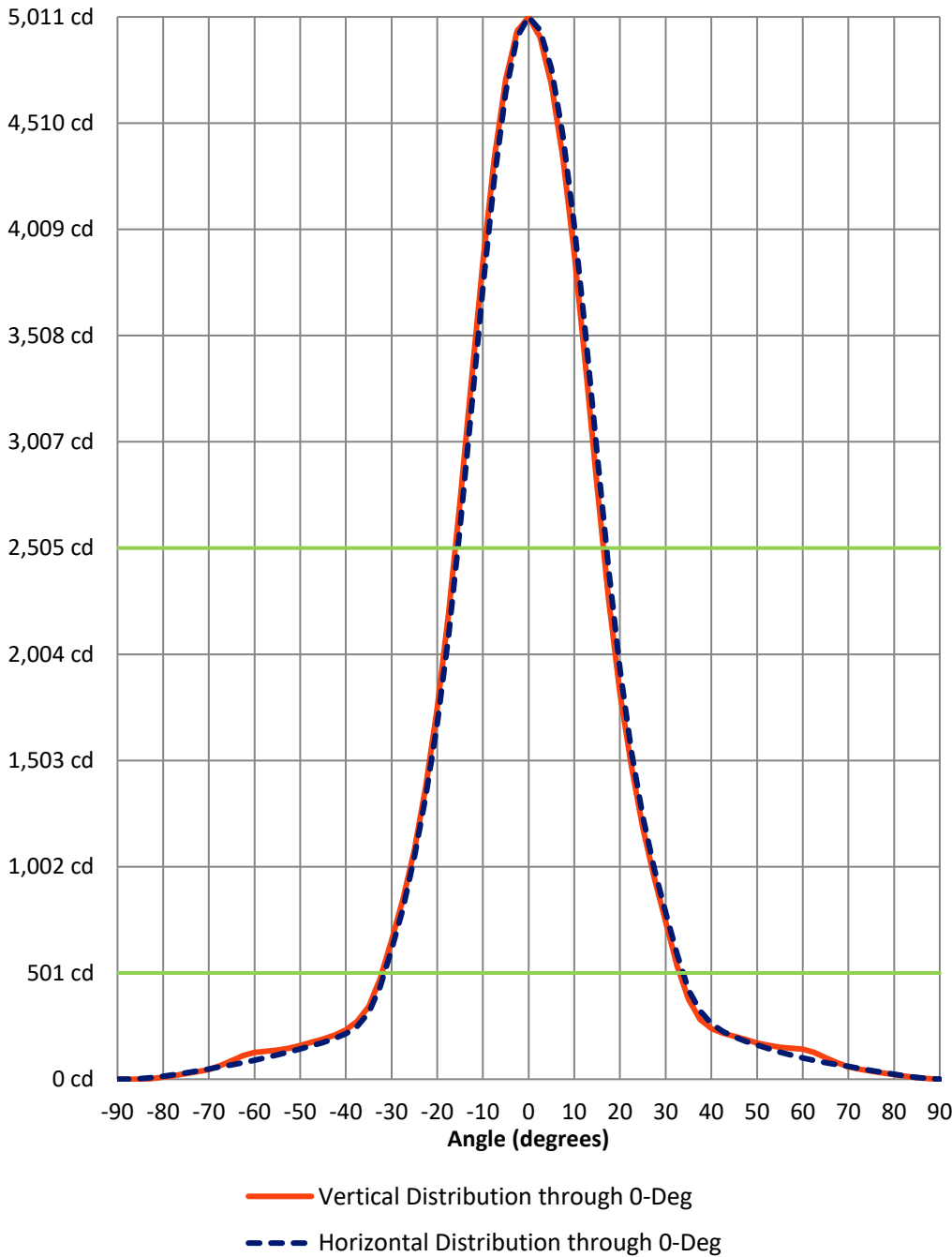
Luminous Intensity Polar Plot





REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-4000K-4H4V

Luminous Intensity Plot



Beam:
H Angle: 32.5°
V Angle: 32.4°
Lumens: 895.5
Efficiency: 38.0%

Field:
H Angle: 65.4°
V Angle: 65.2°
Lumens: 1811.4
Efficiency: 76.9%

Spill:
Lumens: 543.9
Efficiency: 23.1%

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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	0.1	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	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.6
82.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.6	0.8	1.2	1.5
80°	0.1	0.1	0.1	0.1	0.2	0.4	0.8	1.1	1.6	2.2	2.9
77.5°	0.1	0.1	0.1	0.1	0.4	0.8	1.3	1.9	2.7	3.6	4.6
75°	0.1	0.1	0.1	0.3	0.7	1.2	2.0	2.9	4.0	5.2	6.5
72.5°	0.1	0.1	0.1	0.4	1.0	1.7	2.8	4.1	5.5	7.1	8.7
70°	0.1	0.1	0.2	0.6	1.3	2.4	3.7	5.3	7.2	9.1	11.2
67.5°	0.1	0.1	0.2	0.8	1.7	3.1	4.8	6.8	8.9	11.3	13.9
65°	0.1	0.1	0.3	1.0	2.2	3.9	5.9	8.2	10.8	13.7	16.8
62.5°	0.1	0.1	0.4	1.3	2.7	4.7	7.1	9.8	12.9	16.2	19.6
60°	0.1	0.1	0.5	1.6	3.3	5.6	8.3	11.5	15.0	18.7	22.4
57.5°	0.1	0.1	0.6	1.9	3.9	6.5	9.7	13.3	17.2	21.2	25.4
55°	0.1	0.1	0.7	2.2	4.5	7.5	11.0	15.1	19.3	23.7	28.3
52.5°	0.1	0.1	0.9	2.5	5.1	8.5	12.4	16.9	21.5	26.2	31.1
50°	0.1	0.1	1.0	2.9	5.8	9.5	13.8	18.6	23.6	28.8	34.1
47.5°	0.1	0.1	1.1	3.3	6.5	10.4	15.2	20.3	25.7	31.2	36.9
45°	0.1	0.2	1.2	3.7	7.1	11.4	16.6	22.1	27.8	33.7	39.7
42.5°	0.1	0.2	1.4	4.0	7.8	12.4	17.9	23.7	29.8	36.0	42.4
40°	0.1	0.2	1.5	4.4	8.4	13.5	19.2	25.3	31.7	38.3	45.1
37.5°	0.1	0.2	1.7	4.7	9.0	14.4	20.5	26.9	33.6	40.5	47.6
35°	0.1	0.2	1.8	5.1	9.6	15.3	21.7	28.4	35.4	42.6	50.1
32.5°	0.1	0.3	2.0	5.4	10.1	16.2	22.8	29.8	37.1	44.6	52.6
30°	0.1	0.3	2.1	5.7	10.7	17.0	23.9	31.1	38.7	46.4	55.1
27.5°	0.1	0.3	2.2	6.0	11.2	17.8	24.8	32.4	40.2	48.1	57.4
25°	0.1	0.3	2.3	6.3	11.7	18.4	25.7	33.5	41.5	49.7	59.3
22.5°	0.1	0.3	2.4	6.5	12.2	19.0	26.6	34.6	42.8	51.2	60.8
20°	0.1	0.4	2.6	6.8	12.6	19.6	27.4	35.5	43.9	52.8	62.2
17.5°	0.1	0.4	2.6	7.0	13.0	20.2	28.1	36.4	44.9	54.3	63.6
15°	0.1	0.4	2.7	7.2	13.3	20.6	28.6	37.1	45.8	55.5	64.8
12.5°	0.1	0.4	2.8	7.3	13.6	21.0	29.1	37.7	46.5	56.6	65.8
10°	0.1	0.4	2.8	7.4	13.8	21.3	29.5	38.2	47.1	57.4	66.6
7.5°	0.1	0.4	2.9	7.5	13.9	21.6	29.8	38.6	47.6	58.1	67.2
5°	0.1	0.4	2.9	7.6	14.1	21.7	30.0	38.9	47.9	58.6	67.6
2.5°	0.1	0.4	2.9	7.6	14.1	21.8	30.1	39.0	48.1	58.9	67.8
0°	0.1	0.4	2.9	7.6	14.1	21.8	30.1	39.0	48.1	59.0	67.7
-2.5°	0.1	0.4	2.9	7.6	14.0	21.7	30.0	38.9	48.1	59.4	68.8
-5°	0.1	0.4	2.8	7.5	13.9	21.5	29.8	38.6	47.9	59.5	69.6
-7.5°	0.1	0.4	2.8	7.4	13.7	21.2	29.4	38.2	47.5	59.3	70.2
-10°	0.1	0.4	2.7	7.2	13.4	20.9	29.0	37.7	47.0	58.9	70.5
-12.5°	0.1	0.4	2.7	7.1	13.1	20.5	28.5	37.0	46.3	58.1	70.4
-15°	0.1	0.4	2.6	6.9	12.8	20.0	27.8	36.3	45.4	57.0	70.0
-17.5°	0.1	0.3	2.5	6.6	12.4	19.4	27.1	35.4	44.3	55.5	69.3
-20°	0.1	0.3	2.4	6.4	11.9	18.8	26.3	34.4	43.1	53.8	68.2



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CATALOG NUMBER: TRX15S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	0.3	2.3	6.1	11.4	18.1	25.4	33.3	41.7	52.0	66.5
-25°	0.1	0.3	2.1	5.8	10.9	17.4	24.5	32.1	40.2	50.0	63.8
-27.5°	0.1	0.3	2.0	5.5	10.4	16.7	23.4	30.8	38.6	47.7	60.5
-30°	0.1	0.3	1.9	5.2	9.8	15.8	22.3	29.4	36.9	45.4	56.8
-32.5°	0.1	0.2	1.8	4.9	9.2	14.9	21.2	27.9	35.1	42.9	53.2
-35°	0.1	0.2	1.6	4.5	8.6	13.9	19.9	26.4	33.3	40.5	49.6
-37.5°	0.1	0.2	1.5	4.1	8.0	12.9	18.6	24.7	31.3	38.1	46.1
-40°	0.1	0.2	1.3	3.8	7.3	11.8	17.3	23.1	29.2	35.7	42.7
-42.5°	0.1	0.2	1.2	3.4	6.7	10.8	16.0	21.4	27.1	33.2	39.5
-45°	0.1	0.2	1.1	3.0	6.0	9.8	14.5	19.6	25.0	30.7	36.5
-47.5°	0.1	0.1	0.9	2.7	5.3	8.8	13.1	17.8	22.8	28.0	33.5
-50°	0.1	0.1	0.8	2.3	4.7	7.8	11.6	16.0	20.6	25.4	30.5
-52.5°	0.1	0.1	0.7	2.0	4.1	6.9	10.2	14.2	18.4	22.8	27.4
-55°	0.1	0.1	0.5	1.7	3.5	5.9	8.9	12.3	16.2	20.2	24.3
-57.5°	0.1	0.1	0.5	1.4	2.9	5.0	7.5	10.5	13.9	17.6	21.4
-60°	0.1	0.1	0.4	1.2	2.4	4.1	6.3	8.8	11.8	15.0	18.4
-62.5°	0.1	0.1	0.3	0.9	1.9	3.3	5.1	7.3	9.7	12.4	15.4
-65°	0.1	0.1	0.2	0.7	1.5	2.6	4.0	5.8	7.8	10.0	12.5
-67.5°	0.1	0.1	0.2	0.5	1.2	1.9	3.0	4.4	6.0	7.8	9.8
-70°	0.1	0.1	0.1	0.4	0.8	1.4	2.2	3.2	4.4	5.7	7.3
-72.5°	0.1	0.1	0.1	0.3	0.5	1.0	1.5	2.2	3.0	4.0	5.1
-75°	0.1	0.1	0.1	0.2	0.3	0.6	1.0	1.4	1.9	2.5	3.3
-77.5°	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.8	1.1	1.5	1.9
-80°	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9
-82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4
-85°	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	0.1	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	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-4000K-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°	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
85°	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.1	3.4	3.7
82.5°	1.9	2.4	2.9	3.5	4.0	4.6	5.1	5.8	6.4	6.9	7.5
80°	3.6	4.4	5.2	6.0	6.9	7.7	8.6	9.6	10.5	11.4	12.4
77.5°	5.6	6.7	7.8	9.0	10.3	11.5	12.9	14.3	15.6	16.9	18.1
75°	7.9	9.5	11.0	12.6	14.4	16.1	17.7	19.3	21.0	22.4	24.0
72.5°	10.6	12.5	14.6	16.6	18.6	20.6	22.6	24.5	26.4	28.4	30.2
70°	13.5	15.9	18.3	20.6	23.0	25.4	27.7	30.0	32.2	34.4	36.6
67.5°	16.7	19.3	22.0	24.8	27.6	30.3	33.0	35.5	38.3	40.9	43.5
65°	19.8	22.9	26.0	29.2	32.2	35.2	38.4	41.5	44.7	47.9	50.8
62.5°	23.0	26.5	30.0	33.5	37.0	40.5	44.2	48.0	51.5	55.4	59.7
60°	26.3	30.2	34.1	38.0	42.0	46.2	50.2	54.6	59.3	63.9	67.6
57.5°	29.6	33.9	38.1	42.6	47.2	51.9	56.8	62.1	67.4	71.5	75.0
55°	32.9	37.6	42.4	47.4	52.7	58.3	64.5	70.3	75.2	79.8	85.0
52.5°	36.2	41.3	46.7	52.4	58.6	65.6	72.2	78.3	84.5	91.3	97.6
50°	39.5	45.1	51.1	57.8	65.5	73.0	80.2	87.8	96.3	103.8	109.4
47.5°	42.7	48.9	55.8	63.7	72.4	80.7	89.4	99.1	108.1	114.4	118.6
45°	45.9	52.9	60.8	69.8	79.2	89.3	100.1	110.1	117.2	122.5	126.7
42.5°	49.2	57.1	66.0	75.7	86.3	98.8	110.3	118.5	124.3	129.3	134.1
40°	52.5	61.3	71.1	81.7	94.0	107.6	118.6	125.0	130.3	135.5	141.1
37.5°	55.9	65.3	76.1	87.9	101.7	114.9	124.1	130.3	135.7	141.5	148.0
35°	59.1	69.1	81.1	94.3	108.8	120.1	128.2	134.9	140.9	147.6	155.9
32.5°	62.0	72.7	85.4	100.6	114.6	124.3	131.7	138.6	146.1	154.4	164.4
30°	64.6	75.9	89.5	105.6	118.8	127.6	134.9	142.5	151.3	161.8	172.7
27.5°	67.0	78.8	93.1	109.1	121.8	130.4	138.0	146.5	156.9	168.6	181.3
25°	69.1	81.3	96.2	111.5	123.2	132.6	141.1	150.9	162.6	175.3	189.0
22.5°	70.9	83.5	98.5	113.0	124.4	134.0	144.0	155.2	167.7	181.5	196.2
20°	72.4	85.2	100.3	114.1	125.3	135.5	146.4	159.1	172.7	187.3	203.4
17.5°	74.1	86.5	101.4	114.9	126.0	137.0	149.0	162.4	176.8	192.5	210.6
15°	75.6	88.2	102.4	115.3	126.8	138.4	151.2	165.1	180.3	197.3	218.0
12.5°	76.8	89.4	103.4	115.9	127.5	139.5	153.1	167.2	183.4	201.7	225.6
10°	77.7	90.2	103.8	116.4	128.3	140.9	154.8	169.0	186.0	205.5	232.6
7.5°	78.3	90.6	103.9	116.6	128.9	142.1	156.4	171.0	188.5	209.1	238.7
5°	78.6	90.6	103.7	116.4	129.2	142.9	157.5	172.5	190.7	212.2	244.7
2.5°	78.6	90.3	103.1	115.9	129.1	143.1	158.0	173.2	191.9	214.2	248.6
0°	78.3	89.6	102.1	115.0	128.5	142.9	158.0	173.2	192.2	214.9	250.2
-2.5°	80.0	91.8	104.0	116.5	129.7	144.1	159.4	174.9	193.6	216.2	251.6
-5°	81.4	93.8	105.7	117.6	130.5	144.8	160.2	175.9	194.1	216.1	250.4
-7.5°	82.5	95.4	107.1	118.4	130.8	144.8	160.2	176.3	193.7	214.7	246.6
-10°	83.2	96.7	108.2	119.0	130.8	144.4	159.8	176.0	192.7	212.5	241.1
-12.5°	83.5	97.6	109.2	119.3	130.4	143.6	158.6	174.6	190.9	209.5	234.6
-15°	83.4	98.0	110.1	119.6	129.9	142.2	156.6	172.3	188.5	205.8	227.6
-17.5°	82.9	97.9	110.7	119.8	129.1	140.6	154.0	169.1	185.6	201.9	220.5
-20°	82.0	96.7	110.8	120.0	128.4	138.7	151.1	165.6	181.3	196.2	212.7

REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	80.2	95.0	110.0	120.2	127.9	137.0	148.2	160.8	174.6	189.6	204.7
-25°	77.8	92.8	108.4	120.3	127.6	135.4	144.1	154.7	167.4	181.8	196.5
-27.5°	75.0	89.9	105.6	119.9	127.6	132.6	139.6	148.9	160.2	173.1	187.1
-30°	71.7	86.5	102.1	117.8	125.8	129.5	135.1	143.1	152.7	164.0	176.0
-32.5°	67.7	82.4	97.9	112.8	122.4	126.4	130.8	137.5	145.5	154.5	165.0
-35°	62.7	77.6	92.9	105.4	116.8	123.1	126.8	132.0	138.2	145.5	154.1
-37.5°	57.2	72.2	85.6	97.6	109.2	118.4	122.9	126.1	130.7	137.1	144.0
-40°	52.3	65.6	78.2	89.6	100.6	111.0	117.8	120.1	123.3	128.3	134.5
-42.5°	47.5	58.2	70.6	81.4	91.6	101.7	109.3	113.5	116.0	119.4	125.1
-45°	43.1	51.7	62.7	73.1	82.6	91.4	98.6	104.6	108.1	110.8	115.6
-47.5°	39.2	46.0	54.7	64.9	73.7	81.1	87.6	93.4	98.2	102.3	106.4
-50°	35.6	41.1	47.9	56.2	64.9	71.5	77.0	82.0	86.6	91.9	96.3
-52.5°	32.2	37.0	42.2	48.4	56.0	62.9	67.6	71.5	75.4	80.4	84.9
-55°	28.7	33.1	37.5	42.2	47.7	54.1	59.6	62.8	66.0	69.5	73.0
-57.5°	25.2	29.2	33.1	37.2	41.3	45.9	50.9	55.6	58.8	61.0	63.1
-60°	21.8	25.3	28.9	32.4	36.0	39.6	43.2	47.1	51.5	54.9	56.5
-62.5°	18.5	21.6	24.6	27.9	31.0	34.1	37.2	40.3	43.5	46.7	49.9
-65°	15.2	17.9	20.6	23.3	26.1	28.8	31.4	34.2	36.9	39.5	42.0
-67.5°	11.9	14.3	16.7	19.0	21.3	23.7	26.0	28.3	30.6	32.8	35.0
-70°	9.0	10.8	12.6	14.7	16.8	18.8	20.6	22.6	24.5	26.4	28.2
-72.5°	6.3	7.7	9.1	10.7	12.2	13.8	15.5	17.1	18.7	20.2	21.6
-75°	4.1	5.0	6.0	7.0	8.2	9.4	10.5	11.7	12.9	14.1	15.4
-77.5°	2.3	2.8	3.4	4.0	4.7	5.5	6.3	7.1	7.9	8.7	9.6
-80°	1.1	1.3	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.2	4.7
-82.5°	0.4	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1	1.2
-85°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3

REPORT NUMBER: P1217528 (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°
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°	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.6
85°	4.0	4.3	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.7	6.9
82.5°	8.1	8.7	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.7	13.1
80°	13.3	14.3	15.2	16.0	16.8	17.5	18.2	18.9	19.5	20.0	20.5
77.5°	19.3	20.4	21.6	22.6	23.7	24.7	25.6	26.3	27.1	27.8	28.4
75°	25.5	26.9	28.4	29.8	31.0	32.2	33.4	34.3	35.2	35.9	36.6
72.5°	32.0	33.7	35.4	37.1	38.6	40.0	41.3	42.5	43.6	44.5	45.3
70°	38.8	40.9	42.9	44.8	46.6	48.3	49.9	51.5	53.2	54.7	56.0
67.5°	46.1	48.6	51.0	53.8	56.9	60.2	63.2	65.4	67.3	69.3	71.2
65°	54.3	58.2	62.0	65.0	67.1	68.7	70.4	72.8	76.8	81.2	85.9
62.5°	63.6	66.5	68.5	70.0	72.5	75.4	78.6	82.5	89.3	96.4	103.5
60°	70.4	72.9	75.4	78.1	82.0	86.6	90.7	94.2	102.1	110.0	117.7
57.5°	78.4	82.6	86.7	89.8	93.1	97.5	101.4	105.0	112.1	119.4	126.0
55°	90.4	95.0	98.7	101.4	104.1	108.6	112.7	116.4	122.0	128.2	133.9
52.5°	102.8	106.6	109.9	112.8	115.7	120.0	124.1	127.8	132.3	138.3	143.7
50°	113.3	116.8	120.4	123.8	127.1	131.1	135.4	139.6	144.1	150.1	155.5
47.5°	122.5	126.4	130.4	134.2	138.0	142.3	147.7	152.8	157.5	164.0	170.0
45°	131.0	135.3	139.8	144.6	149.9	155.3	161.3	167.0	172.2	179.2	185.9
42.5°	138.9	144.0	149.9	156.4	162.8	168.8	175.8	183.1	189.8	196.6	203.2
40°	146.8	153.6	161.2	168.5	176.5	184.7	192.9	201.5	209.6	217.1	224.4
37.5°	155.8	164.3	172.8	182.4	192.0	201.9	212.4	223.4	234.8	247.1	258.9
35°	165.4	175.1	185.7	196.7	208.6	221.8	237.6	257.4	280.2	303.8	326.9
32.5°	175.0	186.6	198.6	212.1	228.5	250.8	282.3	320.6	361.4	402.5	442.3
30°	184.9	197.7	212.4	230.9	259.0	303.9	356.8	415.8	477.8	539.4	599.0
27.5°	194.3	209.3	228.7	259.1	310.6	378.6	455.4	535.3	617.2	698.7	778.3
25°	203.6	222.4	251.2	304.0	379.7	470.3	567.9	666.6	772.0	877.7	975.0
22.5°	213.5	238.4	284.2	360.3	461.4	570.2	684.8	811.6	944.5	1074.5	1192.9
20°	224.5	259.4	324.6	426.3	545.3	671.3	812.6	971.4	1132.7	1289.5	1448.7
17.5°	236.9	285.4	373.0	495.5	629.5	776.7	952.0	1141.7	1334.0	1547.1	1738.2
15°	250.5	313.5	424.0	562.3	710.0	889.2	1097.3	1318.4	1571.8	1822.0	2087.4
12.5°	265.7	343.5	472.5	624.4	791.8	1002.9	1240.0	1514.3	1806.5	2135.1	2466.9
10°	279.9	373.2	516.6	679.4	870.2	1109.8	1379.7	1694.0	2055.4	2448.0	2852.7
7.5°	291.9	397.7	553.8	726.3	942.1	1202.8	1507.0	1856.0	2277.9	2737.3	3205.4
5°	303.5	418.2	582.9	764.0	997.6	1274.3	1602.4	1987.5	2455.0	2965.4	3488.0
2.5°	311.2	432.4	603.7	793.2	1035.9	1321.2	1659.2	2069.7	2567.7	3112.0	3666.7
0°	313.8	436.5	611.4	804.8	1049.5	1336.6	1677.2	2095.1	2604.7	3165.1	3733.9
-2.5°	316.8	439.3	613.2	806.4	1043.9	1322.5	1657.5	2063.0	2561.0	3116.1	3678.1
-5°	314.2	431.7	601.0	791.0	1016.2	1279.7	1600.3	1974.9	2440.1	2962.5	3500.5
-7.5°	306.4	415.1	575.7	760.1	970.4	1213.4	1505.9	1843.9	2257.1	2726.3	3215.0
-10°	294.6	391.4	539.9	714.7	908.2	1127.8	1381.9	1683.2	2033.1	2434.8	2855.6
-12.5°	279.6	362.8	494.2	654.8	830.1	1029.2	1248.8	1508.2	1793.0	2119.6	2463.3
-15°	263.9	332.0	441.6	585.7	743.5	917.1	1109.4	1320.2	1561.8	1810.7	2077.4
-17.5°	248.7	300.9	389.2	512.0	651.0	799.8	964.5	1140.7	1329.3	1534.0	1725.1
-20°	235.1	273.2	339.7	437.0	557.0	684.6	818.8	964.7	1117.3	1271.0	1423.1

REPORT NUMBER: P1217528 (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°	223.3	250.2	296.1	368.1	466.0	572.8	683.4	798.8	917.7	1037.2	1150.7
-25°	211.9	231.8	262.2	311.6	380.5	466.2	558.6	649.8	740.6	831.5	915.1
-27.5°	200.7	216.3	237.2	267.8	312.6	371.5	441.3	514.9	587.1	655.3	718.0
-30°	189.1	202.4	217.9	237.4	264.2	301.3	345.1	394.9	448.7	501.4	548.5
-32.5°	176.4	189.0	201.4	215.5	232.5	253.3	279.7	309.8	341.5	373.7	405.6
-35°	164.1	174.7	186.1	197.3	209.6	223.0	238.0	255.3	274.1	292.5	310.3
-37.5°	152.1	161.5	170.9	180.5	190.6	200.7	211.0	221.6	232.3	243.1	253.6
-40°	141.7	149.1	157.0	165.4	173.4	181.8	189.7	197.9	205.4	212.4	218.9
-42.5°	131.7	138.2	144.4	151.6	158.9	165.7	171.9	178.4	184.2	189.9	195.4
-45°	121.3	127.3	133.4	139.8	145.8	151.5	157.4	163.0	167.7	172.3	176.6
-47.5°	110.8	115.7	122.2	128.5	134.2	139.4	144.5	149.3	153.5	158.0	162.0
-50°	100.2	104.4	110.6	116.7	122.4	127.7	132.7	137.0	141.0	144.8	148.1
-52.5°	88.8	93.3	99.2	104.9	110.2	115.8	120.9	125.5	129.7	133.2	136.3
-55°	76.5	81.7	87.2	92.2	97.3	103.3	108.8	113.6	118.1	122.1	125.7
-57.5°	65.5	69.9	74.6	79.2	84.3	90.1	95.4	100.4	105.9	111.0	115.4
-60°	58.0	60.5	63.6	66.9	71.3	76.4	81.3	86.1	92.2	98.0	103.5
-62.5°	52.7	54.7	56.3	58.0	60.8	64.2	67.9	71.9	77.4	82.6	87.7
-65°	44.8	47.6	50.1	52.1	53.9	55.7	57.7	60.1	63.3	66.8	70.3
-67.5°	37.3	39.4	41.6	43.8	45.9	48.0	49.8	51.5	53.0	54.6	56.2
-70°	30.0	31.8	33.5	35.3	36.9	38.3	39.8	41.1	42.2	43.3	44.2
-72.5°	23.1	24.6	26.0	27.3	28.6	29.8	30.9	31.9	32.8	33.6	34.2
-75°	16.6	17.7	18.8	19.8	20.7	21.7	22.6	23.3	24.1	24.7	25.3
-77.5°	10.3	11.1	11.8	12.6	13.4	14.1	14.8	15.3	15.9	16.3	16.7
-80°	5.2	5.7	6.2	6.6	7.0	7.5	7.8	8.2	8.5	8.8	9.1
-82.5°	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.6	2.7	2.8	2.9
-85°	0.2	0.2	0.2	0.2	0.2	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	0.1	0.1	0.1	0.1
-90°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5

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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°	2.7	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
85°	7.1	7.3	7.5	7.6	7.6	7.7	7.7	7.6	7.6	7.5	7.4
82.5°	13.5	13.7	13.9	14.1	14.1	14.1	14.1	14.0	13.8	13.6	13.3
80°	20.9	21.2	21.4	21.6	21.6	21.6	21.5	21.3	21.1	20.8	20.4
77.5°	28.9	29.3	29.6	29.8	29.8	29.7	29.6	29.3	29.0	28.6	28.1
75°	37.1	37.6	37.9	38.2	38.2	38.1	38.0	37.7	37.2	36.7	36.1
72.5°	45.9	46.5	46.9	47.2	47.2	47.1	46.8	46.5	45.9	45.3	44.6
70°	57.1	57.8	58.3	58.6	58.6	58.3	57.9	57.2	56.3	55.3	54.1
67.5°	73.2	75.2	76.9	78.4	77.2	75.7	74.0	72.1	69.9	67.9	66.1
65°	90.3	94.4	98.2	101.6	98.8	95.7	92.3	88.4	83.8	79.1	74.8
62.5°	110.0	115.9	121.4	126.5	122.5	118.0	113.1	107.1	100.0	92.7	85.6
60°	124.5	130.6	136.4	142.0	138.0	133.8	129.2	123.3	115.9	108.0	99.6
57.5°	131.8	136.9	141.6	146.2	143.3	140.2	136.8	132.2	126.4	119.9	113.1
55°	138.9	143.2	147.2	150.9	148.6	146.1	143.3	139.4	134.6	129.3	124.3
52.5°	148.6	152.9	156.6	160.0	157.9	155.5	152.6	148.5	143.9	138.8	134.4
50°	160.3	164.4	168.0	171.0	169.2	166.9	164.0	159.8	155.1	150.0	145.8
47.5°	175.5	180.3	184.3	187.7	185.8	183.1	179.7	174.6	169.1	163.1	158.5
45°	191.6	196.1	199.8	202.7	201.1	198.7	195.5	190.8	185.2	179.1	173.5
42.5°	208.5	212.6	215.6	217.6	216.6	214.8	211.9	207.6	202.3	196.3	190.2
40°	230.2	234.7	237.8	239.2	238.7	236.7	233.3	228.7	222.9	216.5	209.3
37.5°	268.8	276.7	281.6	283.1	282.8	279.1	272.8	264.5	254.2	244.2	233.8
35°	347.7	363.8	374.2	377.5	375.2	365.5	351.2	333.4	314.3	295.0	274.4
32.5°	478.0	507.0	526.9	535.3	529.7	511.7	484.9	451.5	416.1	380.2	344.9
30°	652.6	697.9	727.9	743.0	732.1	706.5	665.4	613.8	559.2	503.5	449.9
27.5°	846.8	901.0	934.8	950.7	937.6	906.0	855.8	792.5	722.9	650.7	576.1
25°	1058.9	1125.1	1167.0	1185.7	1172.5	1134.6	1072.3	995.0	905.0	809.7	715.9
22.5°	1298.1	1385.0	1448.1	1477.0	1459.5	1408.1	1328.0	1231.3	1118.0	997.6	872.5
20°	1589.1	1697.2	1780.2	1820.9	1804.8	1739.4	1634.2	1505.4	1359.4	1207.4	1051.8
17.5°	1931.3	2090.4	2208.3	2267.4	2248.7	2161.6	2020.1	1840.9	1641.5	1438.5	1245.3
15°	2337.1	2552.6	2713.0	2795.1	2771.2	2653.1	2471.6	2239.0	1975.6	1705.6	1451.7
12.5°	2785.0	3058.6	3259.4	3357.8	3324.8	3180.1	2955.3	2665.5	2338.2	1999.1	1678.0
10°	3234.4	3558.3	3785.3	3894.5	3851.2	3686.2	3426.9	3089.3	2698.4	2293.4	1904.4
7.5°	3643.3	4000.9	4239.7	4347.6	4292.6	4119.9	3842.0	3468.6	3026.7	2557.9	2107.5
5°	3964.4	4346.0	4593.3	4690.2	4623.4	4443.8	4156.0	3764.1	3285.6	2770.2	2271.4
2.5°	4170.4	4570.6	4824.6	4914.5	4851.8	4666.5	4364.5	3953.3	3452.7	2906.3	2376.0
0°	4248.4	4656.3	4916.8	5010.9	4948.5	4765.5	4452.1	4026.3	3508.1	2950.2	2410.4
-2.5°	4190.7	4597.4	4859.3	4944.0	4888.0	4708.6	4394.3	3961.6	3446.7	2898.3	2368.2
-5°	3994.7	4387.2	4641.9	4716.1	4663.9	4489.5	4185.8	3765.1	3271.9	2755.4	2258.0
-7.5°	3669.0	4039.8	4274.4	4344.3	4297.5	4134.9	3847.5	3456.0	3004.0	2537.4	2093.8
-10°	3251.5	3577.5	3787.1	3856.9	3821.9	3673.0	3412.4	3065.7	2675.0	2271.1	1893.2
-12.5°	2789.9	3061.4	3236.1	3298.3	3270.3	3142.9	2924.9	2638.5	2314.7	1984.4	1671.9
-15°	2329.8	2542.9	2680.8	2727.6	2707.7	2608.3	2436.1	2211.4	1957.0	1696.4	1452.6
-17.5°	1909.9	2065.1	2166.5	2201.0	2188.3	2115.4	1985.4	1815.3	1626.1	1431.1	1242.6
-20°	1562.1	1664.5	1729.5	1751.3	1742.2	1689.0	1596.6	1476.4	1338.2	1194.5	1049.1

REPORT NUMBER: P1217528 (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°
-22.5°	1249.7	1325.3	1371.9	1382.9	1377.2	1339.8	1275.8	1191.7	1090.8	982.6	870.0
-25°	987.2	1042.9	1075.4	1082.1	1081.1	1057.1	1014.3	952.7	879.5	796.9	712.5
-27.5°	773.6	815.3	841.5	849.8	849.1	831.3	799.4	754.8	701.6	640.0	570.3
-30°	591.7	624.0	646.1	654.6	655.8	643.3	619.3	583.8	540.9	494.5	444.4
-32.5°	434.6	456.6	470.6	474.2	478.2	471.9	457.2	435.1	408.1	377.7	346.2
-35°	325.2	336.3	342.6	343.0	348.5	348.2	342.6	332.4	317.9	300.5	281.2
-37.5°	262.5	269.2	273.0	273.7	277.6	278.1	275.1	268.9	260.4	250.2	239.6
-40°	224.4	228.7	231.5	232.6	234.6	234.7	233.0	229.6	224.6	218.5	211.6
-42.5°	199.9	203.5	206.2	207.8	208.5	208.0	206.3	203.5	199.4	194.2	188.5
-45°	180.3	184.1	187.2	189.5	188.8	187.2	184.6	181.7	177.8	173.1	168.6
-47.5°	165.5	169.1	172.1	174.6	172.7	170.1	166.7	163.6	159.7	155.2	151.6
-50°	151.1	154.3	156.9	159.1	156.8	154.0	150.5	147.4	143.7	139.6	136.1
-52.5°	139.1	141.8	144.1	146.1	143.3	140.0	136.2	133.1	129.7	125.8	122.7
-55°	128.9	132.0	134.9	137.4	133.6	129.6	125.1	121.5	117.9	113.7	109.9
-57.5°	119.7	124.2	128.2	132.0	126.9	121.5	115.8	111.1	106.9	102.1	97.3
-60°	109.1	115.3	121.0	126.5	120.2	113.6	106.8	101.0	96.2	91.1	85.7
-62.5°	93.6	99.9	105.9	111.5	106.0	100.1	94.0	88.6	84.1	79.5	74.9
-65°	74.5	79.1	83.6	87.6	84.2	80.5	76.5	72.7	69.6	66.5	63.6
-67.5°	58.3	60.5	62.5	64.3	63.2	61.8	60.3	59.0	57.7	56.7	55.9
-70°	44.9	45.4	45.8	45.9	46.4	46.8	46.9	46.8	46.4	45.8	45.0
-72.5°	34.8	35.2	35.5	35.6	35.9	36.1	36.2	36.1	35.9	35.6	35.1
-75°	25.8	26.2	26.4	26.6	26.9	27.0	27.1	27.0	26.9	26.6	26.3
-77.5°	17.1	17.4	17.6	17.7	18.0	18.2	18.3	18.3	18.2	18.1	17.9
-80°	9.3	9.5	9.6	9.7	10.0	10.1	10.3	10.4	10.4	10.4	10.3
-82.5°	3.0	3.0	3.1	3.1	3.3	3.5	3.7	3.8	4.0	4.0	4.1
-85°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4

REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-4000K-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°	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5
85°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.3	6.1	5.8	5.6
82.5°	13.0	12.8	12.6	12.2	11.9	11.5	11.1	10.7	10.3	9.8	9.4
80°	20.0	19.5	19.0	18.5	18.0	17.4	16.8	16.2	15.5	14.8	14.1
77.5°	27.5	26.9	26.2	25.5	24.7	24.0	23.1	22.2	21.2	20.2	19.2
75°	35.5	34.7	33.8	32.9	31.9	30.8	29.7	28.5	27.3	26.0	24.7
72.5°	43.7	42.8	41.7	40.6	39.3	38.0	36.6	35.1	33.6	32.0	30.5
70°	52.7	51.3	50.0	48.5	47.0	45.4	43.7	41.9	40.1	38.3	36.4
67.5°	64.4	62.6	60.5	58.2	55.7	53.4	51.2	49.0	47.1	44.8	42.5
65°	71.8	69.4	67.3	65.9	65.1	63.3	60.6	57.4	54.8	52.0	49.2
62.5°	81.1	77.0	73.6	70.8	69.5	68.3	67.3	66.4	64.4	61.0	57.2
60°	94.6	89.3	84.0	79.8	77.3	74.7	72.4	71.6	71.6	70.4	66.9
57.5°	108.2	102.7	96.6	92.1	88.6	85.1	81.5	80.3	79.1	77.6	75.7
55°	120.1	115.2	109.5	105.3	101.1	96.7	92.8	91.6	89.9	87.3	84.4
52.5°	130.6	126.3	121.4	117.5	113.1	108.4	104.9	102.8	100.9	98.5	95.9
50°	141.5	136.9	132.6	128.8	124.4	119.4	115.9	113.3	111.0	108.8	107.3
47.5°	153.6	148.3	144.0	139.6	134.9	130.4	126.4	122.6	119.7	117.9	117.0
45°	167.4	161.1	156.2	151.0	145.8	141.0	136.4	131.9	127.7	125.5	124.6
42.5°	183.2	176.4	169.8	163.3	157.1	151.9	146.5	141.1	136.3	132.6	130.8
40°	201.4	193.5	185.4	177.3	170.3	163.7	157.1	150.6	144.7	139.9	136.5
37.5°	223.3	213.0	202.9	193.1	184.7	176.8	168.8	161.0	153.7	147.3	142.4
35°	254.9	238.0	223.4	210.7	199.9	190.2	181.5	172.7	163.5	155.2	148.6
32.5°	310.2	278.3	251.9	231.9	216.2	204.0	194.0	184.9	174.6	164.0	154.2
30°	395.9	344.7	297.3	261.4	236.6	218.9	206.3	196.0	186.1	173.0	160.7
27.5°	506.1	435.4	365.8	306.5	264.2	236.7	218.9	206.6	195.6	182.3	167.7
25°	627.2	539.9	454.6	370.7	303.3	259.7	233.1	216.4	203.5	190.8	175.2
22.5°	756.2	652.6	550.5	448.7	356.0	290.1	250.4	226.4	211.1	198.1	183.1
20°	902.9	769.2	649.7	533.5	419.7	328.1	271.0	237.9	218.6	204.5	188.8
17.5°	1061.1	896.1	754.1	619.0	487.9	372.2	295.6	251.4	226.1	208.8	192.3
15°	1225.4	1024.9	855.6	702.1	554.8	419.3	323.2	265.6	232.8	212.4	195.0
12.5°	1392.5	1152.4	952.8	783.4	620.2	465.9	350.4	280.4	240.1	216.1	197.3
10°	1558.1	1274.2	1043.0	853.6	677.3	507.2	375.0	294.6	247.2	219.8	199.1
7.5°	1712.6	1383.2	1121.4	911.1	724.4	542.0	394.9	306.7	253.4	222.6	200.5
5°	1832.5	1470.3	1184.4	956.3	759.7	569.5	410.9	316.6	258.4	224.9	201.2
2.5°	1908.3	1526.6	1224.8	983.8	780.4	586.3	420.1	322.5	261.4	226.0	201.1
0°	1934.6	1546.9	1240.0	993.9	787.0	590.6	421.6	323.9	262.1	225.8	200.1
-2.5°	1906.6	1527.2	1226.9	983.3	777.8	585.2	419.7	322.3	261.3	225.3	199.9
-5°	1827.8	1472.9	1188.6	954.2	753.8	566.4	409.9	316.7	258.2	223.6	198.7
-7.5°	1707.9	1388.0	1127.1	906.1	720.5	536.1	393.3	307.2	252.9	220.5	196.6
-10°	1560.2	1282.1	1047.2	844.6	676.0	498.1	372.0	294.5	246.1	216.2	193.7
-12.5°	1396.9	1161.6	953.6	772.6	612.9	455.6	347.8	280.1	238.4	211.3	190.4
-15°	1230.7	1031.9	852.4	701.8	541.9	410.5	322.3	264.7	230.0	206.0	186.3
-17.5°	1066.3	899.2	750.2	611.5	475.4	367.7	295.9	250.4	221.4	200.1	181.8
-20°	905.8	771.1	648.5	522.0	411.4	327.8	271.9	236.6	212.6	193.8	177.0



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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°	757.4	652.8	543.7	440.9	353.8	292.1	251.5	224.0	203.8	186.6	171.3
-25°	626.7	535.2	448.6	367.6	305.4	262.9	233.7	212.4	194.9	179.3	164.6
-27.5°	501.6	431.0	363.3	309.0	269.1	239.9	218.2	201.1	185.8	171.5	157.9
-30°	392.9	344.2	301.3	267.4	241.7	221.0	204.5	189.7	176.5	163.1	151.7
-32.5°	313.7	284.4	259.1	237.7	219.9	205.2	191.3	178.6	166.3	155.2	146.4
-35°	262.2	245.1	229.3	215.1	202.1	190.0	178.8	167.3	156.5	148.0	142.2
-37.5°	228.5	217.4	206.7	196.1	185.7	175.7	165.9	156.1	148.0	142.2	137.8
-40°	203.6	195.3	186.9	178.8	170.3	161.7	153.6	146.8	141.3	137.0	132.8
-42.5°	182.3	175.8	169.2	162.5	155.5	148.9	143.2	139.1	135.3	131.0	126.8
-45°	163.5	158.1	153.0	147.8	142.7	138.4	134.9	131.6	128.2	124.1	119.5
-47.5°	147.5	142.9	138.8	135.3	132.2	129.3	126.2	123.0	119.8	116.0	110.0
-50°	132.9	129.5	126.6	124.3	121.9	119.0	116.2	113.4	110.3	105.5	98.2
-52.5°	120.3	117.7	114.5	112.5	110.3	107.9	105.6	102.7	98.4	92.8	86.0
-55°	107.7	104.9	101.7	100.1	98.5	96.4	93.5	90.0	85.6	80.5	75.3
-57.5°	95.1	92.7	89.8	88.0	86.4	84.0	80.9	77.7	74.2	70.5	66.7
-60°	83.8	81.4	78.6	76.2	74.6	72.5	70.2	67.8	65.1	61.9	58.1
-62.5°	72.5	70.4	68.1	66.0	64.8	63.3	61.5	59.3	56.7	53.2	49.4
-65°	61.9	60.7	59.3	58.0	57.3	55.9	53.6	50.6	47.6	44.7	42.0
-67.5°	55.1	54.1	52.6	50.7	48.5	46.2	44.0	41.9	39.9	37.6	35.3
-70°	44.0	42.8	41.6	40.4	39.1	37.6	36.0	34.3	32.6	30.9	29.1
-72.5°	34.5	33.7	32.9	31.9	30.9	29.8	28.6	27.4	26.1	24.7	23.2
-75°	25.9	25.4	24.8	24.1	23.4	22.5	21.6	20.7	19.7	18.6	17.5
-77.5°	17.7	17.4	17.0	16.5	16.1	15.5	14.9	14.3	13.6	12.9	12.1
-80°	10.2	10.1	10.0	9.7	9.5	9.2	8.9	8.6	8.2	7.9	7.5
-82.5°	4.1	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.7	3.6
-85°	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
-90°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

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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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.2
85°	5.3	5.0	4.7	4.5	4.2	3.9	3.5	3.1	2.8	2.5	2.2
82.5°	8.9	8.4	7.9	7.4	6.8	6.3	5.7	5.1	4.5	3.9	3.3
80°	13.3	12.5	11.6	10.7	9.9	9.0	8.1	7.3	6.5	5.7	4.7
77.5°	18.1	17.0	15.8	14.7	13.4	12.2	10.9	9.7	8.5	7.4	6.3
75°	23.3	21.9	20.4	18.9	17.3	15.7	14.1	12.4	10.9	9.3	7.8
72.5°	28.8	27.0	25.2	23.3	21.4	19.5	17.4	15.4	13.4	11.4	9.5
70°	34.3	32.3	30.2	27.9	25.6	23.3	20.9	18.5	16.1	13.7	11.4
67.5°	40.1	37.7	35.2	32.7	30.0	27.3	24.5	21.7	18.9	16.1	13.4
65°	46.3	43.3	40.4	37.5	34.4	31.3	28.2	25.0	21.8	18.6	15.5
62.5°	53.3	49.6	46.0	42.4	38.9	35.4	31.9	28.3	24.7	21.1	17.5
60°	62.3	57.4	52.3	47.9	43.6	39.6	35.6	31.6	27.7	23.6	19.7
57.5°	72.4	66.7	60.7	54.1	48.7	43.8	39.3	35.0	30.6	26.2	21.8
55°	81.8	77.2	70.0	62.6	54.4	48.4	43.1	38.3	33.5	28.7	23.9
52.5°	92.1	87.3	80.7	71.3	62.1	53.5	47.1	41.6	36.3	31.1	26.0
50°	104.1	98.6	91.5	81.1	70.0	59.9	51.4	44.9	39.1	33.6	28.2
47.5°	115.1	110.6	102.4	90.7	78.5	67.1	56.3	48.3	41.9	35.9	30.2
45°	123.9	121.5	112.8	100.4	87.3	74.0	62.5	51.9	44.6	38.2	32.1
42.5°	130.5	129.0	121.8	110.0	96.2	81.7	68.3	55.8	47.3	40.5	34.0
40°	135.4	133.4	128.5	118.9	105.2	89.5	73.4	60.4	50.1	42.6	35.8
37.5°	139.0	136.2	133.0	126.2	113.5	96.4	78.6	64.8	52.9	44.7	37.6
35°	142.6	138.6	136.1	131.5	121.1	102.0	83.4	68.5	55.8	46.7	39.2
32.5°	146.6	141.2	138.2	135.1	124.4	106.4	87.5	71.7	58.9	48.7	40.8
30°	151.0	144.2	140.1	135.9	125.8	109.7	91.1	74.7	61.8	50.6	42.2
27.5°	156.0	147.5	141.2	134.6	125.9	111.8	94.1	77.3	64.3	52.4	43.5
25°	161.5	150.5	141.1	133.5	125.3	112.8	96.2	79.3	66.2	54.1	44.7
22.5°	166.5	152.4	141.5	132.7	124.3	112.9	97.4	80.8	67.7	55.6	45.8
20°	170.3	154.8	142.1	132.1	123.2	112.4	97.9	82.0	68.9	57.1	46.8
17.5°	173.8	157.3	143.0	131.8	122.0	111.4	98.3	83.0	69.9	58.5	47.8
15°	176.7	159.3	143.9	131.5	121.0	110.5	98.0	83.5	70.6	59.5	48.6
12.5°	178.8	160.9	144.9	131.6	120.2	109.4	97.3	83.5	70.9	60.4	49.2
10°	180.1	162.1	145.7	131.4	119.4	108.1	96.1	83.1	71.0	60.9	49.8
7.5°	180.9	162.9	146.2	131.1	118.4	106.6	94.7	82.3	70.8	61.2	50.2
5°	181.0	163.0	146.2	130.4	117.2	104.8	92.9	81.2	70.3	61.3	50.4
2.5°	180.3	162.5	145.6	129.4	115.7	102.8	90.9	79.8	69.7	61.3	50.5
0°	178.9	161.3	144.5	128.0	113.9	100.5	88.6	78.1	68.8	61.0	50.5
-2.5°	178.9	161.4	144.7	128.7	115.1	101.9	89.7	78.6	68.9	60.9	50.3
-5°	178.2	160.9	144.3	129.0	115.9	103.0	90.6	78.9	68.9	60.6	50.0
-7.5°	176.8	159.8	143.4	129.0	116.4	103.8	91.2	78.9	68.7	60.1	49.6
-10°	174.9	158.2	142.2	128.7	116.6	104.2	91.4	78.6	68.3	59.4	49.0
-12.5°	172.4	155.9	140.6	128.1	116.6	104.5	91.2	78.0	67.7	58.6	48.2
-15°	169.3	153.2	139.1	127.5	116.4	104.3	90.6	77.0	67.0	57.5	47.4
-17.5°	165.4	150.2	137.5	127.1	116.2	103.6	89.5	75.9	66.1	56.3	46.4
-20°	161.1	147.3	136.1	126.5	115.8	102.7	88.0	74.6	65.0	55.0	45.3

REPORT NUMBER: P1217528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	156.6	144.4	134.9	125.8	114.9	101.1	85.9	72.9	63.6	53.4	44.1
-25°	151.8	142.1	133.8	125.0	113.6	98.8	83.3	71.0	61.9	51.7	42.8
-27.5°	147.2	139.5	132.9	123.9	111.3	95.6	80.3	69.0	59.7	49.9	41.3
-30°	143.2	136.9	130.8	122.1	108.1	91.9	77.3	66.8	57.2	48.0	39.8
-32.5°	139.9	134.2	127.6	118.4	103.7	87.3	74.0	64.4	54.7	45.9	38.1
-35°	136.7	130.8	123.5	112.6	98.1	82.5	70.6	61.3	52.0	43.8	36.4
-37.5°	133.1	126.8	117.8	105.2	90.9	77.7	67.2	57.9	49.1	41.5	34.6
-40°	128.4	121.3	110.4	97.0	83.7	72.6	63.5	54.4	46.3	39.1	32.7
-42.5°	121.7	113.6	101.3	88.4	77.0	67.8	59.1	50.7	43.4	36.7	30.7
-45°	112.9	103.3	91.6	80.3	70.9	62.9	54.7	47.1	40.4	34.3	28.8
-47.5°	101.7	92.2	82.2	73.0	65.3	57.5	50.1	43.5	37.4	31.9	26.7
-50°	90.0	81.6	73.8	66.6	59.3	52.3	45.8	39.9	34.4	29.5	24.6
-52.5°	79.1	72.6	66.4	59.9	53.3	47.2	41.7	36.3	31.5	27.0	22.6
-55°	70.2	64.8	59.0	53.1	47.5	42.5	37.5	32.8	28.6	24.4	20.5
-57.5°	62.0	56.9	51.7	46.8	42.3	37.8	33.6	29.6	25.7	22.0	18.3
-60°	53.6	49.2	45.1	41.2	37.2	33.4	29.8	26.3	22.8	19.6	16.3
-62.5°	45.9	42.6	39.3	35.8	32.4	29.3	26.2	23.0	20.0	17.1	14.2
-65°	39.3	36.4	33.6	30.7	28.0	25.3	22.5	19.9	17.2	14.7	12.2
-67.5°	33.0	30.7	28.4	26.1	23.6	21.4	19.1	16.8	14.5	12.4	10.3
-70°	27.3	25.4	23.4	21.5	19.6	17.6	15.7	13.8	12.0	10.1	8.5
-72.5°	21.7	20.2	18.7	17.1	15.5	13.9	12.4	11.0	9.5	8.1	6.8
-75°	16.4	15.3	14.0	12.8	11.7	10.6	9.4	8.3	7.3	6.2	5.3
-77.5°	11.4	10.6	9.8	9.0	8.2	7.5	6.8	6.0	5.3	4.5	3.8
-80°	7.1	6.7	6.3	5.8	5.3	4.8	4.3	3.8	3.4	3.1	2.6
-82.5°	3.3	3.2	2.9	2.8	2.7	2.6	2.4	2.2	2.1	1.9	1.7
-85°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.0
-87.5°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.2	0.2	0.2	0.3	0.3	0.4	0.4
87.5°	1.1	1.0	0.8	0.7	0.6	0.5	0.4
85°	1.8	1.5	1.3	1.0	0.8	0.6	0.4
82.5°	2.7	2.2	1.8	1.3	1.0	0.6	0.4
80°	3.8	3.0	2.3	1.7	1.2	0.7	0.4
77.5°	5.2	4.0	2.9	2.1	1.4	0.8	0.4
75°	6.5	5.1	3.7	2.5	1.6	0.9	0.4
72.5°	7.7	6.2	4.6	3.0	1.9	1.0	0.4
70°	9.2	7.2	5.5	3.5	2.2	1.1	0.4
67.5°	10.8	8.3	6.3	4.2	2.4	1.2	0.4
65°	12.4	9.6	7.1	4.8	2.7	1.3	0.4
62.5°	14.1	10.9	7.9	5.4	3.0	1.4	0.4
60°	15.8	12.2	8.8	6.0	3.3	1.5	0.4
57.5°	17.6	13.5	9.7	6.6	3.7	1.7	0.4
55°	19.3	14.9	10.7	7.1	4.0	1.8	0.4
52.5°	21.0	16.2	11.7	7.6	4.4	1.9	0.4
50°	22.8	17.6	12.6	8.2	4.7	2.0	0.4
47.5°	24.4	18.9	13.6	8.8	5.1	2.1	0.4
45°	26.1	20.1	14.5	9.4	5.4	2.2	0.4
42.5°	27.7	21.3	15.4	10.0	5.7	2.3	0.4
40°	29.2	22.5	16.2	10.6	6.0	2.3	0.4
37.5°	30.6	23.7	17.1	11.1	6.3	2.4	0.4
35°	31.9	24.8	17.9	11.6	6.5	2.5	0.4
32.5°	33.2	25.8	18.7	12.1	6.8	2.6	0.4
30°	34.4	26.7	19.4	12.6	7.0	2.7	0.4
27.5°	35.5	27.6	20.1	13.1	7.2	2.8	0.4
25°	36.5	28.5	20.7	13.5	7.4	2.9	0.4
22.5°	37.4	29.2	21.3	13.9	7.6	2.9	0.4
20°	38.2	29.9	21.8	14.2	7.7	3.0	0.4
17.5°	39.0	30.5	22.2	14.5	7.9	3.0	0.4
15°	39.6	31.0	22.6	14.7	8.0	3.1	0.4
12.5°	40.1	31.4	22.9	15.0	8.1	3.1	0.4
10°	40.5	31.8	23.2	15.1	8.2	3.2	0.4
7.5°	40.9	32.0	23.4	15.3	8.2	3.2	0.4
5°	41.1	32.2	23.5	15.4	8.3	3.2	0.4
2.5°	41.2	32.3	23.6	15.4	8.3	3.2	0.4
0°	41.2	32.3	23.6	15.4	8.3	3.2	0.4
-2.5°	41.0	32.1	23.5	15.3	8.3	3.2	0.4
-5°	40.7	31.9	23.3	15.2	8.2	3.2	0.4
-7.5°	40.3	31.6	23.1	15.1	8.1	3.1	0.4
-10°	39.8	31.2	22.7	14.8	8.0	3.1	0.4
-12.5°	39.2	30.7	22.4	14.6	7.9	3.1	0.4
-15°	38.5	30.1	21.9	14.3	7.8	3.0	0.4
-17.5°	37.7	29.5	21.4	14.0	7.6	3.0	0.4
-20°	36.8	28.7	20.9	13.6	7.5	2.9	0.4

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	35.8	27.9	20.3	13.3	7.3	2.8	0.4
-25°	34.7	27.0	19.7	12.8	7.1	2.8	0.4
-27.5°	33.5	26.0	19.0	12.3	6.8	2.7	0.4
-30°	32.3	25.0	18.2	11.8	6.6	2.6	0.4
-32.5°	31.0	24.0	17.4	11.3	6.4	2.5	0.4
-35°	29.5	22.9	16.6	10.8	6.1	2.4	0.4
-37.5°	28.0	21.8	15.7	10.3	5.8	2.3	0.4
-40°	26.5	20.5	14.8	9.7	5.5	2.2	0.4
-42.5°	24.8	19.3	13.9	9.1	5.2	2.1	0.4
-45°	23.3	18.0	13.0	8.5	4.8	2.0	0.4
-47.5°	21.7	16.7	12.0	7.8	4.5	1.9	0.4
-50°	19.9	15.4	11.1	7.3	4.2	1.8	0.4
-52.5°	18.2	14.0	10.1	6.7	3.9	1.7	0.4
-55°	16.5	12.7	9.2	6.2	3.5	1.6	0.4
-57.5°	14.8	11.4	8.2	5.6	3.2	1.5	0.4
-60°	13.1	10.1	7.3	5.0	2.9	1.4	0.4
-62.5°	11.5	8.9	6.5	4.4	2.6	1.3	0.4
-65°	9.9	7.6	5.7	3.8	2.3	1.2	0.4
-67.5°	8.3	6.5	4.9	3.3	2.1	1.1	0.4
-70°	6.9	5.5	4.0	2.8	1.8	1.0	0.4
-72.5°	5.6	4.4	3.3	2.4	1.6	0.9	0.4
-75°	4.3	3.5	2.6	2.0	1.3	0.8	0.4
-77.5°	3.2	2.6	2.1	1.6	1.1	0.7	0.4
-80°	2.3	1.9	1.6	1.2	0.9	0.6	0.4
-82.5°	1.5	1.3	1.1	1.0	0.7	0.5	0.4
-85°	1.0	0.9	0.8	0.7	0.6	0.5	0.4
-87.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-90°	0.5	0.5	0.5	0.5	0.5	0.4	0.4

(END OF REPORT)