

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: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-4000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s26060036b-01)
Test Lab: INNOVATION CENTER
Issue Date: 27-07-2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: TRX30S-BK-4000K-4H4V
Description: 30W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 81 CRI, 4000K
Ballast/Driver: -

Summary

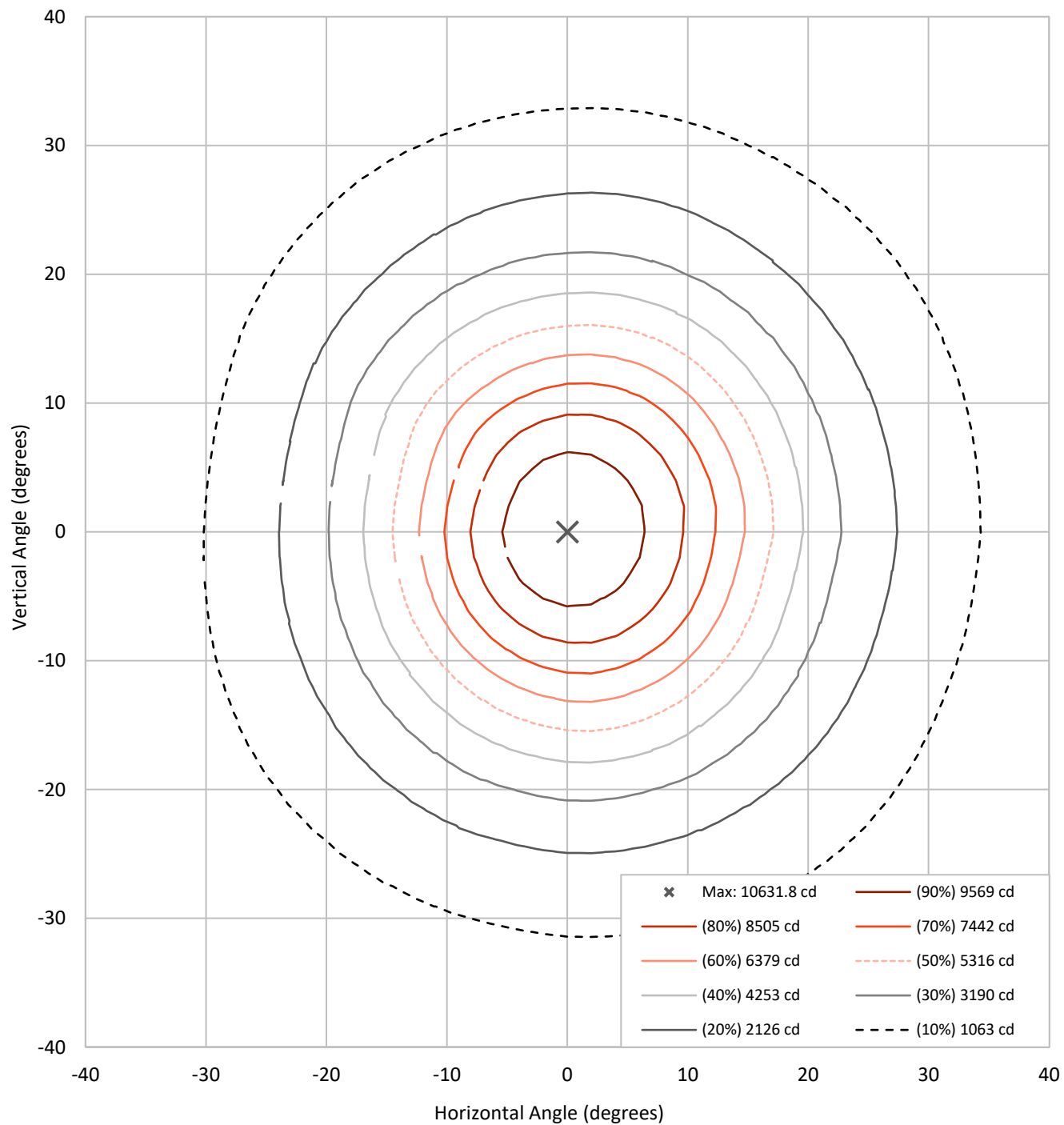
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	4669.3 lumens	Max Intensity:	10631.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.8 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	31.6°H x 31.4°V	Field Angle (10%):	64.5°H x 64.2°V
Beam Lumens:	1799.8 lumens	Field Lumens:	3627.9 lumens
Beam Efficiency:	38.5%	Field Efficiency:	77.7%

Input Watts (W): 31.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



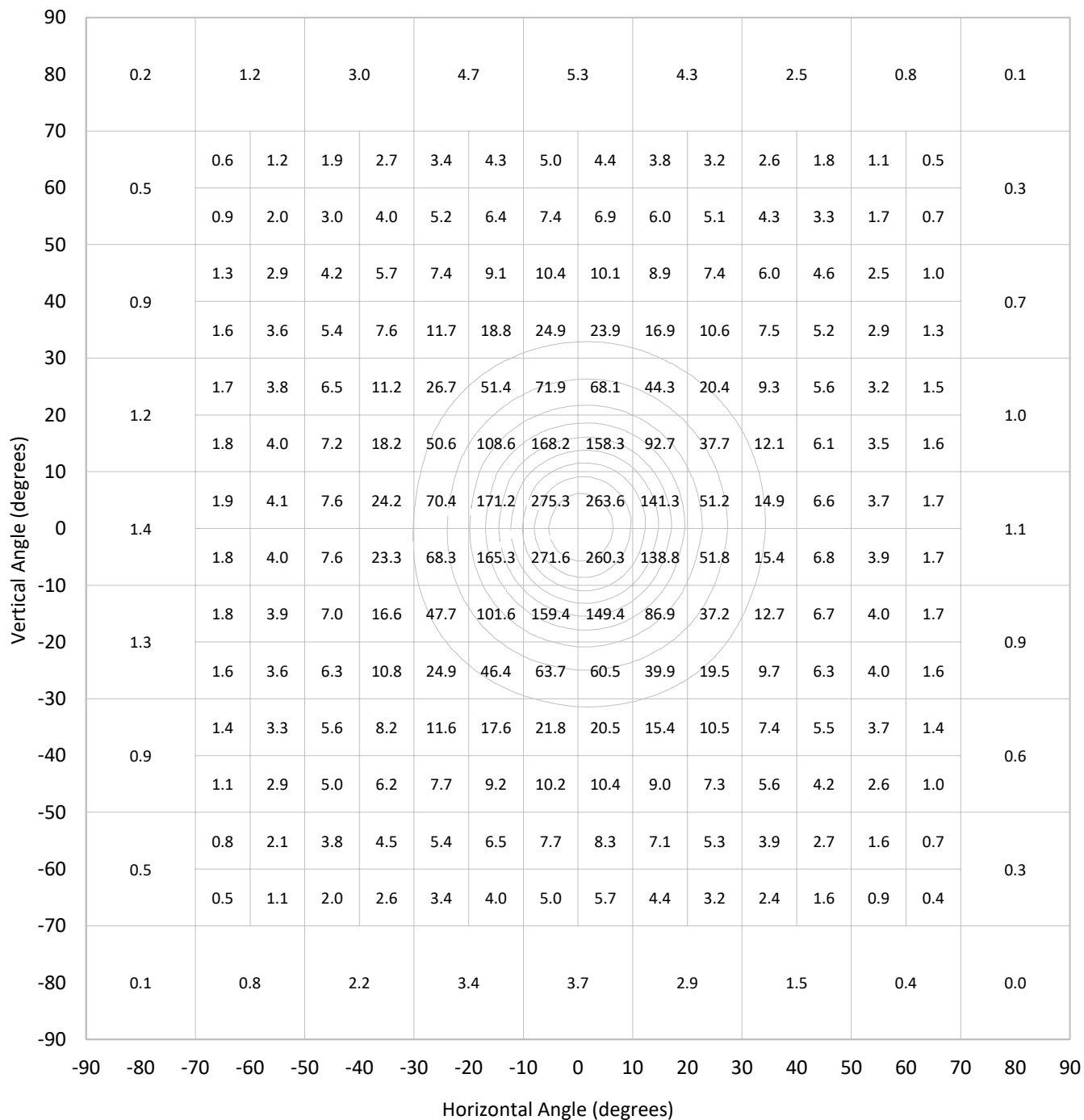
REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



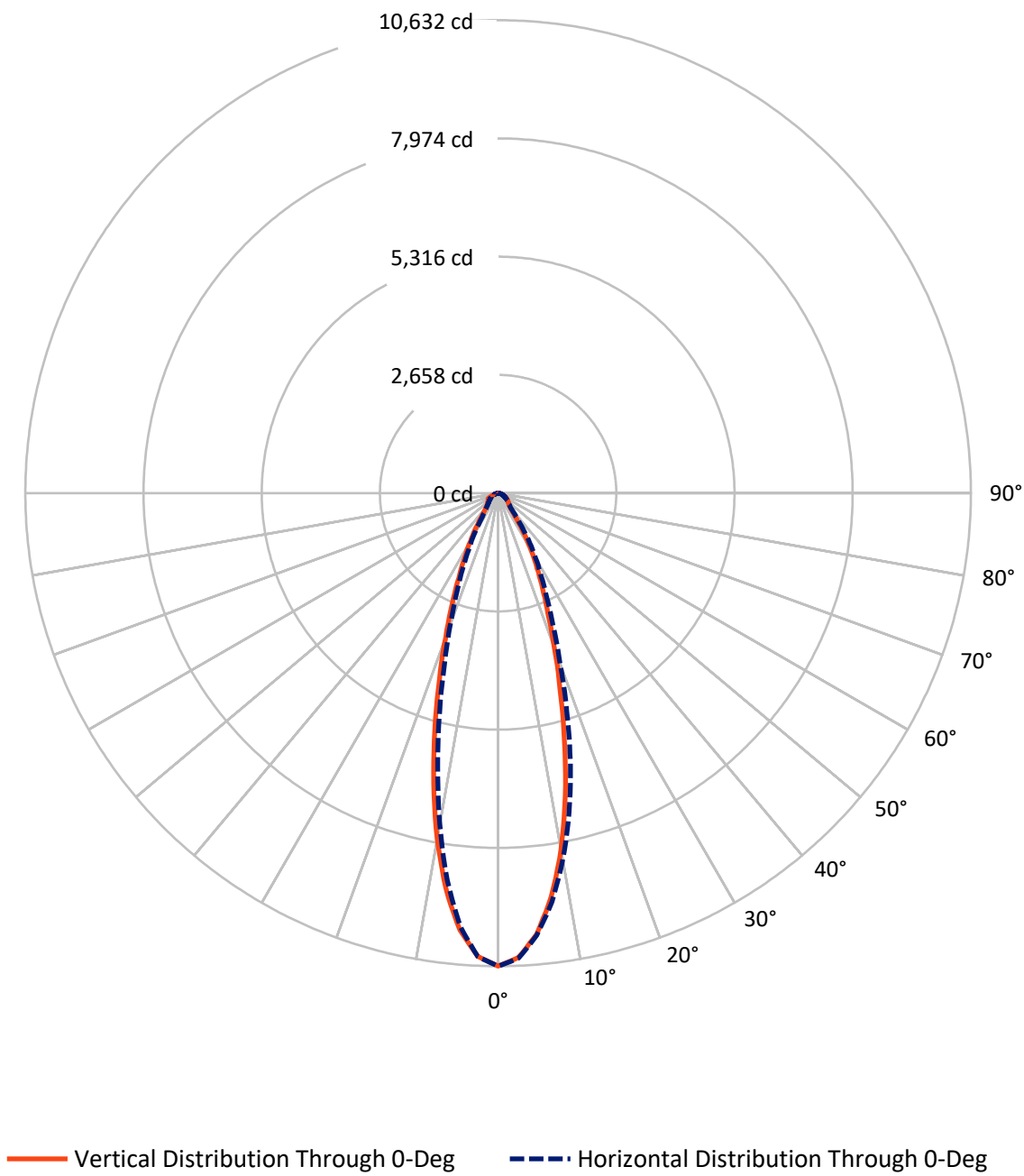
REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

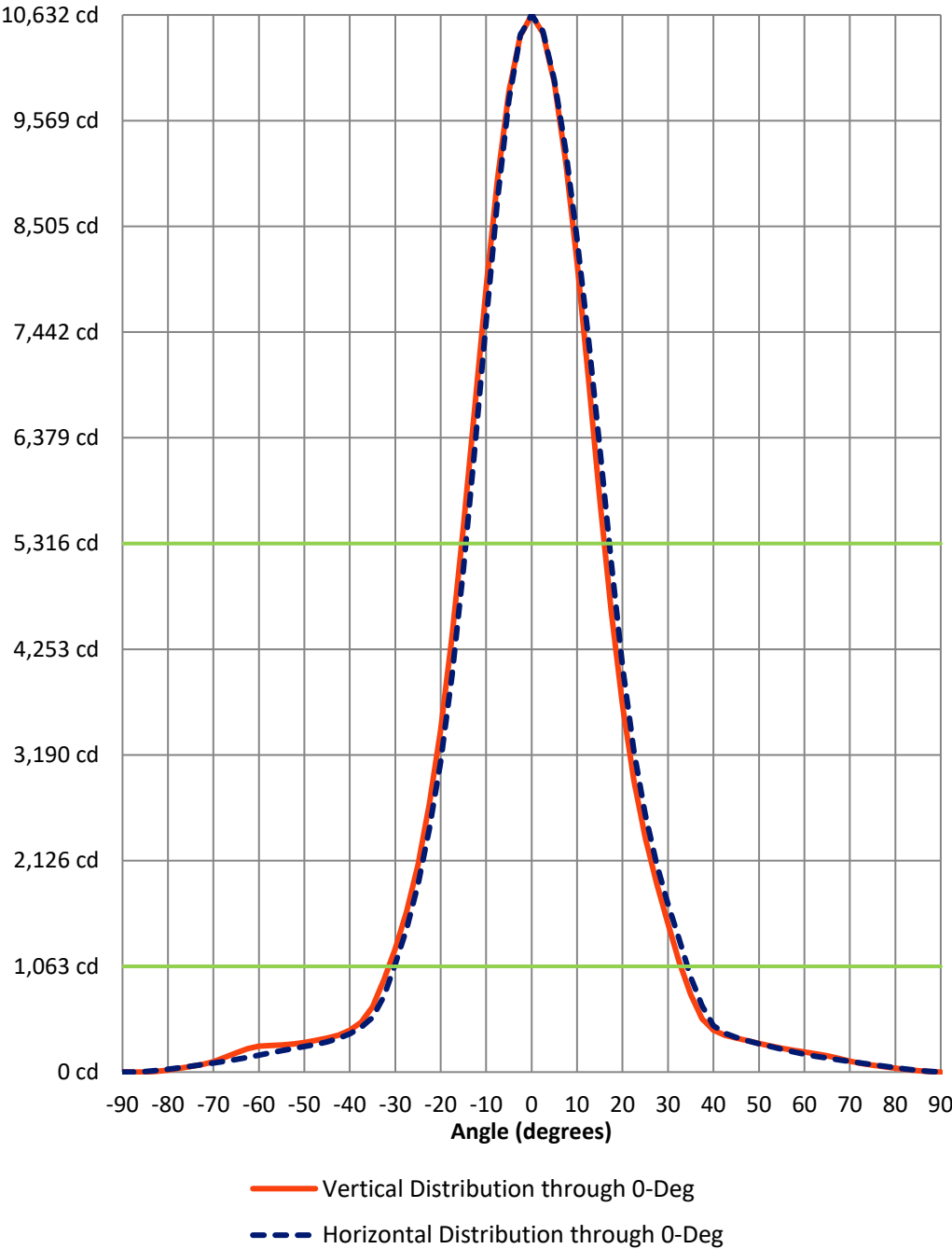
Luminous Intensity Polar Plot





REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

Luminous Intensity Plot



Beam:
H Angle: 31.6°
V Angle: 31.4°
Lumens: 1799.8
Efficiency: 38.5%

Field:
H Angle: 64.5°
V Angle: 64.2°
Lumens: 3627.9
Efficiency: 77.7%

Spill:
Lumens: 1041.3
Efficiency: 22.3%

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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	0.2	0.2	0.3	0.4	0.5	0.6
85°	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.7	1.2	1.5	1.9
82.5°	0.1	0.1	0.1	0.1	0.2	0.5	1.0	1.7	2.5	3.2	4.0
80°	0.1	0.1	0.1	0.2	0.4	1.0	1.9	3.0	4.3	5.6	6.9
77.5°	0.1	0.1	0.1	0.3	0.8	1.8	3.2	4.8	6.6	8.4	10.5
75°	0.1	0.1	0.2	0.5	1.3	2.8	4.7	6.8	9.2	12.0	15.0
72.5°	0.1	0.1	0.2	0.8	2.1	4.0	6.4	9.1	12.6	16.2	19.6
70°	0.1	0.1	0.3	1.1	2.9	5.4	8.3	12.0	16.2	20.2	24.3
67.5°	0.1	0.1	0.4	1.6	3.9	6.8	10.6	15.2	19.8	24.4	29.5
65°	0.1	0.1	0.6	2.2	4.9	8.4	13.1	18.3	23.4	29.1	34.9
62.5°	0.1	0.1	0.8	2.7	5.9	10.2	15.8	21.4	27.4	33.7	40.4
60°	0.1	0.1	0.9	3.4	7.1	12.2	18.4	24.6	31.4	38.6	45.9
57.5°	0.1	0.2	1.2	4.0	8.3	14.4	20.9	28.0	35.6	43.3	51.3
55°	0.1	0.2	1.4	4.7	9.7	16.5	23.5	31.4	39.7	48.1	56.6
52.5°	0.1	0.2	1.7	5.4	11.0	18.4	26.2	34.8	43.8	52.8	61.8
50°	0.1	0.3	2.0	6.1	12.5	20.4	28.9	38.3	47.8	57.5	67.2
47.5°	0.1	0.3	2.3	6.9	14.0	22.3	31.6	41.6	51.8	62.0	72.3
45°	0.1	0.3	2.6	7.7	15.5	24.3	34.3	44.9	55.7	66.5	77.5
42.5°	0.1	0.4	2.9	8.4	16.8	26.2	36.8	48.1	59.4	70.9	82.3
40°	0.1	0.4	3.2	9.2	18.1	28.0	39.4	51.2	63.1	75.1	87.1
37.5°	0.1	0.4	3.5	10.0	19.4	29.9	41.8	54.2	66.5	79.1	91.6
35°	0.1	0.5	3.8	10.7	20.6	31.6	44.0	57.0	69.9	82.9	95.9
32.5°	0.1	0.5	4.1	11.5	21.7	33.3	46.1	59.6	73.1	86.5	99.9
30°	0.1	0.5	4.3	12.1	22.8	34.8	48.1	62.0	75.9	89.9	103.9
27.5°	0.1	0.6	4.6	12.8	23.7	36.3	50.0	64.2	78.6	93.0	107.5
25°	0.1	0.6	4.8	13.4	24.6	37.6	51.7	66.2	81.0	95.9	110.9
22.5°	0.1	0.6	5.0	14.0	25.5	38.8	53.2	68.0	83.2	98.3	114.2
20°	0.1	0.6	5.2	14.5	26.3	39.9	54.6	69.7	85.1	100.6	116.9
17.5°	0.1	0.7	5.4	15.0	26.9	40.9	55.7	71.2	86.9	102.6	119.3
15°	0.1	0.7	5.6	15.3	27.5	41.7	56.7	72.5	88.3	104.3	121.5
12.5°	0.1	0.7	5.7	15.7	28.0	42.3	57.5	73.5	89.5	105.8	123.3
10°	0.1	0.7	5.8	15.9	28.4	42.8	58.1	74.3	90.4	106.9	124.8
7.5°	0.1	0.7	5.9	16.1	28.7	43.2	58.6	75.0	91.1	107.7	126.0
5°	0.1	0.7	5.9	16.2	28.9	43.4	58.8	75.4	91.5	108.3	126.8
2.5°	0.1	0.7	5.9	16.2	28.9	43.5	58.9	75.5	91.7	108.5	127.2
0°	0.1	0.7	5.9	16.2	28.9	43.4	58.8	75.5	91.6	108.4	127.2
-2.5°	0.1	0.7	5.9	16.1	28.8	43.2	58.6	75.2	91.5	108.8	128.5
-5°	0.1	0.7	5.8	15.9	28.5	42.9	58.2	74.7	91.1	108.9	129.3
-7.5°	0.1	0.7	5.7	15.7	28.2	42.4	57.6	73.9	90.4	108.6	129.5
-10°	0.1	0.7	5.5	15.4	27.7	41.8	56.9	72.9	89.4	107.8	129.3
-12.5°	0.1	0.7	5.4	15.0	27.2	41.1	56.0	71.7	88.1	106.5	128.4
-15°	0.1	0.6	5.2	14.6	26.5	40.2	54.9	70.2	86.5	104.9	127.0
-17.5°	0.1	0.6	5.0	14.1	25.7	39.2	53.6	68.6	84.6	102.8	124.8
-20°	0.1	0.6	4.8	13.5	24.9	38.0	52.1	66.8	82.5	100.3	122.1

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-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	0.6	4.5	12.9	24.0	36.8	50.4	64.8	80.1	97.2	119.1
-25°	0.1	0.5	4.2	12.2	23.0	35.4	48.6	62.6	77.4	93.8	117.1
-27.5°	0.1	0.5	4.0	11.4	21.9	33.8	46.7	60.2	74.5	90.8	113.7
-30°	0.1	0.5	3.7	10.6	20.9	32.2	44.6	57.7	71.4	87.3	109.5
-32.5°	0.1	0.5	3.4	9.9	19.7	30.5	42.3	55.1	68.5	83.6	104.1
-35°	0.1	0.4	3.1	9.1	18.4	28.7	40.1	52.3	65.4	79.8	97.8
-37.5°	0.1	0.4	2.8	8.3	17.1	26.8	37.7	49.5	62.1	75.7	91.4
-40°	0.1	0.4	2.5	7.6	15.7	24.9	35.3	46.6	58.7	71.5	85.7
-42.5°	0.1	0.3	2.3	6.8	14.2	22.9	32.6	43.4	55.0	67.2	80.2
-45°	0.1	0.3	2.0	6.0	12.6	20.9	30.0	40.2	51.2	62.7	74.8
-47.5°	0.1	0.3	1.7	5.2	11.1	18.9	27.3	36.9	47.2	58.0	69.5
-50°	0.1	0.2	1.5	4.5	9.5	16.8	24.6	33.5	43.0	53.2	63.9
-52.5°	0.1	0.2	1.2	3.8	8.1	14.6	21.8	30.0	38.8	48.3	57.9
-55°	0.1	0.2	1.0	3.2	6.8	12.4	19.1	26.4	34.5	43.2	52.0
-57.5°	0.1	0.2	0.8	2.6	5.7	10.1	16.3	22.8	30.1	37.9	45.8
-60°	0.1	0.1	0.7	2.1	4.6	8.1	13.4	19.4	25.7	32.8	39.6
-62.5°	0.1	0.1	0.5	1.6	3.6	6.4	10.5	15.8	21.4	27.5	33.5
-65°	0.1	0.1	0.4	1.3	2.7	4.9	7.9	12.2	17.3	22.3	27.4
-67.5°	0.1	0.1	0.3	1.0	2.0	3.7	5.9	8.8	13.0	17.4	21.6
-70°	0.1	0.1	0.3	0.7	1.4	2.6	4.2	6.1	8.8	12.3	16.0
-72.5°	0.1	0.1	0.2	0.5	1.0	1.8	2.9	4.2	5.8	7.8	10.3
-75°	0.1	0.1	0.2	0.3	0.7	1.2	1.9	2.7	3.6	4.8	6.1
-77.5°	0.1	0.1	0.1	0.2	0.4	0.7	1.2	1.7	2.3	2.9	3.6
-80°	0.1	0.1	0.1	0.2	0.2	0.4	0.7	1.0	1.3	1.6	2.0
-82.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.8	1.0
-85°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-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°	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.6	2.8
85°	2.4	2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.6	7.1	7.8
82.5°	4.9	5.9	6.8	7.9	8.9	10.0	11.0	12.1	13.2	14.3	15.5
80°	8.3	9.9	11.7	13.5	15.3	17.0	18.6	20.1	21.6	23.0	24.6
77.5°	12.9	15.3	17.7	19.9	22.2	24.6	26.9	29.0	31.1	33.0	35.1
75°	18.0	20.8	23.7	26.9	30.0	33.2	36.2	38.9	41.5	43.8	46.5
72.5°	23.0	26.9	30.7	34.6	38.5	42.5	46.1	49.3	52.3	55.1	58.2
70°	28.7	33.3	38.1	42.8	47.5	52.1	56.4	60.1	63.6	66.9	70.3
67.5°	34.8	40.2	45.8	51.2	56.6	61.9	67.0	71.2	75.2	79.1	82.7
65°	41.0	47.3	53.6	59.6	65.8	71.8	77.6	82.7	87.6	92.4	96.3
62.5°	47.2	54.3	61.3	68.3	75.0	81.8	89.1	96.3	103.1	109.5	113.7
60°	53.5	61.2	69.2	76.8	84.5	93.0	103.5	115.8	124.6	130.8	133.3
57.5°	59.5	68.2	76.7	85.6	94.9	107.2	123.2	141.1	148.3	151.7	153.2
55°	65.7	74.9	84.4	94.9	108.0	125.1	144.3	161.5	169.9	172.5	173.1
52.5°	71.6	81.6	92.2	105.7	123.5	143.1	161.1	179.0	190.7	192.4	192.2
50°	77.5	88.2	100.9	118.0	138.9	157.9	176.3	193.6	209.2	209.9	208.9
47.5°	83.1	94.9	109.9	129.3	151.2	171.1	189.4	206.1	219.4	223.3	223.1
45°	88.5	101.4	118.2	138.7	160.9	182.7	200.9	215.9	226.3	234.4	236.4
42.5°	93.8	107.3	125.4	146.3	169.1	192.5	210.7	223.2	232.9	242.5	249.7
40°	99.1	112.2	130.8	152.7	175.7	199.2	218.5	229.8	240.2	251.1	262.5
37.5°	104.2	117.5	135.5	157.8	181.0	203.6	223.1	236.5	248.0	259.9	274.2
35°	109.2	123.3	139.2	161.6	185.1	207.1	226.2	242.9	255.5	269.7	285.7
32.5°	114.0	129.1	145.8	164.7	188.3	210.5	230.1	247.2	263.1	279.5	297.3
30°	118.6	134.6	151.6	169.3	191.4	214.1	234.1	251.4	269.8	288.9	309.7
27.5°	122.9	139.9	157.3	175.4	195.6	218.1	237.7	255.9	275.6	297.7	321.5
25°	127.0	144.6	162.2	180.9	201.6	222.1	241.0	260.1	281.0	305.4	332.6
22.5°	130.7	148.7	166.5	185.6	206.9	226.9	244.6	263.6	286.4	313.2	343.9
20°	134.0	152.4	170.0	189.8	211.2	231.1	249.8	268.6	291.4	321.4	356.2
17.5°	137.2	155.5	173.0	193.2	214.7	235.0	254.9	274.7	299.0	330.2	369.2
15°	140.1	158.6	176.2	195.8	217.6	238.6	259.4	280.3	307.1	341.3	384.0
12.5°	142.4	161.4	180.2	200.5	220.6	241.9	263.2	285.2	314.3	351.2	399.5
10°	144.3	164.0	183.9	204.9	225.2	246.5	267.0	289.3	320.5	359.6	413.6
7.5°	145.8	166.3	187.1	208.5	229.0	250.5	270.8	294.4	327.0	367.8	425.4
5°	147.0	168.1	189.7	211.5	232.2	253.6	273.9	298.8	332.7	376.0	437.6
2.5°	147.6	169.5	191.7	213.8	234.5	255.9	276.2	301.9	336.8	381.8	446.2
0°	147.8	170.3	193.2	215.5	236.2	257.4	277.7	303.7	339.2	385.0	450.6
-2.5°	150.2	173.8	197.1	219.2	239.5	260.3	280.8	306.8	341.8	386.9	451.8
-5°	152.0	176.6	200.5	222.2	242.1	262.3	282.9	308.8	342.5	386.2	448.6
-7.5°	153.3	178.6	203.3	224.6	244.3	263.7	284.1	309.5	341.6	383.1	441.1
-10°	153.8	179.9	205.5	226.5	245.9	264.5	284.5	309.2	339.8	378.3	431.2
-12.5°	153.5	180.4	207.0	227.9	247.0	264.8	285.0	309.6	338.2	372.9	420.1
-15°	152.5	180.1	207.6	229.1	247.7	264.8	284.9	309.1	335.9	367.7	407.8
-17.5°	150.7	178.8	208.9	230.6	248.4	264.5	283.6	307.2	333.0	362.2	394.5
-20°	148.3	179.5	210.5	232.3	249.1	264.2	281.3	304.2	329.1	352.8	380.7

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-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°	147.6	179.5	211.3	234.5	250.0	263.9	278.9	297.9	319.7	342.0	367.5
-25°	145.8	178.3	211.2	236.2	251.2	264.0	274.3	288.6	308.7	330.5	353.9
-27.5°	142.9	175.8	209.7	238.1	253.2	260.5	268.3	279.6	296.7	317.8	337.8
-30°	138.8	171.9	206.4	238.2	250.7	255.3	262.0	271.7	285.0	302.1	318.7
-32.5°	133.5	166.3	201.4	231.7	244.8	249.4	255.3	263.7	273.9	284.9	298.9
-35°	126.1	159.2	194.3	217.6	236.2	243.3	248.2	255.3	261.5	269.4	279.8
-37.5°	117.3	150.6	178.9	201.6	222.9	235.9	240.7	244.0	248.6	255.2	262.9
-40°	107.2	138.0	163.1	185.1	205.5	224.2	231.5	231.4	234.4	240.0	246.7
-42.5°	97.0	122.6	147.4	168.1	186.9	206.2	216.7	217.7	219.0	223.0	231.1
-45°	88.4	107.5	130.6	151.3	168.8	183.9	195.5	201.2	202.3	204.8	214.1
-47.5°	81.0	94.6	113.9	134.0	151.0	162.8	172.0	179.6	183.0	188.5	196.9
-50°	74.1	84.9	98.9	116.3	133.0	143.7	151.0	156.6	160.9	172.1	180.4
-52.5°	67.3	76.9	87.1	100.3	114.8	126.8	133.1	136.8	142.6	155.1	164.6
-55°	60.4	69.0	77.9	87.4	98.5	110.2	118.6	121.3	127.6	137.2	147.9
-57.5°	53.4	61.2	69.2	77.3	85.4	94.4	103.6	110.3	116.9	123.1	130.5
-60°	46.6	53.5	60.5	67.6	75.0	81.9	88.8	97.2	107.7	114.3	118.5
-62.5°	39.6	45.8	52.1	58.3	64.5	70.8	77.0	83.8	92.9	103.2	112.1
-65°	32.7	38.2	43.6	49.2	54.7	60.1	65.3	71.4	77.9	84.9	93.8
-67.5°	26.0	30.6	35.2	40.2	44.9	49.5	54.2	59.6	64.8	70.1	75.4
-70°	19.6	23.2	27.2	31.1	35.2	39.2	43.3	47.6	52.3	56.8	61.0
-72.5°	13.3	16.4	19.4	22.6	25.8	28.9	32.3	35.9	39.6	43.2	46.6
-75°	7.6	9.5	12.0	14.4	16.9	19.4	22.0	24.6	27.1	29.8	32.5
-77.5°	4.4	5.1	6.1	7.3	8.7	10.1	12.0	14.1	16.1	17.9	19.7
-80°	2.4	2.8	3.2	3.6	4.2	4.7	5.4	6.1	7.0	7.9	8.8
-82.5°	1.1	1.3	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.2	2.4
-85°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.0
85°	8.3	8.9	9.4	10.0	10.5	11.1	11.7	12.1	12.4	12.7	13.0
82.5°	16.6	17.7	18.7	19.7	20.5	21.3	22.0	22.7	23.3	23.8	24.2
80°	26.3	27.9	29.5	30.9	32.1	33.3	34.5	35.5	36.3	36.9	37.5
77.5°	37.4	39.7	41.6	43.4	45.2	46.8	48.2	49.3	50.2	51.0	51.6
75°	49.3	51.9	54.4	56.9	59.0	60.9	62.7	64.0	65.0	65.8	66.3
72.5°	61.5	64.7	67.8	70.6	73.1	75.5	77.6	79.1	80.0	80.8	81.4
70°	74.2	78.0	81.4	84.7	87.8	90.7	93.6	95.5	96.2	96.7	96.8
67.5°	87.2	91.6	95.8	99.5	102.5	105.5	108.4	110.2	111.3	112.0	112.5
65°	101.8	106.3	110.3	113.1	117.2	120.9	123.7	126.1	127.6	128.9	130.0
62.5°	118.1	122.8	126.5	129.1	132.8	136.2	139.4	142.1	144.4	146.8	148.9
60°	135.5	140.0	143.0	145.5	148.6	152.6	155.8	158.6	162.1	165.6	168.8
57.5°	152.9	157.2	160.4	162.7	165.3	169.2	172.6	175.5	180.1	185.1	189.7
55°	171.9	174.7	177.9	180.3	182.5	187.1	191.5	195.6	201.1	206.7	211.7
52.5°	191.0	192.6	196.2	199.0	201.4	207.0	212.9	218.5	224.2	230.3	235.4
50°	208.9	210.5	214.4	218.6	222.9	228.8	236.0	242.7	249.1	255.4	260.8
47.5°	224.9	228.3	233.3	238.8	244.8	251.8	260.0	268.0	275.2	282.1	288.1
45°	240.4	245.5	251.2	258.8	266.7	274.7	284.3	293.6	302.5	310.6	317.2
42.5°	255.2	262.1	269.5	278.7	288.9	298.9	309.9	321.6	332.1	341.2	348.8
40°	271.0	279.9	289.4	300.5	312.7	325.6	338.6	352.1	366.0	380.2	393.0
37.5°	287.5	298.6	310.8	323.4	338.4	354.1	371.7	395.6	423.4	454.8	481.9
35°	303.4	318.5	332.8	348.3	366.5	392.2	431.6	481.6	534.0	588.5	643.9
32.5°	317.7	338.2	354.6	375.3	407.7	461.0	530.2	609.3	695.9	786.4	876.0
30°	331.7	354.3	378.3	413.7	475.2	563.0	669.1	790.6	920.1	1048.4	1174.7
27.5°	345.8	372.6	409.1	471.1	570.0	703.0	854.9	1017.3	1183.1	1350.2	1514.7
25°	361.7	396.6	453.8	553.0	700.4	875.5	1065.7	1263.9	1479.7	1684.0	1881.0
22.5°	378.9	428.0	514.5	659.8	851.9	1064.5	1288.3	1545.9	1799.0	2065.6	2319.7
20°	399.2	466.5	591.2	785.6	1014.6	1255.9	1540.0	1843.1	2176.9	2517.5	2851.1
17.5°	422.1	510.5	676.1	918.7	1170.7	1461.9	1802.7	2188.1	2608.2	3052.8	3500.4
15°	444.9	554.7	758.8	1032.8	1320.8	1689.0	2096.3	2564.3	3096.9	3666.6	4248.4
12.5°	470.1	598.3	837.9	1128.0	1462.0	1884.1	2393.3	2967.4	3615.5	4335.1	5060.1
10°	491.3	642.2	916.3	1209.8	1588.1	2052.4	2629.7	3332.3	4122.3	4994.4	5891.2
7.5°	505.2	674.6	978.7	1287.0	1701.9	2199.4	2803.5	3563.9	4494.9	5533.1	6596.8
5°	524.5	710.5	1025.4	1347.1	1782.2	2323.6	2977.0	3775.7	4744.2	5859.1	7028.2
2.5°	540.9	745.7	1066.9	1411.2	1855.4	2412.6	3089.6	3936.1	4977.4	6159.3	7391.6
0°	549.9	762.0	1086.5	1440.4	1886.1	2446.5	3126.0	3994.0	5061.7	6274.8	7549.3
-2.5°	554.5	770.8	1088.3	1443.3	1880.6	2419.7	3088.8	3930.6	4962.9	6149.5	7401.0
-5°	549.2	760.6	1066.0	1411.0	1828.7	2337.2	2964.8	3749.8	4703.7	5797.1	6977.1
-7.5°	535.6	732.8	1022.9	1347.4	1744.1	2206.0	2775.1	3469.7	4328.1	5291.3	6325.5
-10°	516.9	690.4	958.9	1260.3	1629.2	2039.7	2539.8	3139.0	3870.0	4686.3	5543.2
-12.5°	492.3	637.7	880.1	1152.8	1482.3	1850.5	2277.9	2785.6	3374.9	4041.3	4734.0
-15°	467.2	581.3	786.2	1034.1	1314.3	1645.5	2006.2	2426.9	2894.4	3406.4	3954.6
-17.5°	441.7	525.5	687.6	910.7	1144.6	1421.8	1731.6	2069.2	2448.1	2842.1	3251.2
-20°	418.7	479.0	594.7	774.6	979.5	1201.7	1459.1	1731.2	2026.9	2340.3	2645.7

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	398.1	441.1	517.2	647.8	821.0	1001.5	1197.9	1419.6	1653.6	1880.7	2114.2
-25°	378.7	410.6	458.6	544.3	667.9	814.5	972.5	1140.7	1312.8	1500.5	1670.4
-27.5°	358.2	383.6	417.9	467.2	547.0	650.3	768.6	902.9	1037.5	1169.8	1292.4
-30°	336.7	358.0	384.5	418.2	463.6	528.5	607.9	698.8	796.9	901.3	997.8
-32.5°	314.3	332.1	355.3	380.7	410.3	447.6	494.4	548.7	607.8	673.0	738.1
-35°	292.1	309.1	328.7	349.1	370.9	395.2	422.9	455.4	489.1	521.5	553.6
-37.5°	273.2	287.5	303.5	320.8	338.3	355.9	374.3	394.1	413.9	434.4	454.3
-40°	257.0	268.4	280.6	294.3	309.4	324.0	337.7	351.4	364.7	377.6	390.6
-42.5°	240.4	250.2	260.5	272.2	283.8	295.3	307.4	318.4	328.0	339.3	350.9
-45°	223.1	231.5	241.0	253.4	263.8	272.6	281.6	290.7	298.8	311.2	323.6
-47.5°	204.9	212.4	223.5	235.1	245.5	254.9	263.1	270.2	276.4	289.7	302.5
-50°	187.0	193.8	205.9	217.3	228.0	238.3	247.7	255.1	262.5	273.6	284.4
-52.5°	171.3	178.2	188.2	198.9	209.2	221.9	233.5	243.2	252.6	263.2	273.2
-55°	157.3	164.1	171.8	180.0	189.8	204.4	217.4	229.0	241.6	253.8	264.9
-57.5°	138.6	147.3	155.4	162.2	171.5	185.3	199.0	212.3	229.1	244.7	258.5
-60°	123.3	128.6	134.7	141.2	150.7	162.2	173.9	186.4	209.7	231.0	250.8
-62.5°	115.1	116.5	119.2	122.9	128.8	136.1	144.3	155.4	179.8	203.7	226.8
-65°	101.7	107.6	110.8	112.2	114.0	117.2	121.2	129.6	148.4	168.6	189.5
-67.5°	80.1	85.2	90.9	96.2	99.4	101.3	102.8	107.3	116.6	127.2	138.7
-70°	64.4	67.6	70.9	74.1	76.8	79.1	80.9	83.6	87.6	91.5	95.6
-72.5°	49.6	52.4	55.0	57.4	59.7	61.8	63.7	66.0	68.3	70.5	72.4
-75°	34.8	37.0	39.1	41.3	43.3	45.0	46.6	48.6	50.6	52.4	54.0
-77.5°	21.3	22.8	24.1	25.5	27.1	28.5	29.8	31.2	32.6	33.9	35.1
-80°	9.7	10.6	11.6	12.7	13.8	14.7	15.5	16.4	17.1	17.8	18.4
-82.5°	2.7	3.1	3.5	3.9	4.4	4.7	5.0	5.4	5.8	6.1	6.4
-85°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	5.3	5.5	5.6	5.8	6.1	6.3	6.5	6.5	6.4	6.4
85°	13.4	13.7	14.0	14.3	14.6	14.8	14.9	15.1	14.9	14.7	14.5
82.5°	24.7	25.1	25.4	25.7	26.1	26.5	26.7	26.9	26.5	26.1	25.7
80°	38.1	38.7	39.1	39.5	40.0	40.4	40.7	40.8	40.2	39.5	38.7
77.5°	52.5	53.3	53.9	54.4	55.0	55.5	55.9	55.9	54.9	53.7	52.5
75°	67.4	68.5	69.4	70.1	70.7	71.0	71.2	71.1	69.7	68.2	66.6
72.5°	82.9	84.6	86.1	87.3	87.6	87.7	87.5	86.9	85.0	82.9	80.8
70°	99.6	103.3	106.9	110.2	111.0	111.2	110.9	109.2	104.9	100.8	97.0
67.5°	117.6	124.8	131.8	138.5	141.2	143.3	144.6	142.4	133.4	124.6	116.4
65°	136.5	146.0	155.2	163.9	167.4	170.4	173.0	170.2	158.7	147.2	135.6
62.5°	155.5	165.4	174.9	183.9	187.4	190.4	193.2	189.6	178.0	165.8	153.1
60°	175.1	184.7	193.8	202.3	204.5	206.4	208.0	203.7	193.4	182.3	170.2
57.5°	195.7	204.4	212.5	220.0	221.5	222.5	223.0	218.0	209.0	199.3	189.6
55°	217.5	225.8	233.3	240.0	241.3	242.0	242.0	236.0	227.2	217.5	208.7
52.5°	240.5	248.9	256.5	263.3	264.6	265.1	264.8	256.7	246.6	236.4	228.3
50°	265.6	274.1	281.8	288.4	289.9	290.4	289.7	279.8	268.4	256.5	249.2
47.5°	293.2	301.8	309.4	315.9	317.8	318.5	317.6	306.3	294.0	280.7	272.8
45°	322.3	329.9	336.9	342.6	344.1	344.5	342.7	332.1	319.9	307.6	298.4
42.5°	355.1	361.8	367.2	370.8	371.4	370.6	367.0	357.6	346.2	335.1	325.5
40°	405.1	414.9	420.6	422.1	422.0	418.0	410.2	399.1	385.2	371.4	357.6
37.5°	505.3	524.4	535.4	536.8	540.1	530.8	514.5	492.2	464.1	441.3	412.8
35°	695.9	739.5	767.8	780.9	787.5	774.7	741.0	699.2	651.5	594.2	532.0
32.5°	962.0	1031.0	1077.8	1102.5	1108.4	1089.6	1040.0	971.0	888.3	799.6	717.2
30°	1287.3	1386.5	1454.4	1493.0	1500.6	1477.4	1403.6	1307.3	1188.2	1064.0	940.2
27.5°	1654.5	1768.7	1852.4	1899.4	1910.3	1882.1	1797.1	1677.4	1533.2	1369.3	1203.9
25°	2060.6	2209.6	2307.4	2358.6	2375.8	2337.2	2240.3	2095.3	1920.1	1718.3	1509.4
22.5°	2550.3	2737.6	2870.8	2933.4	2954.4	2894.7	2764.6	2583.3	2354.8	2108.3	1851.2
20°	3158.9	3421.5	3608.0	3691.5	3717.2	3627.7	3437.3	3172.8	2866.1	2545.1	2222.6
17.5°	3918.1	4271.1	4522.3	4641.7	4678.6	4556.2	4286.7	3923.5	3494.3	3049.0	2626.9
15°	4794.6	5257.4	5590.8	5759.7	5797.3	5629.9	5274.8	4791.8	4230.1	3637.8	3076.4
12.5°	5752.9	6342.4	6758.4	6979.6	7005.9	6800.9	6343.3	5721.8	5009.8	4268.4	3559.4
10°	6717.0	7415.3	7902.7	8145.0	8145.7	7889.6	7360.1	6631.1	5783.0	4893.6	4048.1
7.5°	7601.9	8391.8	8917.6	9155.6	9124.4	8786.0	8216.6	7424.8	6474.4	5465.1	4484.4
5°	8141.5	9102.6	9752.3	9947.9	9832.8	9442.1	8840.1	8023.4	7025.6	5932.3	4847.5
2.5°	8573.9	9550.0	10205.7	10446.5	10275.2	9857.3	9236.1	8409.8	7388.9	6237.7	5080.7
0°	8774.4	9773.4	10427.3	10631.8	10462.7	9974.0	9267.8	8374.1	7376.3	6276.8	5135.8
-2.5°	8600.2	9589.9	10222.3	10419.2	10283.1	9812.5	9133.2	8239.5	7154.6	5997.3	4889.4
-5°	8109.7	9028.6	9643.9	9857.4	9783.9	9354.0	8703.7	7835.4	6800.5	5687.8	4602.1
-7.5°	7324.4	8168.2	8742.5	8978.8	8971.0	8605.9	7999.8	7179.8	6219.7	5218.4	4247.4
-10°	6388.7	7124.0	7626.3	7886.0	7919.4	7605.1	7071.1	6328.1	5497.5	4633.0	3813.9
-12.5°	5412.0	6022.8	6433.7	6682.8	6732.0	6462.5	6010.8	5399.7	4710.8	4004.8	3339.6
-15°	4486.4	4955.3	5275.9	5486.4	5520.8	5314.9	4959.6	4484.9	3938.3	3385.6	2874.3
-17.5°	3644.1	3976.2	4221.2	4386.0	4405.9	4256.3	3990.7	3644.2	3232.9	2822.0	2443.7
-20°	2927.4	3159.2	3331.4	3444.1	3454.1	3355.8	3165.9	2911.8	2626.3	2336.9	2052.3

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2323.3	2487.2	2615.7	2694.7	2694.2	2620.4	2488.5	2320.5	2120.8	1908.9	1689.5
-25°	1809.9	1929.8	2025.5	2081.6	2085.0	2039.5	1953.1	1834.9	1692.1	1534.5	1369.4
-27.5°	1406.3	1502.5	1574.9	1614.5	1616.9	1586.0	1527.0	1442.2	1340.0	1223.7	1101.9
-30°	1080.8	1146.7	1205.6	1240.7	1245.8	1224.7	1183.5	1122.4	1047.3	961.3	868.4
-32.5°	797.7	850.8	899.2	927.3	932.3	918.5	889.2	844.9	792.4	736.9	675.9
-35°	581.9	609.0	638.2	656.8	669.5	669.6	657.1	633.6	599.6	555.3	510.5
-37.5°	470.9	484.3	495.3	501.4	503.8	499.9	493.3	482.0	464.2	442.7	419.4
-40°	401.5	410.3	416.9	420.7	420.3	416.4	410.3	402.3	391.9	380.2	367.5
-42.5°	360.4	366.1	369.5	371.2	369.2	365.1	359.5	354.8	348.3	340.1	331.3
-45°	334.4	338.7	340.9	342.1	337.3	331.2	324.2	319.9	313.9	306.6	299.8
-47.5°	314.4	316.9	318.3	318.9	312.2	304.5	295.9	291.8	286.6	280.3	275.3
-50°	294.4	296.1	297.1	297.5	291.0	283.8	276.1	271.6	266.3	259.6	253.7
-52.5°	281.2	282.0	282.3	282.3	275.8	268.8	261.3	254.8	247.7	239.4	232.6
-55°	272.4	272.7	272.7	272.5	264.2	255.5	245.9	237.6	229.4	220.0	211.5
-57.5°	266.6	266.8	267.1	267.2	255.3	242.9	229.8	219.1	209.8	199.6	189.7
-60°	260.7	261.0	261.0	260.7	244.7	228.1	210.7	197.3	187.9	178.2	168.7
-62.5°	237.1	237.2	236.6	235.3	218.3	200.4	182.0	168.6	162.1	155.8	149.6
-65°	197.4	196.9	195.4	193.0	178.9	164.2	149.1	138.3	134.7	131.0	127.3
-67.5°	144.7	146.9	148.1	148.3	139.8	130.8	121.7	115.2	114.0	112.9	111.9
-70°	98.7	101.1	103.1	104.6	102.4	99.8	97.0	95.0	96.0	96.5	96.7
-72.5°	73.7	74.8	75.6	76.1	75.7	75.1	74.2	73.4	74.0	74.0	73.5
-75°	55.1	55.9	56.4	56.7	56.8	56.6	56.2	55.8	55.9	55.8	55.5
-77.5°	36.1	36.9	37.6	38.0	38.2	38.2	38.0	37.7	37.9	37.9	37.7
-80°	19.0	19.5	19.8	20.1	20.4	20.6	20.7	20.7	20.9	21.0	21.0
-82.5°	6.7	7.0	7.3	7.5	7.7	7.8	7.9	7.9	8.1	8.2	8.3
-85°	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.7	0.8	0.9
-87.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-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°	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.0	5.8	5.6
85°	14.2	14.1	13.9	13.7	13.5	13.2	12.8	12.4	12.0	11.4	10.7
82.5°	25.2	24.8	24.4	23.9	23.4	22.7	22.1	21.3	20.5	19.3	18.2
80°	37.8	37.2	36.6	35.8	35.0	34.0	32.9	31.7	30.4	28.6	26.8
77.5°	51.2	50.5	49.7	48.7	47.5	46.1	44.6	42.9	41.0	38.7	36.3
75°	65.1	64.2	63.2	61.9	60.4	58.7	56.8	54.7	52.2	49.3	46.3
72.5°	79.0	78.0	76.7	75.2	73.4	71.2	68.9	66.4	63.5	60.1	56.5
70°	94.6	93.4	92.1	90.3	87.7	84.6	81.5	78.4	74.4	70.5	66.5
67.5°	111.4	108.8	106.3	103.9	101.6	99.0	95.8	91.9	86.7	81.8	76.8
65°	129.5	125.5	121.5	117.6	114.7	111.4	107.8	104.0	99.4	93.9	87.9
62.5°	147.1	142.3	137.2	132.2	128.8	125.1	121.1	116.4	110.8	105.0	99.2
60°	164.6	158.9	153.1	147.8	143.5	139.0	134.2	129.2	123.3	116.8	109.9
57.5°	183.3	176.4	169.4	163.5	158.3	153.0	147.7	142.0	135.5	129.0	121.5
55°	202.2	195.0	187.0	180.2	173.6	167.5	161.2	155.0	148.3	140.9	135.2
52.5°	221.7	214.2	206.0	198.0	189.7	181.8	175.3	169.1	161.5	153.3	149.7
50°	242.2	234.4	225.7	216.6	207.2	197.4	190.6	183.9	176.1	167.1	165.2
47.5°	264.7	256.5	247.4	237.1	226.2	215.7	207.7	199.5	191.3	184.3	181.0
45°	288.5	278.5	268.7	258.3	246.8	235.9	226.0	216.5	206.6	200.5	195.9
42.5°	314.4	303.1	290.9	279.0	267.0	256.0	244.4	233.5	223.6	215.6	209.6
40°	344.0	329.6	315.9	301.9	288.4	275.6	262.7	250.0	239.8	230.5	222.4
37.5°	388.1	365.1	345.0	326.5	311.5	296.3	281.5	268.2	256.1	244.5	235.2
35°	478.5	430.5	390.7	358.6	335.6	317.9	302.0	288.3	273.6	259.4	247.0
32.5°	639.1	549.5	475.9	413.6	369.0	340.3	324.0	309.3	292.6	275.6	258.8
30°	821.3	721.6	608.6	503.6	426.2	373.5	345.5	329.4	312.8	292.1	272.4
27.5°	1044.5	900.2	762.9	636.2	510.9	423.3	372.1	347.5	330.4	309.3	286.7
25°	1300.3	1111.7	943.6	778.0	632.2	493.2	409.5	366.3	346.0	326.0	301.4
22.5°	1594.8	1350.1	1135.5	942.9	757.9	594.6	459.7	390.2	359.5	340.2	316.1
20°	1911.3	1614.7	1347.8	1116.9	898.9	705.3	520.7	419.4	374.2	352.9	326.2
17.5°	2240.4	1889.5	1574.9	1297.2	1044.6	804.0	605.0	454.7	389.6	358.5	331.2
15°	2583.5	2164.3	1796.4	1476.2	1190.9	917.8	682.9	492.1	403.7	363.1	334.3
12.5°	2943.3	2427.4	2001.3	1644.5	1332.6	1027.6	752.3	538.2	419.0	368.5	336.7
10°	3292.5	2677.2	2191.5	1791.9	1452.1	1130.4	820.9	586.3	434.0	373.9	338.6
7.5°	3612.8	2901.1	2352.2	1913.9	1553.0	1217.9	882.1	624.0	448.4	380.6	343.1
5°	3867.7	3080.6	2475.5	2010.3	1627.7	1280.1	926.7	651.0	460.8	386.5	346.4
2.5°	4033.8	3193.4	2557.9	2070.2	1671.6	1316.7	951.6	665.9	467.1	390.1	348.4
0°	4080.4	3229.2	2589.2	2094.0	1688.8	1329.7	955.3	667.9	467.2	391.2	348.9
-2.5°	3897.5	3112.4	2518.4	2042.8	1646.3	1291.3	927.4	653.0	462.2	389.2	347.7
-5°	3672.9	2947.0	2404.9	1957.3	1576.4	1229.5	880.2	625.1	452.4	384.9	345.1
-7.5°	3408.6	2771.8	2270.5	1845.6	1481.6	1146.8	817.8	584.3	438.8	378.5	341.0
-10°	3105.0	2549.6	2102.7	1706.0	1365.2	1045.6	750.5	534.7	422.8	370.7	335.6
-12.5°	2775.8	2310.2	1912.5	1548.4	1232.7	931.7	678.9	491.8	406.2	361.6	329.0
-15°	2433.5	2055.2	1705.2	1383.7	1097.5	817.5	598.3	455.6	389.6	352.0	321.5
-17.5°	2103.4	1784.9	1483.0	1212.3	956.1	715.8	528.6	425.8	374.0	341.9	313.1
-20°	1779.6	1515.9	1266.4	1040.0	813.6	620.7	475.5	402.1	362.2	332.1	304.4

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1472.7	1263.6	1068.3	872.5	684.9	529.0	433.1	383.6	352.9	324.7	296.5
-25°	1203.9	1044.4	882.5	717.5	568.8	460.1	401.7	369.5	343.7	317.0	289.8
-27.5°	975.7	845.6	711.4	582.7	477.1	413.9	379.6	357.4	334.5	308.1	281.9
-30°	769.7	672.4	559.5	474.8	418.6	385.2	363.3	343.8	323.1	297.7	273.9
-32.5°	595.3	516.1	456.3	410.1	382.1	365.6	348.1	329.1	307.4	286.1	266.3
-35°	467.1	426.9	393.6	371.0	355.5	344.0	331.7	311.4	290.9	273.9	259.8
-37.5°	396.0	375.3	356.8	340.4	329.6	319.9	309.2	292.8	276.7	263.1	252.4
-40°	354.5	340.8	326.8	312.3	302.8	294.5	285.3	277.1	264.5	254.1	245.3
-42.5°	321.4	310.1	299.0	287.8	277.2	271.2	265.5	260.8	254.2	245.6	239.4
-45°	292.2	283.9	275.5	266.2	256.7	251.9	248.9	246.3	244.3	238.4	234.6
-47.5°	269.3	262.0	254.0	246.4	239.9	235.4	233.7	232.4	232.8	232.9	228.6
-50°	247.3	240.1	233.2	228.2	223.6	219.0	217.8	218.3	221.7	226.7	218.5
-52.5°	226.7	220.0	213.5	209.7	205.7	201.5	200.0	202.8	206.8	210.8	204.0
-55°	205.9	199.6	192.9	189.5	186.3	182.5	178.5	182.1	186.0	189.7	188.1
-57.5°	184.7	179.2	173.6	170.2	167.0	161.8	154.6	158.1	163.4	167.5	167.4
-60°	164.9	160.9	156.5	151.9	146.9	140.5	134.3	136.4	141.8	143.0	138.4
-62.5°	145.3	140.8	136.0	131.3	127.4	123.5	119.4	118.0	119.7	116.4	108.3
-65°	124.5	122.0	119.5	117.2	114.4	110.8	105.8	99.9	97.7	93.1	87.5
-67.5°	111.1	110.1	108.8	106.9	102.2	95.9	89.6	84.1	80.7	77.1	73.5
-70°	95.3	92.4	88.8	85.1	81.0	77.1	73.5	70.1	67.2	64.3	61.2
-72.5°	72.3	70.7	69.0	67.2	64.9	62.3	59.5	56.7	54.0	51.4	48.8
-75°	54.8	53.7	52.4	51.0	49.4	47.3	45.2	43.0	40.8	38.9	36.9
-77.5°	37.3	36.7	36.0	35.1	34.1	32.6	31.2	29.7	28.2	26.9	25.5
-80°	20.9	20.7	20.4	19.9	19.3	18.6	17.9	17.0	16.1	15.4	14.5
-82.5°	8.2	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.9	6.8	6.7
-85°	0.9	1.2	1.3	1.5	1.7	2.0	2.1	2.2	2.4	2.5	2.5
-87.5°	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
-90°	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
87.5°	5.4	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.4	3.2	2.9
85°	10.1	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.9	5.3	4.7
82.5°	17.0	15.8	14.8	13.8	12.7	11.7	10.6	9.6	8.6	7.6	6.7
80°	25.0	23.3	21.7	20.1	18.5	16.9	15.3	13.7	12.1	10.4	8.9
77.5°	33.9	31.5	29.4	27.2	25.0	22.8	20.6	18.3	16.1	13.9	11.7
75°	43.2	40.2	37.6	34.8	32.0	29.2	26.3	23.4	20.5	17.6	14.7
72.5°	52.8	49.5	46.2	42.8	39.4	35.9	32.3	28.8	25.2	21.6	17.9
70°	62.5	58.7	54.9	51.0	47.0	42.8	38.7	34.4	30.1	25.8	21.4
67.5°	71.7	67.9	63.9	59.4	54.6	50.0	45.2	40.3	35.3	30.1	24.9
65°	82.2	77.6	72.6	67.8	62.6	57.2	51.9	46.2	40.6	34.5	28.6
62.5°	93.7	89.0	83.0	76.4	70.6	64.7	58.5	52.4	45.9	39.0	32.3
60°	106.0	101.8	95.2	87.4	78.8	72.0	65.3	58.4	51.3	43.5	36.0
57.5°	119.2	115.3	109.1	100.2	89.0	79.2	72.0	64.5	56.5	47.9	39.8
55°	133.5	129.8	123.6	114.4	100.4	87.9	78.1	70.5	61.5	52.3	43.5
52.5°	147.8	144.4	138.7	128.6	113.4	97.6	85.1	75.9	66.4	56.6	47.0
50°	162.7	158.8	153.2	143.5	127.8	109.2	92.8	81.1	71.1	60.7	50.5
47.5°	177.9	173.7	167.4	158.0	143.4	122.9	102.0	86.6	75.2	64.6	54.0
45°	192.6	188.4	180.8	172.1	158.7	138.0	113.4	92.7	79.4	68.3	57.2
42.5°	205.5	201.3	192.7	184.2	173.3	153.9	125.2	99.5	83.8	71.8	60.2
40°	216.9	210.3	202.5	194.9	185.8	169.1	135.8	106.9	88.2	75.0	63.1
37.5°	226.4	217.7	210.3	203.4	195.8	178.4	144.7	114.0	92.7	78.2	65.7
35°	235.5	225.1	216.6	210.1	204.1	181.9	151.0	120.1	97.1	81.4	68.3
32.5°	245.1	232.7	222.6	215.5	203.7	182.9	155.1	124.8	101.1	84.4	70.9
30°	254.8	240.9	229.0	217.6	202.7	182.7	157.2	128.2	104.4	87.2	73.5
27.5°	265.9	249.4	234.0	218.0	202.3	182.2	157.8	130.0	106.8	90.0	75.9
25°	278.0	256.5	236.5	219.2	202.3	181.6	157.2	130.4	108.2	92.8	78.3
22.5°	288.1	260.5	239.0	220.6	202.5	181.1	155.9	129.9	111.2	95.5	80.4
20°	293.8	264.7	241.3	221.6	203.0	180.7	154.2	132.7	113.9	97.8	82.4
17.5°	298.4	268.2	243.0	222.3	203.3	180.8	156.6	135.6	116.4	99.9	84.3
15°	301.9	270.6	244.3	222.8	203.9	182.6	158.7	138.0	118.4	101.8	85.9
12.5°	304.3	272.4	246.1	224.8	205.0	183.6	160.3	139.8	120.2	103.4	87.3
10°	307.2	276.6	250.0	226.9	205.9	184.0	161.2	141.1	121.5	104.7	88.4
7.5°	311.2	280.3	253.3	228.8	206.2	183.8	161.4	141.8	122.6	105.7	89.4
5°	314.0	283.0	255.8	230.0	206.2	183.1	161.0	142.1	123.2	106.5	90.1
2.5°	315.4	284.5	257.4	230.7	205.7	181.8	160.0	141.9	123.5	107.0	90.6
0°	315.5	285.0	258.2	230.7	204.5	180.0	158.6	141.4	123.5	107.2	90.9
-2.5°	314.5	284.5	257.6	230.2	204.5	180.4	158.9	141.5	123.5	107.2	90.9
-5°	312.3	283.0	256.1	228.9	203.7	180.2	158.7	141.2	123.2	106.9	90.6
-7.5°	308.8	280.5	253.7	226.8	202.4	179.5	158.1	140.5	122.6	106.3	90.1
-10°	304.4	277.1	250.3	224.1	200.6	178.1	157.0	139.5	121.7	105.5	89.4
-12.5°	299.4	272.9	246.0	220.8	198.4	176.3	155.5	138.1	120.5	104.4	88.5
-15°	293.6	267.8	241.8	217.3	195.6	173.9	153.5	136.3	119.0	103.0	87.3
-17.5°	286.9	262.3	237.9	215.0	193.4	171.0	151.2	134.1	117.3	101.4	86.0
-20°	279.6	256.5	234.0	212.4	191.1	168.4	148.7	131.5	115.2	99.6	84.5

REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-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°	271.8	250.7	230.0	209.5	188.1	165.2	145.8	128.6	112.8	97.6	82.7
-25°	265.6	245.1	225.8	206.2	184.2	161.3	142.3	125.2	110.2	95.3	80.6
-27.5°	259.9	240.6	221.7	201.9	179.3	156.7	138.3	121.6	106.9	92.8	78.4
-30°	254.3	236.5	218.1	196.5	173.1	151.4	133.6	117.6	103.2	89.9	76.1
-32.5°	249.3	232.9	215.4	191.6	166.2	145.7	128.4	113.1	99.2	86.4	73.9
-35°	244.9	230.2	212.8	188.0	158.3	139.3	122.9	108.3	95.0	82.6	71.1
-37.5°	241.8	229.0	210.3	183.8	155.3	132.6	117.1	103.1	90.5	78.5	67.5
-40°	239.7	228.2	206.5	178.7	151.7	126.7	110.8	97.7	85.6	74.4	63.8
-42.5°	235.5	226.0	201.0	173.5	147.1	122.7	104.1	91.9	80.6	70.5	60.0
-45°	229.2	217.7	194.2	167.3	140.9	117.0	97.8	85.9	75.4	66.1	56.2
-47.5°	219.2	204.7	186.2	158.9	132.8	110.0	92.0	79.6	70.3	61.4	52.4
-50°	205.6	190.9	173.7	148.0	122.7	101.4	85.1	73.4	65.2	56.8	48.5
-52.5°	190.8	175.1	156.7	134.2	110.6	91.9	77.9	67.7	59.8	52.2	44.5
-55°	173.4	155.7	136.9	118.2	97.6	82.0	71.1	62.1	54.5	47.6	40.5
-57.5°	150.9	132.8	115.1	100.0	84.6	73.2	64.6	56.3	49.2	42.8	36.5
-60°	123.8	108.2	95.5	84.0	73.8	65.7	57.8	50.6	43.8	38.1	32.6
-62.5°	98.5	89.0	80.2	72.4	65.3	57.9	51.1	44.8	38.4	33.5	28.6
-65°	81.7	75.3	69.2	62.9	56.5	50.3	44.5	38.8	33.3	28.9	24.7
-67.5°	69.6	64.4	58.9	53.4	47.9	42.9	37.8	33.0	28.3	24.4	20.9
-70°	57.7	53.5	48.7	44.2	39.8	35.5	31.3	27.3	23.4	20.1	17.2
-72.5°	46.0	42.7	38.9	35.3	31.8	28.3	24.9	21.7	18.6	15.9	13.7
-75°	34.8	32.3	29.4	26.7	24.0	21.5	18.8	16.2	14.0	12.0	10.4
-77.5°	23.9	22.2	20.3	18.3	16.4	14.6	12.8	11.2	9.7	8.4	7.7
-80°	13.6	12.6	11.5	10.6	9.6	8.6	8.0	7.3	6.5	5.8	5.5
-82.5°	6.5	6.3	6.1	5.8	5.5	5.1	4.7	4.3	3.9	3.4	3.4
-85°	2.6	2.6	2.5	2.5	2.3	2.1	2.1	2.0	1.9	1.7	1.9
-87.5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.9
-90°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.4	0.5	0.6	0.7	0.9	1.0	1.1
87.5°	2.6	2.2	2.0	1.8	1.5	1.3	1.1
85°	4.1	3.5	3.0	2.4	1.9	1.5	1.1
82.5°	5.8	4.9	4.0	3.2	2.4	1.7	1.1
80°	7.4	6.2	5.1	4.0	2.9	1.8	1.1
77.5°	9.6	7.7	6.2	4.8	3.4	2.1	1.1
75°	12.0	9.5	7.3	5.6	4.0	2.3	1.1
72.5°	14.5	11.5	8.7	6.4	4.5	2.6	1.1
70°	17.2	13.5	10.2	7.2	5.0	2.9	1.1
67.5°	20.1	15.6	11.7	8.2	5.5	3.1	1.1
65°	23.0	17.8	13.2	9.3	6.0	3.4	1.1
62.5°	26.0	20.1	14.8	10.3	6.5	3.6	1.1
60°	28.9	22.4	16.5	11.4	7.0	3.8	1.1
57.5°	32.0	24.7	18.3	12.5	7.6	4.0	1.1
55°	35.0	27.0	20.0	13.6	8.2	4.3	1.1
52.5°	38.0	29.3	21.7	14.7	8.8	4.5	1.1
50°	40.9	31.7	23.4	15.8	9.5	4.7	1.1
47.5°	43.6	34.0	25.1	17.0	10.1	4.9	1.1
45°	46.3	36.3	26.8	18.1	10.6	5.1	1.1
42.5°	48.9	38.5	28.4	19.2	11.2	5.3	1.1
40°	51.4	40.6	30.0	20.3	11.8	5.5	1.1
37.5°	54.0	42.6	31.5	21.3	12.3	5.7	1.1
35°	56.5	44.6	33.0	22.3	12.8	5.8	1.1
32.5°	58.8	46.4	34.3	23.2	13.3	6.0	1.1
30°	60.9	48.1	35.7	24.0	13.8	6.1	1.1
27.5°	62.8	49.8	36.9	24.9	14.2	6.3	1.1
25°	64.7	51.3	38.1	25.7	14.6	6.4	1.1
22.5°	66.4	52.7	39.1	26.4	15.0	6.5	1.1
20°	68.0	54.1	40.1	27.1	15.4	6.6	1.1
17.5°	69.4	55.3	41.0	27.6	15.7	6.7	1.1
15°	70.6	56.4	41.8	28.2	16.0	6.8	1.1
12.5°	71.7	57.3	42.4	28.6	16.3	6.8	1.1
10°	72.6	58.0	43.0	29.0	16.5	6.9	1.1
7.5°	73.3	58.6	43.5	29.3	16.7	6.9	1.1
5°	73.8	59.1	43.9	29.5	16.8	7.0	1.1
2.5°	74.2	59.4	44.1	29.6	16.9	7.0	1.1
0°	74.4	59.6	44.2	29.7	16.9	7.0	1.1
-2.5°	74.4	59.5	44.1	29.6	16.9	7.0	1.1
-5°	74.2	59.3	43.9	29.5	16.8	7.0	1.1
-7.5°	73.9	58.9	43.6	29.3	16.6	6.9	1.1
-10°	73.4	58.3	43.2	29.0	16.5	6.9	1.1
-12.5°	72.8	57.6	42.6	28.6	16.2	6.8	1.1
-15°	72.0	56.8	41.9	28.2	16.0	6.7	1.1
-17.5°	70.8	55.8	41.1	27.7	15.7	6.6	1.1
-20°	69.5	54.6	40.3	27.1	15.3	6.5	1.1



REPORT NUMBER: P1217540 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	68.0	53.3	39.3	26.4	14.9	6.4	1.1
-25°	66.3	52.0	38.3	25.7	14.5	6.3	1.1
-27.5°	64.4	50.5	37.1	24.8	14.1	6.2	1.1
-30°	62.4	48.8	35.9	24.0	13.6	6.0	1.1
-32.5°	60.1	47.0	34.6	23.1	13.1	5.9	1.1
-35°	57.7	45.2	33.2	22.1	12.6	5.7	1.1
-37.5°	55.2	43.2	31.7	21.2	12.1	5.5	1.1
-40°	52.6	41.1	30.1	20.1	11.5	5.3	1.1
-42.5°	49.8	38.9	28.5	19.0	10.9	5.1	1.1
-45°	46.6	36.7	26.8	17.9	10.3	4.9	1.1
-47.5°	43.5	34.4	25.0	16.7	9.7	4.7	1.1
-50°	40.2	32.0	23.2	15.6	9.1	4.5	1.1
-52.5°	37.0	29.5	21.5	14.4	8.5	4.3	1.1
-55°	33.7	26.9	19.7	13.2	7.9	4.0	1.1
-57.5°	30.4	24.2	17.9	12.0	7.3	3.8	1.1
-60°	27.0	21.6	16.1	10.9	6.7	3.6	1.1
-62.5°	23.7	19.1	14.3	9.7	6.2	3.3	1.1
-65°	20.5	16.6	12.6	8.7	5.6	3.1	1.1
-67.5°	17.5	14.2	10.9	7.6	5.1	2.8	1.1
-70°	14.5	11.9	9.3	6.7	4.5	2.6	1.1
-72.5°	11.6	9.8	7.8	5.8	3.9	2.3	1.1
-75°	9.1	7.9	6.6	4.9	3.4	2.1	1.1
-77.5°	7.0	6.2	5.3	4.0	2.9	1.8	1.1
-80°	5.0	4.7	4.1	3.1	2.4	1.6	1.1
-82.5°	3.4	3.2	2.9	2.3	1.9	1.5	1.1
-85°	2.0	2.0	1.9	1.7	1.5	1.3	1.1
-87.5°	1.0	1.1	1.1	1.1	1.2	1.1	1.1
-90°	1.4	1.3	1.3	1.3	1.2	1.2	1.1

(END OF REPORT)