

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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BK-5000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217530 (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-5000K-4H4V
Description: 15W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 80 CRI, 5000K
Ballast/Driver: -

Summary

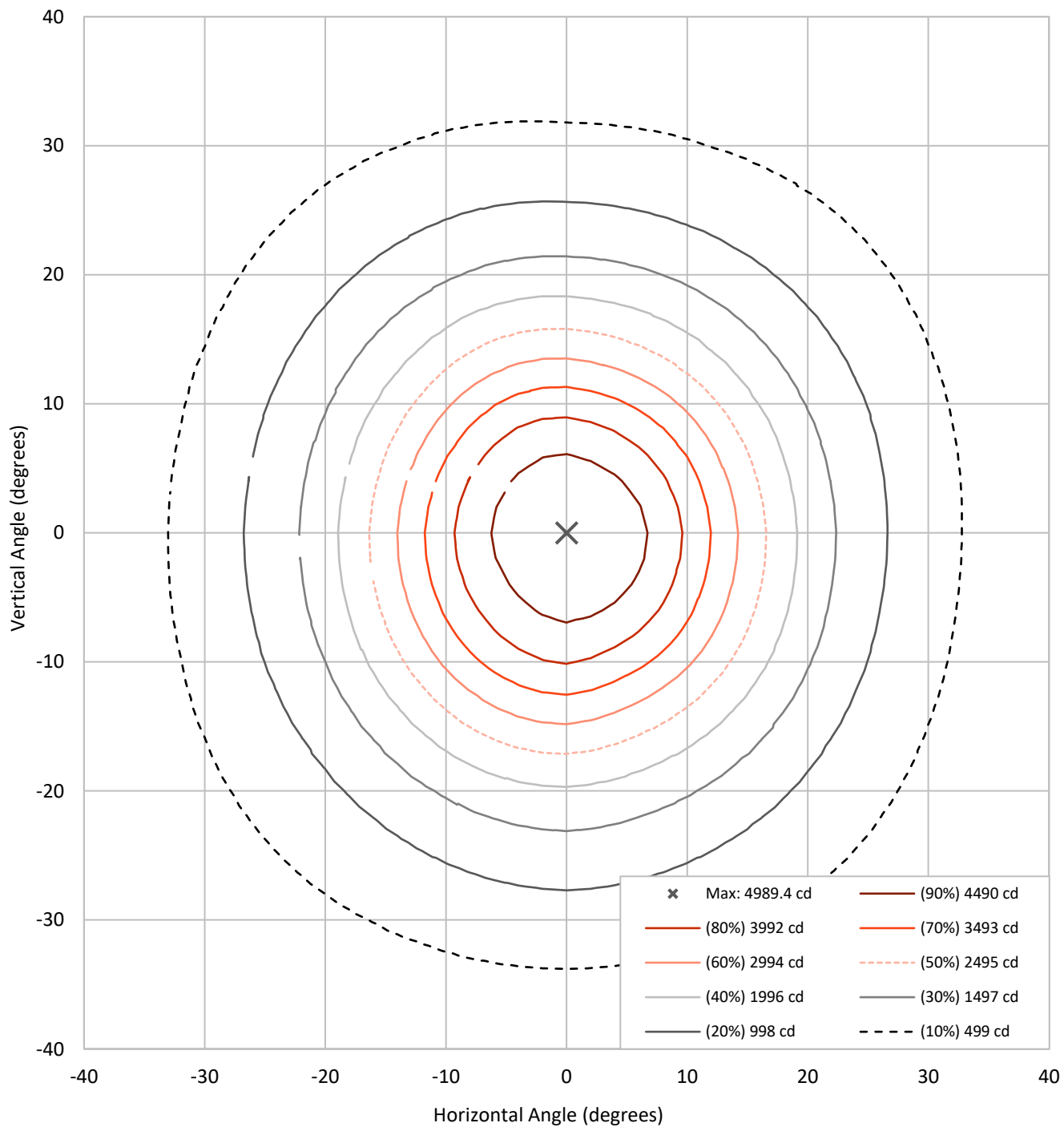
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	2370.3 lumens	Max Intensity:	4989.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.9 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	32.9°H x 32.9°V	Field Angle (10%):	65.6°H x 65.6°V
Beam Lumens:	917.3 lumens	Field Lumens:	1831.3 lumens
Beam Efficiency:	38.7%	Field Efficiency:	77.3%

Input Watts (W): 15.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



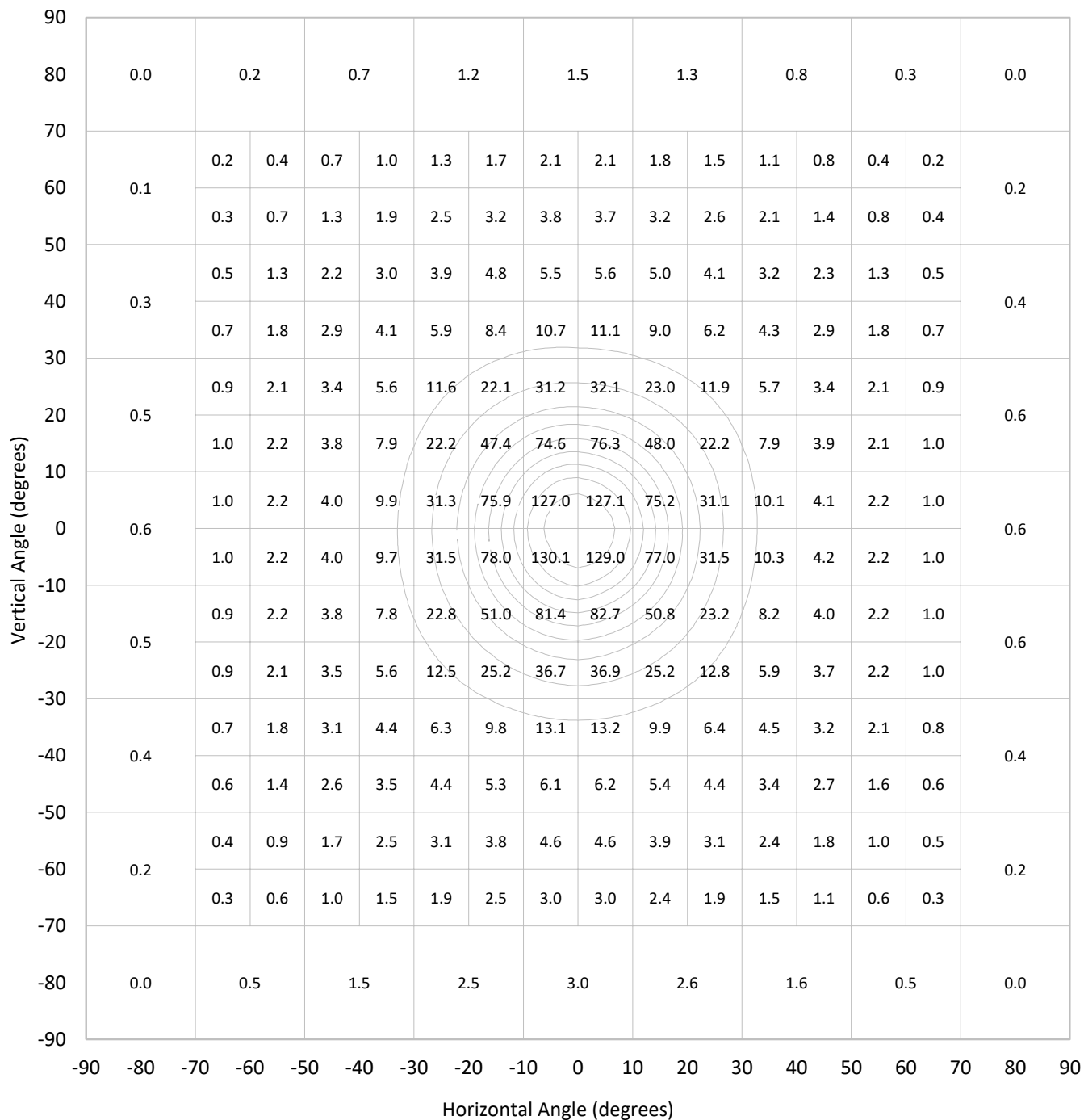
REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

Iso-Candela Plot



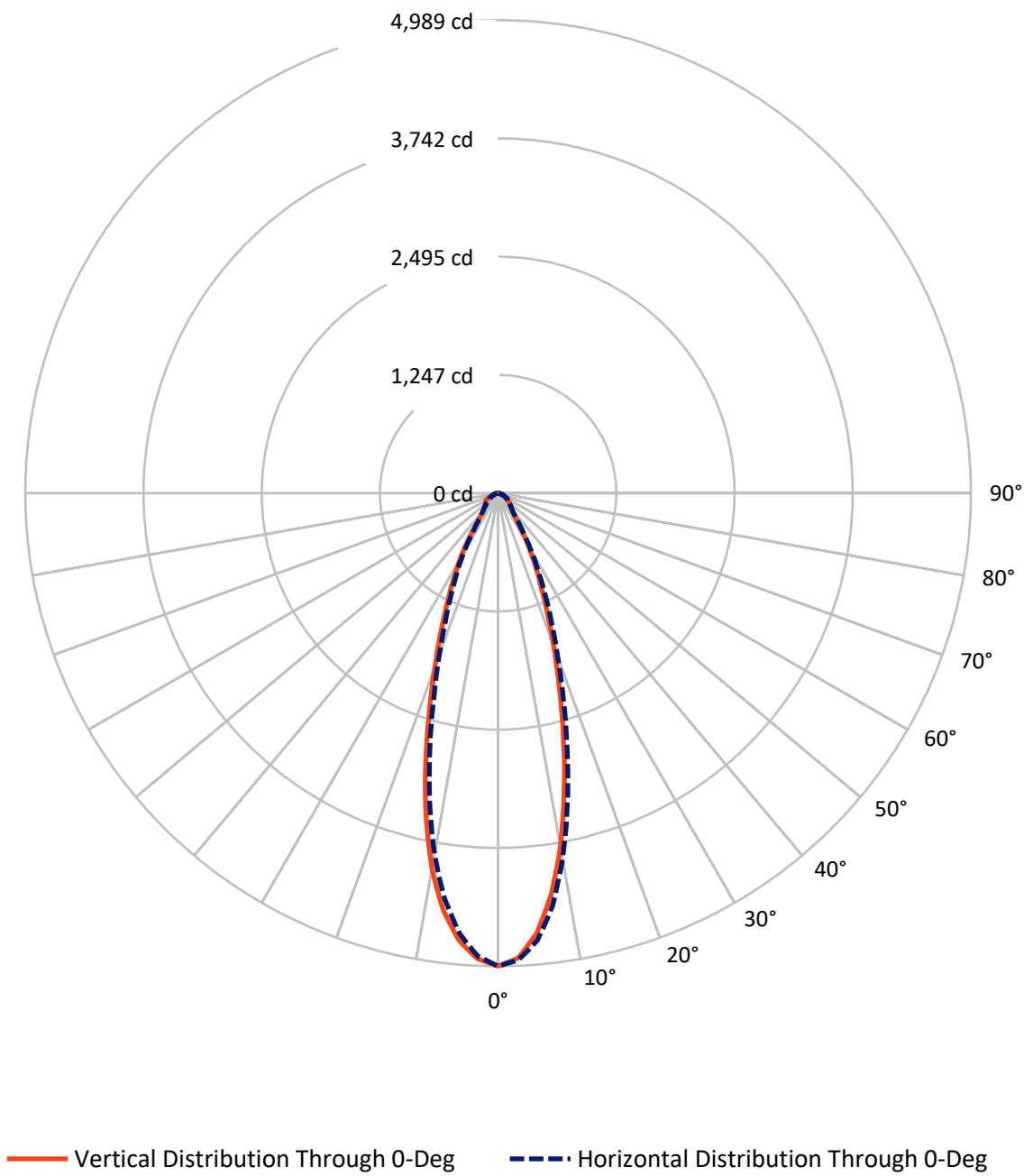
REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



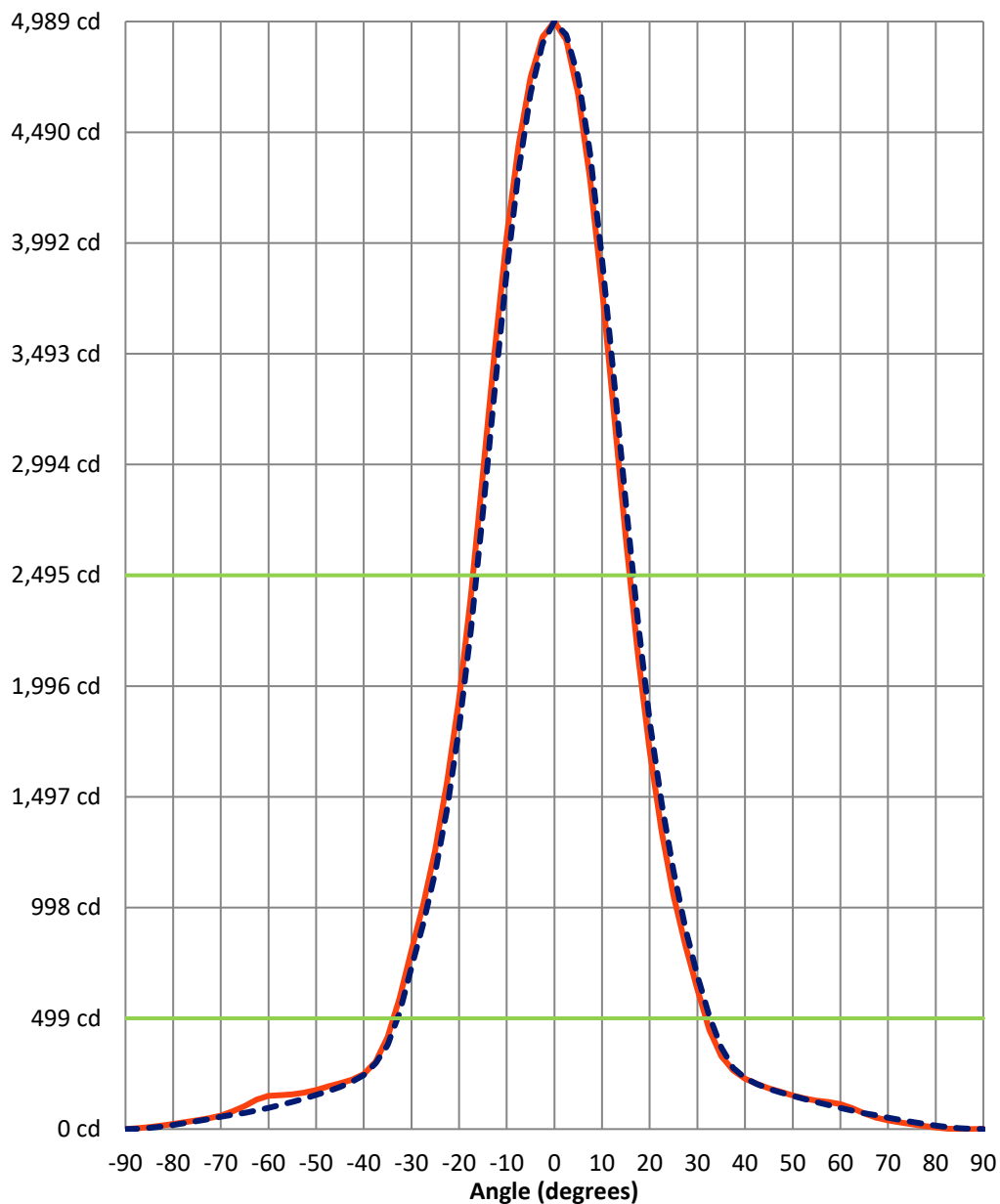
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 32.9°
V Angle: 32.9°
Lumens: 917.3
Efficiency: 38.7%

Field:

H Angle: 65.6°
V Angle: 65.6°
Lumens: 1831.3
Efficiency: 77.3%

Spill:

Lumens: 539.1
Efficiency: 22.7%

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



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CATALOG NUMBER: TRX15S-BK-5000K-4H4V

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4
82.5°	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0
80°	0.0	0.1	0.2	0.4	0.5	0.7	1.0	1.2	1.5	1.8	2.0
77.5°	0.0	0.1	0.3	0.5	0.8	1.2	1.5	2.0	2.4	2.9	3.3
75°	0.0	0.2	0.4	0.7	1.2	1.7	2.3	2.9	3.6	4.3	5.2
72.5°	0.0	0.2	0.5	1.0	1.5	2.3	3.1	4.0	5.0	6.1	7.1
70°	0.0	0.2	0.7	1.2	2.0	3.0	4.1	5.3	6.6	7.8	9.4
67.5°	0.0	0.3	0.8	1.5	2.5	3.8	5.2	6.7	8.2	10.0	11.9
65°	0.0	0.3	1.0	1.9	3.1	4.7	6.3	8.1	10.2	12.3	14.7
62.5°	0.0	0.4	1.1	2.2	3.8	5.6	7.5	9.8	12.2	14.8	17.7
60°	0.0	0.4	1.3	2.6	4.5	6.5	8.8	11.5	14.4	17.5	20.6
57.5°	0.0	0.5	1.5	3.0	5.2	7.5	10.3	13.4	16.7	20.1	23.7
55°	0.0	0.5	1.7	3.5	5.9	8.5	11.8	15.3	19.1	22.8	26.9
52.5°	0.0	0.6	1.9	4.0	6.6	9.6	13.3	17.3	21.3	25.7	30.0
50°	0.0	0.6	2.1	4.5	7.3	10.9	14.8	19.3	23.7	28.4	33.2
47.5°	0.0	0.7	2.3	5.0	8.0	12.0	16.5	21.2	26.2	31.2	36.6
45°	0.0	0.8	2.5	5.4	8.8	13.2	18.1	23.1	28.5	34.0	40.0
42.5°	0.0	0.8	2.8	5.9	9.6	14.3	19.6	25.1	30.8	36.8	43.4
40°	0.0	0.9	3.0	6.3	10.4	15.5	21.1	27.0	33.1	39.6	46.8
37.5°	0.0	0.9	3.2	6.7	11.2	16.6	22.5	28.8	35.3	42.3	50.3
35°	0.0	1.0	3.4	7.2	12.0	17.8	24.0	30.6	37.5	44.9	53.9
32.5°	0.0	1.0	3.7	7.6	12.7	18.9	25.4	32.3	39.5	47.6	57.2
30°	0.0	1.1	3.9	7.9	13.4	19.9	26.7	33.9	41.5	50.2	60.5
27.5°	0.0	1.1	4.1	8.3	14.1	20.9	28.0	35.5	43.4	52.8	63.2
25°	0.0	1.2	4.3	8.7	14.8	21.8	29.2	36.9	45.2	55.1	65.2
22.5°	0.0	1.2	4.5	9.1	15.4	22.6	30.3	38.2	46.9	57.4	66.9
20°	0.0	1.3	4.6	9.4	16.0	23.4	31.3	39.5	48.4	59.4	68.4
17.5°	0.0	1.3	4.8	9.8	16.5	24.1	32.3	40.6	49.9	61.1	69.9
15°	0.0	1.3	4.9	10.1	17.0	24.8	33.1	41.6	51.2	62.4	71.1
12.5°	0.0	1.3	5.1	10.3	17.5	25.4	33.9	42.4	52.4	63.3	72.1
10°	0.0	1.4	5.2	10.6	17.8	25.9	34.5	43.2	53.5	63.9	72.8
7.5°	0.0	1.4	5.2	10.8	18.1	26.4	35.1	43.9	54.3	64.3	73.2
5°	0.0	1.4	5.3	10.9	18.4	26.7	35.5	44.4	55.0	64.6	73.3
2.5°	0.0	1.4	5.4	11.0	18.6	27.0	35.9	44.8	55.4	64.7	73.2
0°	0.0	1.4	5.4	11.1	18.7	27.2	36.1	45.0	55.7	64.7	72.9
-2.5°	0.0	1.4	5.4	11.1	18.7	27.2	36.1	45.1	55.9	65.4	74.2
-5°	0.0	1.4	5.4	11.1	18.7	27.2	36.1	45.0	56.0	65.9	75.4
-7.5°	0.0	1.4	5.4	11.0	18.6	27.0	35.9	44.8	55.8	66.2	76.2
-10°	0.0	1.4	5.3	10.9	18.4	26.8	35.6	44.5	55.4	66.3	76.8
-12.5°	0.0	1.4	5.3	10.8	18.2	26.5	35.2	44.0	54.7	66.2	77.0
-15°	0.0	1.4	5.2	10.6	17.9	26.1	34.7	43.5	53.9	65.9	76.9
-17.5°	0.0	1.3	5.1	10.4	17.6	25.6	34.1	42.8	52.9	65.3	76.4
-20°	0.0	1.3	4.9	10.1	17.2	25.1	33.5	42.0	51.7	64.4	75.5



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CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.3	4.8	9.9	16.7	24.5	32.7	41.0	50.4	62.9	74.2
-25°	0.0	1.3	4.6	9.5	16.2	23.8	31.8	40.0	49.0	61.0	72.7
-27.5°	0.0	1.2	4.5	9.2	15.6	23.0	30.9	38.9	47.5	58.7	70.9
-30°	0.0	1.2	4.3	8.8	15.0	22.2	29.8	37.6	45.8	56.2	68.9
-32.5°	0.0	1.1	4.1	8.5	14.4	21.3	28.7	36.2	44.1	53.5	66.4
-35°	0.0	1.1	3.9	8.1	13.7	20.4	27.5	34.8	42.2	50.9	63.0
-37.5°	0.0	1.0	3.7	7.7	13.0	19.4	26.2	33.2	40.3	48.3	59.1
-40°	0.0	1.0	3.4	7.3	12.3	18.3	24.8	31.5	38.3	45.7	55.0
-42.5°	0.0	0.9	3.2	6.9	11.5	17.2	23.4	29.8	36.3	43.1	51.2
-45°	0.0	0.9	3.0	6.5	10.7	16.0	21.9	28.0	34.1	40.5	47.7
-47.5°	0.0	0.8	2.7	6.0	9.9	14.8	20.4	26.1	31.9	37.9	44.4
-50°	0.0	0.7	2.5	5.5	9.1	13.6	18.8	24.2	29.7	35.3	41.1
-52.5°	0.0	0.7	2.3	5.0	8.3	12.5	17.2	22.2	27.3	32.6	37.9
-55°	0.0	0.6	2.0	4.5	7.6	11.3	15.6	20.2	25.0	29.8	34.7
-57.5°	0.0	0.5	1.8	4.0	6.9	10.1	13.9	18.2	22.6	27.1	31.5
-60°	0.0	0.5	1.6	3.5	6.1	8.9	12.4	16.2	20.2	24.3	28.4
-62.5°	0.0	0.4	1.4	3.0	5.3	7.9	10.8	14.2	17.8	21.5	25.2
-65°	0.0	0.4	1.2	2.6	4.5	6.9	9.4	12.3	15.4	18.7	22.0
-67.5°	0.0	0.3	1.1	2.2	3.8	5.9	8.0	10.4	13.1	16.0	18.9
-70°	0.0	0.3	0.9	1.8	3.1	4.8	6.7	8.7	11.0	13.3	15.8
-72.5°	0.0	0.2	0.7	1.5	2.5	3.8	5.4	7.1	8.9	10.9	12.9
-75°	0.0	0.2	0.6	1.2	2.0	2.9	4.2	5.6	7.1	8.6	10.2
-77.5°	0.0	0.1	0.4	0.9	1.5	2.2	3.1	4.1	5.4	6.6	7.7
-80°	0.0	0.1	0.3	0.6	1.0	1.6	2.2	2.9	3.6	4.6	5.6
-82.5°	0.0	0.1	0.2	0.4	0.6	1.0	1.4	1.9	2.4	2.9	3.5
-85°	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.0	1.3	1.6	2.0
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8
-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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
82.5°	1.1	1.2	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.8	1.9
80°	2.3	2.5	2.8	3.1	3.5	4.0	4.4	4.8	5.2	5.6	6.0
77.5°	3.9	4.5	5.2	5.9	6.5	7.1	7.8	8.5	9.2	9.9	10.5
75°	6.1	6.9	7.8	8.7	9.8	10.7	11.8	12.9	14.0	15.0	16.0
72.5°	8.3	9.5	10.8	12.2	13.7	15.1	16.6	18.0	19.4	20.7	22.0
70°	11.0	12.6	14.4	16.2	18.0	19.8	21.5	23.3	25.0	26.6	28.2
67.5°	13.9	16.0	18.2	20.3	22.5	24.6	26.6	28.8	30.9	32.9	34.9
65°	17.2	19.6	22.0	24.7	27.1	29.7	32.3	34.9	37.4	39.8	42.4
62.5°	20.5	23.4	26.2	29.1	32.2	35.3	38.3	41.2	44.7	48.1	51.3
60°	23.9	27.2	30.5	34.0	37.7	41.2	44.9	48.9	53.1	56.5	59.4
57.5°	27.4	31.1	35.1	39.2	43.3	48.0	52.7	57.3	61.4	65.2	68.7
55°	31.0	35.4	39.9	44.6	50.0	55.6	60.9	65.8	70.5	75.3	80.0
52.5°	34.7	39.8	45.0	51.0	57.2	63.4	69.2	75.1	81.7	87.8	92.8
50°	38.6	44.3	50.7	57.6	64.6	71.3	78.8	87.0	94.5	100.6	104.6
47.5°	42.5	49.2	56.6	64.3	72.0	80.8	90.7	99.5	106.6	111.0	113.9
45°	46.7	54.4	62.6	70.7	80.4	92.3	102.7	110.8	115.6	119.1	122.9
42.5°	51.1	59.7	68.3	77.9	90.5	103.5	113.3	118.9	122.5	126.8	131.5
40°	55.4	64.8	74.0	86.4	100.6	113.1	121.1	124.8	129.0	134.0	139.0
37.5°	59.8	69.3	80.7	95.5	109.5	119.9	125.9	130.2	135.1	140.5	147.7
35°	63.6	73.5	88.1	103.8	116.6	124.4	129.6	135.2	140.8	148.3	158.0
32.5°	66.9	78.2	94.8	111.1	121.8	127.6	133.1	139.5	147.4	157.3	170.0
30°	69.8	82.8	100.1	115.9	125.2	130.5	136.7	144.5	154.6	167.6	181.2
27.5°	72.7	87.2	104.3	118.5	127.1	133.3	140.5	150.2	162.8	177.4	191.9
25°	75.7	91.2	107.3	119.7	128.0	135.9	144.9	156.4	171.0	186.0	202.5
22.5°	78.3	94.2	109.3	120.4	129.0	138.0	149.3	163.0	178.5	194.5	212.5
20°	80.6	96.4	110.6	120.9	130.2	140.5	153.4	168.9	185.1	202.4	223.0
17.5°	82.5	97.9	111.1	121.4	131.5	143.2	157.6	173.9	190.9	210.0	234.0
15°	84.1	98.8	111.4	121.9	132.7	145.8	161.4	178.0	196.1	217.0	245.5
12.5°	85.1	99.2	111.5	122.6	134.1	148.2	164.5	181.4	200.6	223.9	257.5
10°	85.7	99.1	111.4	123.1	135.4	150.5	167.1	184.4	204.7	229.9	269.0
7.5°	85.7	98.7	111.1	123.4	136.4	152.3	169.0	187.0	208.1	235.7	279.8
5°	85.4	98.0	110.6	123.4	137.1	153.5	170.2	188.8	210.8	240.1	288.7
2.5°	84.8	96.9	109.8	123.1	137.3	154.1	170.7	189.7	212.4	242.7	294.6
0°	83.8	95.5	108.7	122.4	137.0	154.1	170.5	189.7	212.9	243.5	296.9
-2.5°	85.8	97.8	110.7	123.9	138.3	155.2	171.9	191.0	213.6	243.6	296.4
-5°	87.5	99.8	112.4	125.1	139.0	155.6	172.6	191.5	213.1	241.8	292.1
-7.5°	88.9	101.5	113.8	125.9	139.3	155.5	172.5	191.1	211.7	238.3	284.6
-10°	89.9	103.0	115.0	126.5	139.1	154.9	171.6	190.1	209.5	233.9	274.8
-12.5°	90.5	104.0	116.0	126.9	138.6	153.7	170.3	188.8	207.2	228.8	263.5
-15°	90.7	104.8	116.8	127.2	138.2	152.4	168.5	186.7	204.4	223.4	251.9
-17.5°	90.5	105.0	117.9	127.8	137.8	150.7	166.1	184.2	201.4	218.3	240.6
-20°	89.7	105.5	119.0	128.6	137.6	149.0	163.3	180.7	197.7	212.0	229.7

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CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	88.9	105.4	119.7	129.6	137.5	147.3	160.2	175.2	191.5	205.5	220.2
-25°	87.6	104.6	120.1	130.5	137.7	145.9	156.0	168.8	184.5	198.6	211.7
-27.5°	85.6	102.9	119.7	131.6	138.6	143.7	151.6	162.6	176.3	190.9	202.8
-30°	83.0	100.3	118.2	132.1	138.0	141.4	147.6	156.6	168.2	181.7	192.8
-32.5°	79.8	96.8	115.4	130.3	136.4	139.4	144.0	151.3	160.5	170.6	181.7
-35°	76.0	92.5	111.0	125.2	133.8	137.7	140.9	146.6	152.8	160.8	170.1
-37.5°	71.8	87.4	103.8	118.6	129.8	135.5	138.5	141.3	146.0	152.1	159.4
-40°	67.6	81.3	95.9	110.6	123.6	132.1	135.6	136.5	139.4	144.2	149.9
-42.5°	62.6	74.6	88.1	101.9	115.4	126.5	130.5	131.6	133.3	136.7	141.4
-45°	56.9	68.4	80.4	93.0	105.8	117.1	122.9	125.5	127.0	129.2	133.2
-47.5°	51.9	61.9	72.7	84.4	95.9	105.2	112.5	117.1	119.5	121.8	125.0
-50°	47.5	55.3	65.3	75.8	86.1	93.4	100.3	106.1	109.8	113.2	116.1
-52.5°	43.5	49.8	57.7	67.1	76.3	83.3	88.5	93.6	98.4	102.4	105.5
-55°	39.7	45.0	51.2	58.8	66.5	74.1	79.2	82.3	86.1	90.2	93.4
-57.5°	36.0	40.7	45.7	51.3	57.5	64.1	70.5	74.6	76.8	78.5	80.9
-60°	32.4	36.5	40.8	45.2	49.9	54.9	60.3	65.8	70.3	71.8	72.0
-62.5°	28.9	32.5	36.2	39.9	43.7	47.6	51.6	55.7	60.3	64.7	67.7
-65°	25.3	28.6	31.8	35.0	38.3	41.4	44.6	47.8	50.9	54.0	57.6
-67.5°	21.8	24.8	27.7	30.4	33.2	35.8	38.5	41.1	43.7	46.2	48.6
-70°	18.4	20.9	23.4	25.9	28.3	30.6	32.8	35.0	37.2	39.3	41.3
-72.5°	15.1	17.2	19.3	21.4	23.5	25.5	27.4	29.3	31.2	32.9	34.6
-75°	11.9	13.7	15.5	17.1	18.9	20.5	22.2	23.8	25.2	26.7	28.1
-77.5°	9.0	10.4	11.8	13.1	14.5	15.9	17.1	18.3	19.6	20.7	21.9
-80°	6.5	7.4	8.4	9.4	10.4	11.4	12.4	13.3	14.3	15.2	16.0
-82.5°	4.2	4.9	5.6	6.3	6.9	7.6	8.2	8.8	9.4	10.1	10.6
-85°	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.2	5.6	6.0	6.3
-87.5°	1.0	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.7
-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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
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°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
82.5°	2.0	2.1	2.2	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5
80°	6.4	6.7	7.1	7.4	7.7	8.0	8.2	8.3	8.3	8.4	8.3
77.5°	11.2	11.9	12.5	13.0	13.5	13.9	14.2	14.5	14.7	14.9	14.9
75°	17.0	17.9	18.8	19.6	20.3	21.0	21.6	22.0	22.3	22.6	22.7
72.5°	23.3	24.5	25.6	26.6	27.6	28.6	29.4	30.0	30.4	30.7	30.9
70°	29.8	31.4	32.9	34.2	35.4	36.5	37.5	38.4	39.4	40.1	40.5
67.5°	36.9	38.8	41.0	43.2	45.2	47.0	48.4	49.3	49.7	49.9	50.2
65°	45.4	48.2	50.6	52.0	52.9	54.0	55.1	56.3	58.1	59.9	61.7
62.5°	53.9	55.9	57.7	59.2	61.1	63.0	64.9	66.9	70.1	73.4	76.6
60°	62.1	64.7	66.9	69.0	71.4	74.0	76.2	78.2	82.4	86.5	90.4
57.5°	71.8	75.3	78.2	80.5	82.6	85.5	87.9	90.0	94.5	99.0	103.0
55°	84.0	87.5	90.4	92.4	94.3	97.6	100.5	103.0	106.7	110.7	114.0
52.5°	96.6	99.4	101.9	104.4	106.9	110.5	113.7	116.2	119.1	122.8	126.0
50°	107.3	110.0	113.5	116.9	119.7	122.8	126.2	129.5	132.8	136.9	140.4
47.5°	117.3	121.2	124.8	128.3	131.7	135.8	140.5	144.9	148.9	153.5	157.2
45°	127.1	131.1	135.1	140.1	145.5	151.1	156.9	162.3	167.1	172.0	176.0
42.5°	135.8	140.8	147.2	154.3	161.6	168.7	175.7	182.1	188.0	193.6	198.5
40°	145.2	152.8	161.7	170.9	179.5	187.9	196.6	205.0	212.2	218.7	224.0
37.5°	156.5	167.1	177.4	187.7	198.6	209.3	220.1	231.2	242.0	252.5	261.2
35°	170.1	181.5	193.3	206.0	219.3	234.1	250.5	268.5	287.8	306.3	321.1
32.5°	182.6	196.0	210.0	225.9	245.2	267.7	295.5	326.9	359.6	391.2	419.6
30°	195.3	210.6	228.6	251.1	279.9	318.9	366.6	420.7	473.4	523.9	566.7
27.5°	207.8	226.5	251.3	284.5	332.3	397.9	471.9	544.7	617.8	686.7	740.5
25°	220.8	245.4	280.1	333.2	410.1	498.5	590.7	683.1	768.8	853.5	930.5
22.5°	235.5	268.1	319.3	398.5	500.2	607.7	716.6	828.3	944.1	1056.9	1159.5
20°	251.7	296.8	368.5	472.5	595.6	720.2	852.9	995.7	1142.8	1289.7	1431.2
17.5°	270.4	330.6	424.1	553.6	693.4	840.0	1002.2	1178.2	1361.8	1556.8	1752.6
15°	291.7	365.6	484.2	636.2	791.2	963.3	1156.4	1366.7	1602.5	1860.3	2124.1
12.5°	313.8	402.6	546.0	713.4	885.4	1083.6	1306.7	1565.6	1863.5	2190.4	2518.1
10°	334.5	439.9	604.6	781.3	973.2	1195.7	1454.9	1765.3	2127.0	2518.5	2920.4
7.5°	352.2	472.8	654.1	838.8	1047.9	1292.1	1589.4	1950.5	2369.0	2829.1	3286.3
5°	366.8	499.7	692.1	883.9	1106.6	1370.7	1700.6	2102.7	2577.6	3085.7	3584.1
2.5°	376.0	518.0	717.2	914.2	1143.9	1423.6	1775.7	2206.6	2719.2	3258.3	3784.0
0°	379.1	524.1	727.7	926.8	1158.3	1444.9	1807.2	2252.5	2779.4	3335.7	3864.3
-2.5°	378.7	523.8	723.4	920.8	1147.9	1431.7	1791.8	2234.3	2754.0	3303.3	3819.3
-5°	372.0	511.0	707.0	898.4	1115.4	1386.2	1730.2	2152.0	2645.1	3168.7	3664.1
-7.5°	359.9	488.4	676.3	859.8	1062.1	1311.7	1627.3	2014.5	2466.1	2944.7	3411.7
-10°	344.4	459.1	633.0	809.0	994.7	1215.7	1495.9	1838.0	2233.5	2659.7	3080.3
-12.5°	324.1	424.0	580.0	746.0	915.5	1108.5	1347.7	1635.6	1968.0	2331.6	2691.1
-15°	301.7	386.4	520.6	675.2	827.7	995.4	1196.0	1431.1	1698.9	1989.6	2287.1
-17.5°	279.8	347.6	458.4	596.8	735.2	879.1	1044.8	1237.8	1446.5	1669.8	1897.5
-20°	259.4	310.0	396.4	515.5	639.9	761.8	899.8	1055.8	1223.5	1393.5	1559.2

REPORT NUMBER: P1217530 (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°	241.9	278.2	339.5	434.3	544.5	654.0	762.1	885.3	1020.3	1155.6	1281.7
-25°	227.1	251.8	292.9	360.2	450.8	544.7	640.2	735.4	837.5	943.6	1043.5
-27.5°	214.8	231.4	257.7	300.0	363.2	441.6	520.6	601.2	686.0	761.1	839.4
-30°	203.3	215.6	232.5	257.5	295.8	349.3	409.0	471.4	534.5	601.7	668.0
-32.5°	191.8	202.0	214.2	229.5	250.7	280.6	318.8	362.2	404.6	447.8	490.4
-35°	179.5	189.0	198.8	209.8	222.8	238.9	259.1	283.8	310.0	335.2	359.1
-37.5°	167.5	175.8	184.3	193.0	203.2	214.1	225.4	237.9	251.1	265.2	278.6
-40°	156.5	163.3	170.1	177.7	186.4	195.0	203.5	212.3	220.4	227.9	234.8
-42.5°	146.7	152.2	157.6	164.0	171.0	178.1	185.6	193.0	199.5	205.8	211.5
-45°	137.7	142.1	146.9	152.2	157.6	162.9	169.5	176.1	182.1	188.3	193.9
-47.5°	128.7	132.7	137.1	141.7	146.0	150.4	155.8	160.9	165.9	172.1	177.9
-50°	119.1	122.7	127.7	132.0	135.7	139.9	144.4	148.5	152.7	157.9	162.8
-52.5°	108.4	112.3	117.3	121.9	125.8	130.5	134.6	138.3	142.5	147.5	152.0
-55°	95.9	100.5	105.5	110.2	114.6	120.6	125.5	129.6	134.4	139.3	143.8
-57.5°	83.5	88.1	92.4	96.6	101.7	108.2	114.1	119.2	126.0	132.4	138.0
-60°	73.0	76.1	79.6	83.1	87.9	93.5	99.2	104.7	113.4	121.6	129.2
-62.5°	68.6	69.6	70.4	71.6	74.9	79.2	83.6	88.5	95.5	102.7	109.9
-65°	61.7	65.3	67.3	67.9	69.2	70.7	72.4	74.6	78.6	83.4	88.2
-67.5°	51.0	53.7	56.8	60.1	63.2	65.5	67.1	68.2	69.5	71.0	72.9
-70°	43.3	45.2	47.1	48.8	50.6	52.5	54.4	56.2	57.8	59.0	60.0
-72.5°	36.2	37.8	39.3	40.7	42.1	43.3	44.5	45.5	46.4	47.1	47.8
-75°	29.5	30.8	32.0	33.2	34.3	35.3	36.2	37.0	37.7	38.3	38.9
-77.5°	23.0	24.1	25.0	25.9	26.8	27.6	28.4	29.1	29.7	30.2	30.6
-80°	16.8	17.6	18.3	19.0	19.7	20.3	20.9	21.4	21.8	22.3	22.6
-82.5°	11.2	11.8	12.3	12.8	13.2	13.6	14.0	14.4	14.7	15.0	15.3
-85°	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3	8.5	8.6	8.7
-87.5°	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.6	3.7	3.8	3.8
-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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
82.5°	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.4
80°	8.2	8.1	7.9	7.6	7.6	7.5	7.3	7.1	7.0	6.8	6.5
77.5°	14.9	14.8	14.6	14.3	14.2	14.0	13.8	13.5	13.2	12.8	12.4
75°	22.7	22.5	22.3	22.0	21.8	21.6	21.3	20.9	20.5	20.1	19.5
72.5°	31.0	30.9	30.6	30.3	30.1	29.9	29.5	29.0	28.5	27.9	27.2
70°	40.6	40.3	40.0	39.4	39.2	38.9	38.4	37.7	37.1	36.2	35.2
67.5°	50.6	51.1	51.5	51.7	51.2	50.4	49.5	48.6	47.5	46.3	45.1
65°	64.0	66.5	68.8	70.9	68.7	66.2	63.5	60.8	58.4	55.9	53.5
62.5°	80.7	85.5	90.0	94.2	90.4	86.1	81.6	77.3	73.2	69.0	64.7
60°	95.3	101.3	107.0	112.4	108.1	103.3	98.1	93.2	88.5	83.6	78.4
57.5°	107.3	112.5	117.4	122.0	118.5	114.7	110.5	106.6	102.6	97.9	92.8
55°	117.2	121.2	124.8	128.0	125.7	123.1	120.0	117.1	113.9	110.2	106.1
52.5°	128.9	132.5	135.5	138.1	136.2	133.9	131.2	128.6	125.5	121.9	118.1
50°	143.3	146.7	149.4	151.5	149.5	147.0	144.0	141.0	137.7	133.8	130.2
47.5°	160.3	163.6	166.1	167.9	165.6	162.7	159.2	155.7	151.7	147.2	143.0
45°	178.9	181.4	182.9	183.6	181.3	178.3	174.6	171.2	167.0	162.3	157.6
42.5°	201.7	203.7	204.3	203.8	201.7	198.5	194.5	190.2	184.7	179.3	173.9
40°	227.7	229.5	229.2	227.1	225.5	222.5	218.4	213.4	207.2	201.0	194.0
37.5°	267.7	270.8	269.6	265.1	263.9	259.9	253.9	246.4	237.0	227.8	218.3
35°	332.0	337.7	336.4	329.6	328.1	321.7	312.3	299.8	284.9	269.1	252.7
32.5°	441.1	454.5	456.8	448.1	443.9	429.7	410.8	386.3	360.3	333.3	306.0
30°	604.0	629.2	637.1	630.3	621.1	598.2	567.9	527.7	483.8	436.3	389.2
27.5°	785.3	816.9	830.7	826.8	816.0	789.1	751.3	700.6	642.8	579.1	512.1
25°	990.8	1036.3	1056.3	1051.9	1038.7	1004.6	955.2	892.1	818.3	737.9	654.3
22.5°	1247.6	1310.8	1344.1	1341.3	1323.5	1277.3	1208.3	1121.4	1020.2	915.4	807.5
20°	1557.8	1652.0	1702.9	1703.7	1676.4	1612.7	1517.6	1393.9	1257.9	1119.4	978.7
17.5°	1930.1	2066.9	2141.9	2143.0	2096.8	2002.1	1865.7	1703.0	1532.2	1342.7	1165.7
15°	2362.0	2547.2	2653.5	2660.1	2594.5	2466.9	2285.6	2062.6	1823.1	1591.7	1361.4
12.5°	2828.0	3070.8	3209.7	3223.6	3143.6	2985.0	2753.1	2465.9	2156.7	1848.7	1570.4
10°	3291.3	3586.5	3760.7	3785.6	3695.3	3511.3	3233.1	2887.1	2504.7	2120.3	1769.6
7.5°	3703.5	4038.1	4241.3	4275.6	4186.1	3990.7	3681.6	3282.6	2833.4	2380.4	1961.9
5°	4031.0	4382.6	4608.1	4659.8	4571.4	4374.8	4046.9	3610.0	3110.0	2599.7	2125.2
2.5°	4243.0	4595.9	4828.0	4904.8	4826.1	4631.4	4290.2	3830.8	3299.6	2750.5	2240.7
0°	4317.3	4665.1	4888.0	4989.4	4927.6	4738.1	4392.1	3918.0	3377.9	2816.8	2293.4
-2.5°	4259.2	4595.2	4814.7	4918.8	4881.3	4683.5	4335.9	3872.4	3341.3	2791.9	2276.3
-5°	4085.0	4408.9	4629.3	4737.6	4671.0	4482.8	4148.0	3705.6	3201.1	2682.3	2194.2
-7.5°	3818.1	4133.8	4345.9	4434.5	4344.1	4149.1	3837.6	3430.4	2967.9	2497.3	2052.7
-10°	3456.3	3756.5	3952.6	4021.6	3923.2	3714.3	3428.9	3066.2	2665.0	2258.2	1870.1
-12.5°	3024.1	3289.8	3459.6	3510.1	3415.2	3214.0	2958.9	2657.9	2325.4	1986.2	1663.4
-15°	2558.4	2779.7	2917.3	2953.8	2872.1	2701.4	2490.6	2246.6	1983.3	1708.5	1453.9
-17.5°	2110.5	2277.0	2381.9	2407.4	2347.4	2220.2	2055.1	1863.5	1663.9	1458.0	1249.3
-20°	1713.1	1836.8	1915.3	1938.9	1895.0	1803.0	1681.7	1547.8	1386.6	1227.2	1066.2

REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1394.1	1483.4	1543.7	1566.8	1538.4	1473.5	1375.7	1270.6	1153.6	1026.9	896.7
-25°	1131.1	1198.8	1241.9	1258.9	1238.7	1193.5	1126.5	1042.7	947.6	844.3	739.0
-27.5°	907.6	962.1	997.1	1012.7	997.6	963.2	908.9	839.7	764.0	679.6	596.7
-30°	720.8	759.7	789.6	804.2	790.6	761.9	714.0	655.6	594.4	530.3	464.1
-32.5°	529.5	561.3	582.0	588.7	580.0	558.7	526.6	486.4	443.0	398.0	354.0
-35°	381.8	400.0	411.7	415.0	410.9	398.7	379.8	355.9	329.3	304.4	279.0
-37.5°	289.6	297.9	302.9	303.7	301.9	295.9	286.7	275.4	262.3	248.8	235.6
-40°	240.4	244.7	247.2	247.8	246.7	243.8	239.2	233.3	225.9	218.2	210.1
-42.5°	216.1	219.3	221.3	222.4	220.9	218.4	214.8	209.6	203.3	196.9	190.5
-45°	198.6	202.0	204.4	206.2	204.0	201.1	197.3	192.0	185.6	178.8	173.4
-47.5°	182.9	186.7	189.7	192.1	189.3	185.9	182.0	176.5	170.4	163.8	159.2
-50°	167.1	170.5	173.5	175.9	173.3	170.2	166.5	161.6	156.1	150.4	146.1
-52.5°	156.0	159.2	161.9	164.3	161.5	158.5	155.0	150.4	145.3	139.8	135.3
-55°	147.7	150.8	153.7	156.4	153.2	149.9	146.2	141.5	136.1	130.2	124.9
-57.5°	142.7	146.3	149.6	152.8	148.8	144.5	140.1	134.5	127.9	120.7	113.6
-60°	135.5	140.6	145.3	149.8	144.6	139.2	133.5	126.7	118.7	110.4	101.9
-62.5°	116.5	122.4	127.8	132.6	128.2	123.3	117.9	111.4	103.8	96.2	88.7
-65°	92.6	96.7	100.3	103.6	100.9	97.7	94.2	90.1	85.4	80.9	76.8
-67.5°	74.9	76.9	78.8	80.3	79.5	78.4	77.2	75.8	74.0	72.5	71.1
-70°	60.5	60.8	60.9	60.7	60.8	60.7	60.2	59.4	58.1	56.7	55.1
-72.5°	48.3	48.7	48.9	48.9	48.7	48.3	47.8	47.2	46.4	45.5	44.6
-75°	39.2	39.5	39.6	39.6	39.4	39.1	38.8	38.3	37.7	36.9	36.2
-77.5°	31.0	31.2	31.3	31.4	31.2	30.9	30.6	30.2	29.6	28.9	28.2
-80°	22.8	23.0	23.1	23.1	22.9	22.7	22.4	22.1	21.6	21.1	20.6
-82.5°	15.4	15.5	15.6	15.6	15.4	15.2	15.0	14.7	14.3	13.9	13.4
-85°	8.8	8.9	8.9	8.9	8.8	8.6	8.4	8.2	8.0	7.7	7.4
-87.5°	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1
-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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
82.5°	1.3	1.3	1.2	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8
80°	6.3	6.1	5.8	5.5	5.3	5.0	4.7	4.4	4.1	3.7	3.4
77.5°	12.0	11.6	11.2	10.7	10.2	9.7	9.2	8.6	8.1	7.6	7.0
75°	19.0	18.4	17.7	16.9	16.1	15.3	14.5	13.6	12.6	11.7	10.8
72.5°	26.3	25.5	24.6	23.7	22.7	21.6	20.5	19.3	18.2	17.0	15.7
70°	34.3	33.2	32.1	30.8	29.5	28.2	26.8	25.3	23.9	22.4	20.8
67.5°	43.8	42.3	40.6	38.8	37.0	35.2	33.4	31.6	29.9	28.1	26.2
65°	51.7	50.1	48.5	46.9	45.2	42.9	40.7	38.3	36.2	34.0	31.7
62.5°	61.4	58.3	55.6	53.2	51.6	50.1	48.2	45.7	43.1	40.4	37.7
60°	74.4	70.3	66.0	62.2	59.1	56.4	54.0	52.4	51.0	48.2	44.3
57.5°	88.6	84.0	78.8	74.4	70.3	65.9	61.8	59.4	57.3	55.0	52.4
55°	102.0	97.3	92.1	87.7	83.1	78.2	73.2	69.7	66.0	62.4	59.4
52.5°	114.1	109.6	104.8	100.3	95.4	90.2	85.9	82.0	77.4	72.4	68.1
50°	126.3	121.7	116.9	112.0	106.7	101.3	97.5	93.9	89.6	83.9	79.2
47.5°	138.5	133.7	129.0	124.1	118.3	112.5	108.0	104.0	100.2	96.3	91.2
45°	152.2	146.5	141.2	135.5	129.7	124.3	118.8	113.4	108.8	106.2	103.0
42.5°	168.0	161.8	155.2	148.0	141.2	135.3	129.5	123.4	117.9	114.2	111.7
40°	186.2	178.9	171.1	163.1	154.8	146.8	139.8	133.1	127.3	122.1	118.5
37.5°	208.4	199.0	189.3	179.6	170.0	160.6	150.8	143.1	136.3	130.2	125.1
35°	237.0	222.8	209.8	197.7	186.5	175.1	164.3	153.8	145.4	138.1	131.8
32.5°	280.0	256.1	235.3	217.9	203.2	190.6	177.8	166.0	155.0	146.0	137.9
30°	345.3	305.6	271.1	243.3	222.3	205.4	191.5	178.2	165.7	153.9	144.3
27.5°	443.9	378.9	323.0	278.7	245.4	221.8	204.3	190.2	175.9	162.4	150.9
25°	568.2	479.7	397.5	328.3	275.9	240.7	217.7	200.4	185.5	170.7	157.4
22.5°	701.3	595.0	491.0	393.1	317.3	264.7	231.8	210.2	193.7	178.7	164.4
20°	842.5	715.8	589.9	470.5	369.6	294.6	247.5	220.1	201.2	185.9	169.8
17.5°	997.2	837.9	692.8	554.0	427.6	331.0	266.5	230.1	208.1	190.5	174.1
15°	1154.7	965.9	794.0	635.1	489.0	370.2	288.7	240.3	213.7	194.3	177.7
12.5°	1311.1	1089.6	890.4	713.4	549.3	408.9	310.9	250.9	218.8	197.6	180.3
10°	1468.7	1202.8	979.8	781.7	601.2	446.0	331.4	261.2	223.3	200.3	181.9
7.5°	1611.9	1305.2	1053.7	835.7	644.8	477.6	348.8	270.0	227.0	202.3	182.7
5°	1721.9	1389.2	1111.3	876.9	675.8	499.2	361.8	275.7	229.7	203.4	183.1
2.5°	1801.8	1446.9	1148.3	899.5	691.0	509.9	368.8	277.8	230.8	203.6	182.6
0°	1837.4	1468.9	1161.9	904.3	691.5	509.6	368.9	276.2	230.1	202.7	181.3
-2.5°	1824.9	1456.9	1152.0	895.4	684.4	505.8	366.8	274.8	229.3	202.4	181.5
-5°	1763.6	1407.8	1115.7	866.4	663.4	491.7	357.2	269.8	226.9	201.2	180.8
-7.5°	1664.4	1331.9	1058.6	824.8	633.5	470.4	341.8	261.7	223.0	199.0	179.5
-10°	1531.0	1231.9	983.9	770.4	594.9	443.9	324.7	253.8	218.5	196.1	177.5
-12.5°	1369.2	1118.6	897.9	708.2	548.3	409.1	304.5	244.5	213.9	193.1	175.8
-15°	1211.2	996.9	804.2	641.0	496.4	370.1	282.7	234.3	208.7	189.8	173.7
-17.5°	1056.1	874.9	711.2	569.7	440.2	331.6	261.7	224.8	203.4	186.3	171.0
-20°	907.2	755.2	620.0	494.8	381.0	296.0	243.3	215.8	197.4	182.5	167.7

REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	765.0	643.0	529.1	419.3	328.1	264.2	228.3	207.3	191.4	177.5	164.0
-25°	635.9	534.6	437.6	350.1	282.4	239.8	216.0	199.2	185.2	171.7	159.9
-27.5°	513.1	430.9	354.2	292.1	248.7	222.5	205.2	191.3	178.7	165.9	155.4
-30°	399.9	341.9	289.2	250.9	226.1	208.9	194.9	182.9	171.0	160.6	151.1
-32.5°	312.6	275.2	246.4	225.1	209.6	196.7	184.9	173.5	163.7	154.8	147.3
-35°	255.6	235.9	220.3	207.0	195.4	184.8	174.3	165.0	156.5	149.3	143.5
-37.5°	223.2	212.0	201.4	191.6	182.0	172.6	164.7	156.9	149.9	144.2	139.5
-40°	201.3	193.1	185.0	176.9	168.9	162.1	155.3	149.4	144.0	139.3	134.8
-42.5°	183.4	176.2	169.8	163.9	158.0	152.0	146.8	142.5	138.2	133.9	129.6
-45°	167.7	162.0	157.1	152.1	147.3	143.0	139.3	135.6	132.0	128.0	122.6
-47.5°	154.3	149.2	145.1	141.5	138.2	134.8	131.5	128.3	125.0	120.3	112.0
-50°	142.3	138.1	134.8	132.0	129.1	126.0	123.0	119.8	115.7	108.6	98.3
-52.5°	132.0	128.2	124.3	121.8	119.1	116.3	113.1	108.8	102.2	93.9	85.4
-55°	121.5	117.5	112.9	110.4	107.9	104.6	100.3	94.3	87.6	81.4	76.3
-57.5°	109.9	105.7	101.1	98.0	95.1	90.8	85.5	80.6	76.7	73.0	68.5
-60°	98.3	94.2	89.2	84.5	81.1	77.6	74.8	72.3	69.5	65.3	60.1
-62.5°	84.2	80.3	76.6	73.8	72.3	70.8	68.8	65.6	61.3	56.6	52.5
-65°	74.3	72.5	71.1	69.9	68.0	64.6	60.2	55.7	52.2	49.1	45.7
-67.5°	69.4	66.9	63.6	59.6	55.8	52.6	49.9	47.4	44.8	42.1	39.3
-70°	53.2	51.3	49.6	47.8	46.0	44.1	42.1	39.9	37.8	35.5	33.3
-72.5°	43.5	42.2	40.9	39.6	38.1	36.5	34.9	33.2	31.3	29.6	27.7
-75°	35.3	34.3	33.2	32.0	30.8	29.6	28.2	26.7	25.3	23.8	22.2
-77.5°	27.4	26.7	25.8	24.9	23.9	22.7	21.8	20.7	19.5	18.3	17.1
-80°	20.0	19.4	18.7	18.0	17.3	16.6	15.8	14.9	14.0	13.0	12.1
-82.5°	12.9	12.5	12.0	11.6	11.1	10.6	10.1	9.6	9.0	8.3	7.8
-85°	7.1	6.9	6.7	6.4	6.1	5.8	5.5	5.3	5.0	4.7	4.3
-87.5°	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.1	2.0	1.8	1.7
-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: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.2	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.4
80°	3.1	2.8	2.4	2.2	2.0	1.7	1.5	1.4	1.2	1.0	0.8
77.5°	6.4	5.8	5.2	4.6	4.0	3.5	3.0	2.5	2.1	1.8	1.4
75°	9.9	9.1	8.2	7.3	6.4	5.7	4.9	4.1	3.4	2.8	2.1
72.5°	14.4	13.0	11.7	10.5	9.2	8.1	6.9	5.8	4.9	4.0	3.1
70°	19.2	17.6	15.9	14.2	12.5	10.9	9.4	7.9	6.4	5.3	4.2
67.5°	24.2	22.3	20.3	18.3	16.2	14.2	12.1	10.2	8.4	6.7	5.3
65°	29.4	27.2	24.9	22.4	20.0	17.7	15.3	12.8	10.6	8.5	6.6
62.5°	34.9	32.3	29.6	26.8	24.0	21.2	18.5	15.8	12.9	10.4	8.0
60°	41.0	37.8	34.6	31.3	28.1	24.9	21.7	18.6	15.5	12.4	9.7
57.5°	48.6	44.1	40.1	36.1	32.4	28.8	25.1	21.4	18.1	14.7	11.4
55°	56.7	52.4	46.5	41.5	36.9	32.7	28.6	24.5	20.6	17.0	13.2
52.5°	64.5	60.3	54.9	47.9	42.0	36.8	32.1	27.6	23.2	19.1	15.1
50°	74.0	68.7	62.9	56.0	47.9	41.4	35.8	30.8	26.0	21.3	17.0
47.5°	85.0	78.4	71.3	63.8	55.2	46.5	39.7	33.9	28.7	23.5	18.8
45°	96.8	89.0	80.3	71.6	62.8	52.6	44.1	37.1	31.4	25.9	20.6
42.5°	108.1	100.0	89.8	79.7	70.0	59.8	48.7	40.5	34.0	28.1	22.4
40°	116.2	110.2	99.3	88.3	77.4	66.6	54.0	44.1	36.7	30.3	24.2
37.5°	121.5	117.4	109.0	96.6	84.9	72.5	59.8	47.7	39.4	32.5	26.0
35°	126.1	122.1	116.9	105.4	92.4	77.8	64.9	51.6	42.1	34.6	27.7
32.5°	131.0	125.9	122.0	113.8	97.8	82.7	69.2	55.9	44.8	36.6	29.4
30°	136.1	129.8	125.6	118.8	103.0	87.0	72.8	60.2	47.4	38.5	31.0
27.5°	141.3	133.7	127.9	120.6	107.5	90.9	76.3	63.8	50.0	40.5	32.5
25°	146.7	137.3	128.8	121.3	110.6	94.3	79.4	66.7	52.8	42.3	33.9
22.5°	151.5	139.7	129.9	121.7	112.5	97.4	82.0	68.8	55.4	43.9	35.2
20°	155.0	142.3	131.4	122.2	113.2	99.8	84.2	70.4	57.8	45.4	36.4
17.5°	158.5	144.8	132.8	122.7	113.4	101.5	85.5	71.7	59.8	46.7	37.5
15°	161.6	147.1	134.3	123.2	113.3	101.7	86.3	72.6	61.3	47.9	38.5
12.5°	164.0	148.9	135.5	123.5	112.9	101.6	86.9	73.2	62.3	48.9	39.3
10°	165.8	150.1	136.2	123.7	112.5	101.0	87.0	73.5	62.8	49.8	40.1
7.5°	166.5	150.9	136.6	123.6	111.8	100.0	86.6	73.4	63.0	50.5	40.7
5°	166.6	151.1	136.6	123.3	111.0	98.8	85.9	73.0	63.0	51.0	41.1
2.5°	166.0	150.8	136.1	122.6	109.9	97.2	84.7	72.4	62.8	51.4	41.5
0°	164.7	149.8	135.2	121.5	108.4	95.3	83.3	71.5	62.4	51.5	41.7
-2.5°	164.9	150.2	135.9	122.6	109.7	96.5	83.9	71.8	62.5	51.5	41.7
-5°	164.6	150.1	136.2	123.3	110.7	97.3	84.1	71.8	62.4	51.4	41.7
-7.5°	163.7	149.5	136.1	123.6	111.3	97.8	84.1	71.7	62.2	51.1	41.5
-10°	162.2	148.5	135.7	123.7	111.6	97.8	83.7	71.3	61.9	50.6	41.2
-12.5°	160.7	147.2	134.9	123.4	111.5	97.3	82.9	70.6	61.3	50.0	40.7
-15°	159.2	146.2	134.4	123.1	111.1	96.3	81.8	69.7	60.5	49.2	40.1
-17.5°	157.3	144.9	134.0	123.1	110.7	94.8	80.3	68.6	59.5	48.2	39.5
-20°	155.0	143.6	133.3	123.0	110.2	93.6	78.5	67.2	58.1	47.2	38.7

REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	152.6	142.2	132.7	122.6	109.1	91.8	77.0	65.6	56.5	46.1	37.7
-25°	149.6	141.0	132.0	121.8	107.1	89.5	75.3	64.2	54.5	44.9	36.7
-27.5°	146.5	139.0	131.4	120.5	104.0	86.6	73.2	62.5	52.4	43.6	35.5
-30°	143.4	136.6	129.5	118.2	100.0	83.3	70.7	60.6	50.4	42.2	34.3
-32.5°	140.5	134.0	126.2	113.4	95.1	79.8	67.9	58.2	48.3	40.6	32.9
-35°	137.5	131.0	121.8	106.4	89.9	76.2	65.0	55.2	46.3	38.9	31.5
-37.5°	134.4	127.0	115.0	98.4	83.9	72.1	61.7	52.1	44.2	37.0	29.9
-40°	130.1	121.2	106.2	90.6	78.5	67.9	58.1	49.2	42.0	35.1	28.4
-42.5°	123.5	112.1	96.4	83.4	73.0	63.2	54.3	46.4	39.7	33.1	26.7
-45°	113.4	100.3	87.2	77.0	67.5	58.5	50.5	43.6	37.3	31.0	24.9
-47.5°	100.5	89.0	79.8	70.7	61.8	54.0	46.9	40.7	34.7	28.9	23.2
-50°	88.1	80.1	72.6	64.2	56.5	49.6	43.5	37.8	32.2	26.7	21.4
-52.5°	78.7	72.4	65.2	57.8	51.4	45.6	40.1	34.8	29.7	24.5	19.5
-55°	71.0	64.6	58.1	52.2	46.8	41.6	36.6	31.8	27.0	22.2	17.7
-57.5°	62.8	57.1	52.0	47.1	42.3	37.6	33.2	28.8	24.4	20.0	15.9
-60°	55.2	50.8	46.4	42.1	37.8	33.8	29.8	25.7	21.7	17.8	14.0
-62.5°	48.8	44.9	41.0	37.2	33.7	30.0	26.3	22.7	19.1	15.6	12.1
-65°	42.5	39.1	35.8	32.7	29.6	26.2	22.9	19.7	16.6	13.4	10.4
-67.5°	36.5	33.8	31.0	28.3	25.4	22.5	19.6	16.9	14.1	11.2	8.7
-70°	31.0	28.7	26.3	23.9	21.4	18.9	16.5	14.0	11.5	9.2	7.1
-72.5°	25.8	23.8	21.7	19.6	17.6	15.5	13.3	11.2	9.2	7.4	5.7
-75°	20.7	19.1	17.3	15.6	13.9	12.0	10.4	8.7	7.1	5.7	4.4
-77.5°	15.8	14.5	13.1	11.7	10.4	9.0	7.7	6.5	5.3	4.2	3.2
-80°	11.2	10.2	9.2	8.2	7.2	6.3	5.3	4.5	3.6	2.9	2.2
-82.5°	7.2	6.6	5.9	5.2	4.6	4.0	3.4	2.8	2.2	1.8	1.4
-85°	4.0	3.6	3.2	2.8	2.5	2.1	1.8	1.5	1.2	1.0	0.8
-87.5°	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3	0.3
-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):

	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	0.2	0.1	0.1	0.1	0.1
80°	0.6	0.4	0.3	0.2	0.1	0.1	0.1
77.5°	1.1	0.8	0.5	0.3	0.2	0.1	0.1
75°	1.6	1.2	0.8	0.5	0.2	0.1	0.1
72.5°	2.3	1.6	1.1	0.6	0.3	0.1	0.1
70°	3.1	2.2	1.5	0.9	0.4	0.2	0.1
67.5°	4.1	2.8	1.8	1.1	0.5	0.2	0.1
65°	5.0	3.6	2.3	1.4	0.6	0.2	0.1
62.5°	6.1	4.4	2.8	1.6	0.8	0.2	0.1
60°	7.2	5.2	3.4	1.9	0.9	0.3	0.1
57.5°	8.4	6.0	4.0	2.2	1.1	0.3	0.1
55°	9.8	6.9	4.6	2.6	1.2	0.3	0.1
52.5°	11.2	7.9	5.2	2.9	1.4	0.4	0.1
50°	12.7	8.8	5.8	3.3	1.5	0.4	0.1
47.5°	14.2	9.9	6.4	3.7	1.7	0.5	0.1
45°	15.7	11.0	7.1	4.1	1.9	0.5	0.1
42.5°	17.2	12.1	7.8	4.5	2.0	0.6	0.1
40°	18.5	13.2	8.5	4.9	2.2	0.6	0.1
37.5°	20.0	14.3	9.2	5.3	2.3	0.6	0.1
35°	21.3	15.3	9.8	5.6	2.5	0.7	0.1
32.5°	22.5	16.3	10.5	6.0	2.7	0.7	0.1
30°	23.8	17.3	11.1	6.3	2.8	0.8	0.1
27.5°	25.0	18.2	11.8	6.7	3.0	0.8	0.1
25°	26.1	19.0	12.4	7.0	3.1	0.9	0.1
22.5°	27.2	19.8	13.0	7.3	3.3	0.9	0.1
20°	28.2	20.6	13.5	7.6	3.4	0.9	0.1
17.5°	29.1	21.2	14.0	7.9	3.5	1.0	0.1
15°	29.8	21.9	14.4	8.1	3.6	1.0	0.1
12.5°	30.6	22.4	14.8	8.4	3.7	1.0	0.1
10°	31.2	22.8	15.1	8.6	3.8	1.1	0.1
7.5°	31.7	23.2	15.4	8.7	3.9	1.1	0.1
5°	32.1	23.5	15.6	8.8	3.9	1.1	0.1
2.5°	32.4	23.7	15.8	8.9	4.0	1.1	0.1
0°	32.6	23.9	15.9	9.0	4.0	1.1	0.1
-2.5°	32.6	23.9	15.9	9.0	4.0	1.1	0.1
-5°	32.6	23.9	15.9	9.0	4.0	1.1	0.1
-7.5°	32.4	23.8	15.8	9.0	4.0	1.1	0.1
-10°	32.2	23.6	15.7	8.9	3.9	1.1	0.1
-12.5°	31.8	23.3	15.5	8.8	3.9	1.1	0.1
-15°	31.3	23.0	15.3	8.6	3.8	1.1	0.1
-17.5°	30.7	22.5	15.0	8.4	3.7	1.0	0.1
-20°	30.1	22.0	14.6	8.2	3.7	1.0	0.1



REPORT NUMBER: P1217530 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	29.3	21.4	14.2	8.0	3.5	1.0	0.1
-25°	28.5	20.8	13.7	7.7	3.4	0.9	0.1
-27.5°	27.6	20.1	13.2	7.4	3.3	0.9	0.1
-30°	26.6	19.3	12.6	7.1	3.2	0.9	0.1
-32.5°	25.5	18.5	12.0	6.8	3.0	0.8	0.1
-35°	24.3	17.6	11.4	6.5	2.8	0.8	0.1
-37.5°	23.1	16.7	10.7	6.1	2.7	0.7	0.1
-40°	21.9	15.7	10.1	5.7	2.5	0.7	0.1
-42.5°	20.5	14.7	9.5	5.3	2.4	0.6	0.1
-45°	19.1	13.6	8.8	5.0	2.2	0.6	0.1
-47.5°	17.7	12.5	8.1	4.5	2.0	0.6	0.1
-50°	16.3	11.3	7.4	4.2	1.9	0.5	0.1
-52.5°	14.8	10.4	6.7	3.8	1.7	0.5	0.1
-55°	13.3	9.3	6.0	3.4	1.5	0.4	0.1
-57.5°	11.7	8.3	5.3	3.0	1.4	0.4	0.1
-60°	10.4	7.3	4.7	2.6	1.2	0.3	0.1
-62.5°	9.0	6.3	4.1	2.2	1.1	0.3	0.1
-65°	7.7	5.4	3.5	1.9	0.9	0.2	0.1
-67.5°	6.4	4.5	2.9	1.6	0.7	0.2	0.1
-70°	5.3	3.7	2.3	1.4	0.6	0.2	0.1
-72.5°	4.2	2.9	1.9	1.1	0.5	0.2	0.1
-75°	3.2	2.2	1.5	0.8	0.4	0.2	0.1
-77.5°	2.3	1.7	1.0	0.6	0.3	0.1	0.1
-80°	1.6	1.1	0.7	0.4	0.2	0.1	0.1
-82.5°	1.0	0.7	0.5	0.3	0.2	0.1	0.1
-85°	0.6	0.4	0.3	0.2	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	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)