

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: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-3000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217539 (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-3000K-5H5V
Description: 30W Tracer Floodlight , NEMA 5H5V , Black Finish
Light Source: 80 CRI,3000K
Ballast/Driver: -

Summary

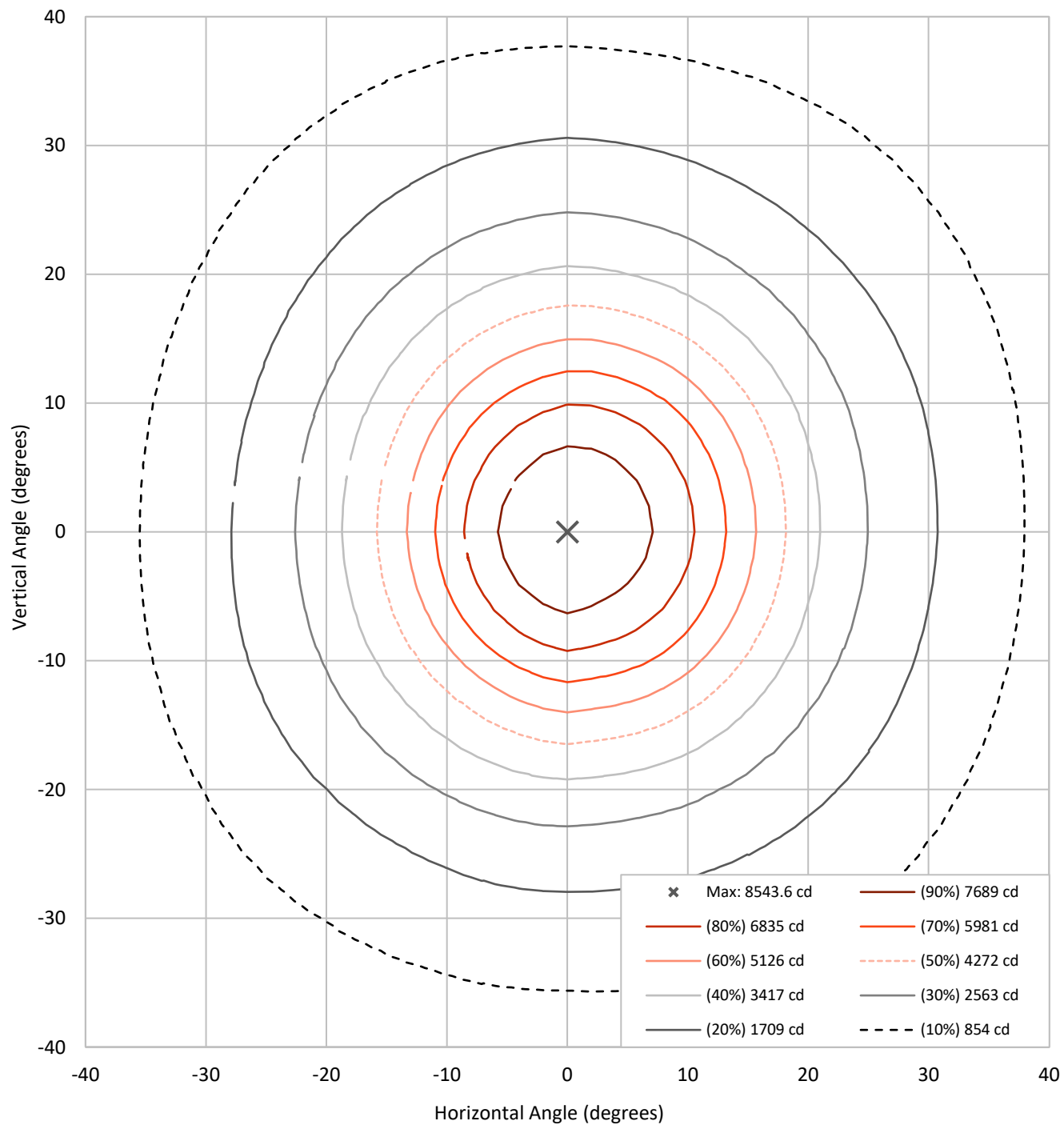
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	4636.4 lumens	Max Intensity:	8543.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.7 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	34°H x 34°V	Field Angle (10%):	73.3°H x 73.1°V
Beam Lumens:	1653.4 lumens	Field Lumens:	3661.9 lumens
Beam Efficiency:	35.7%	Field Efficiency:	79.0%

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



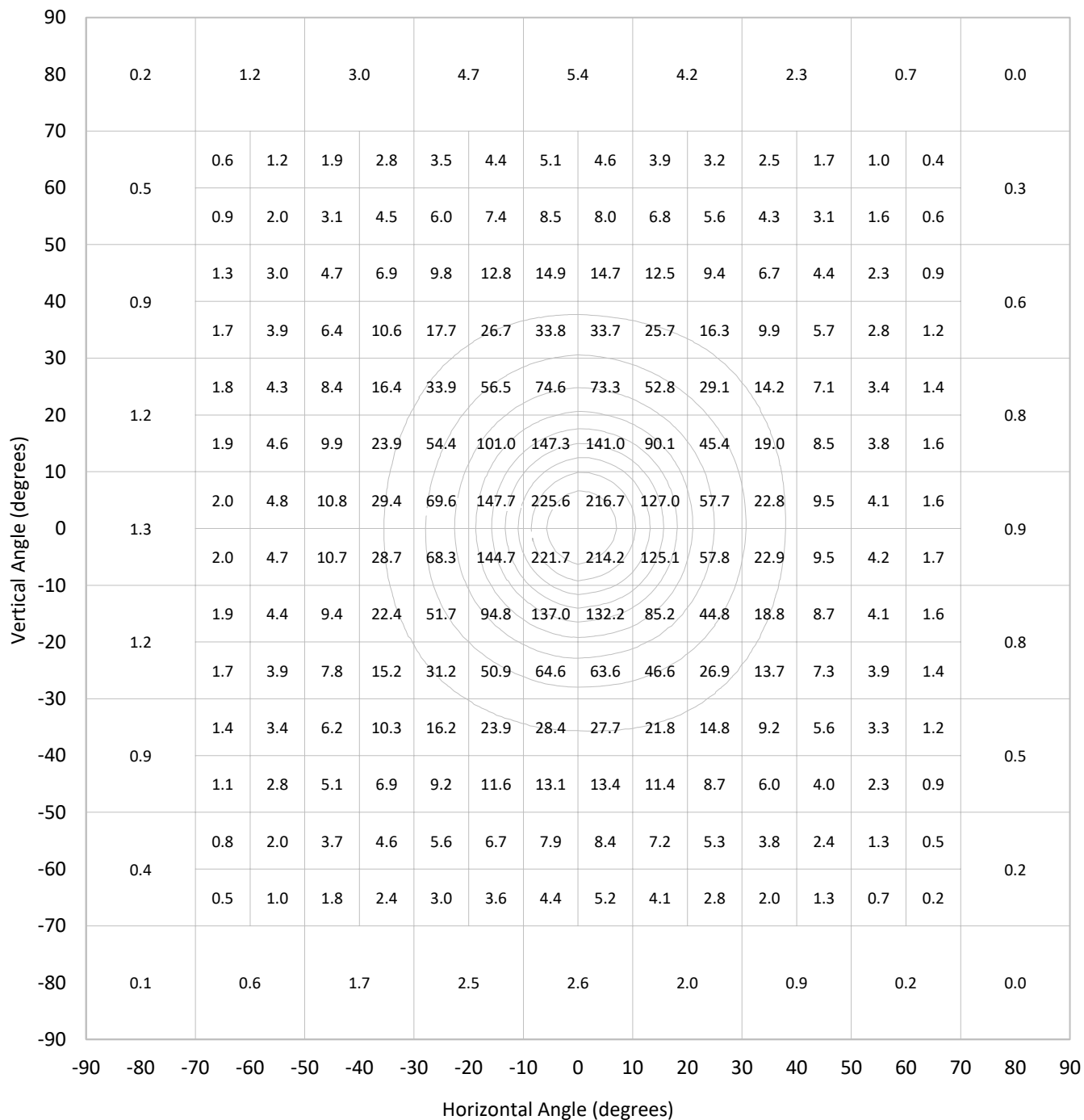
REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



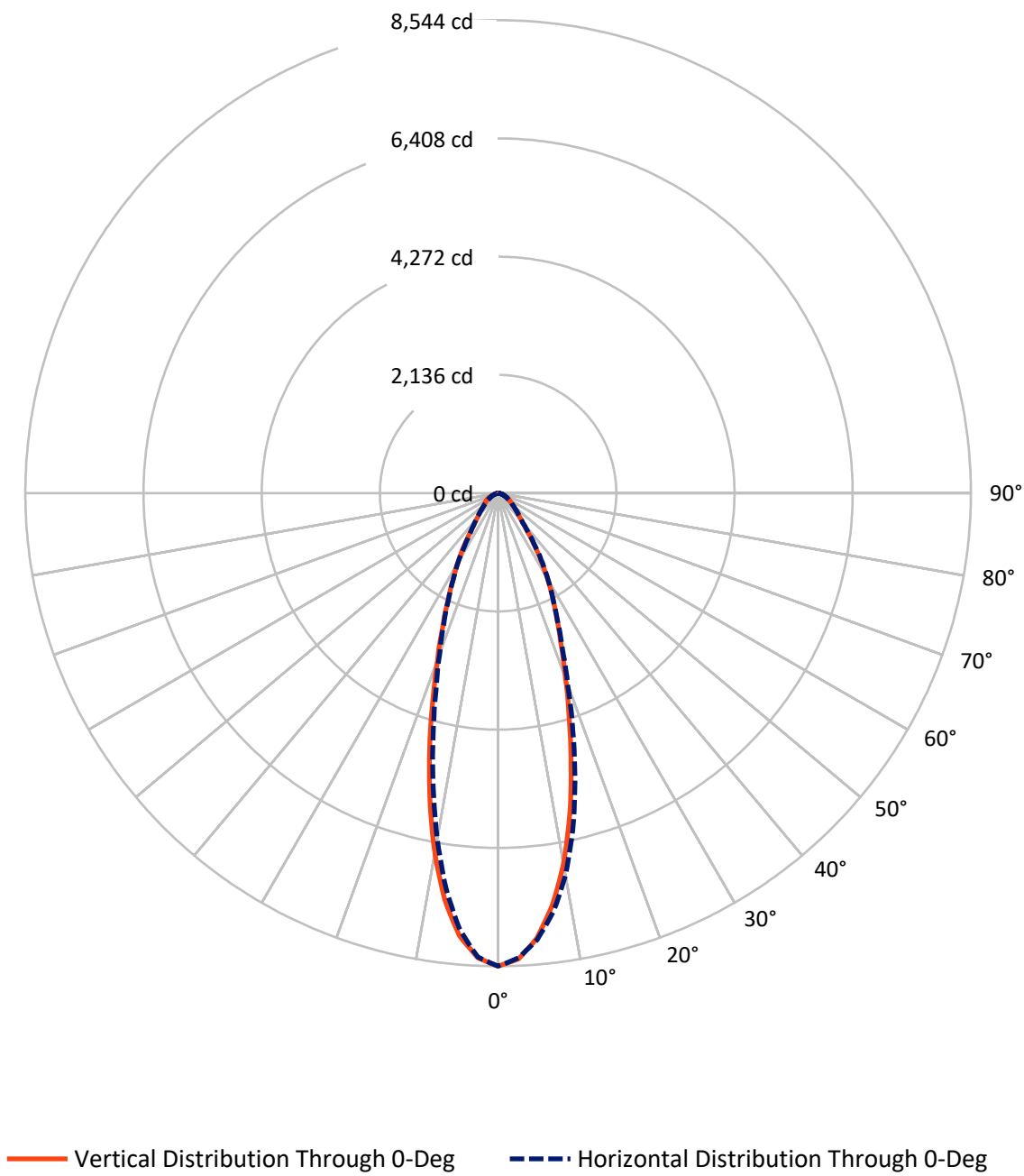
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Lumen Table



REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

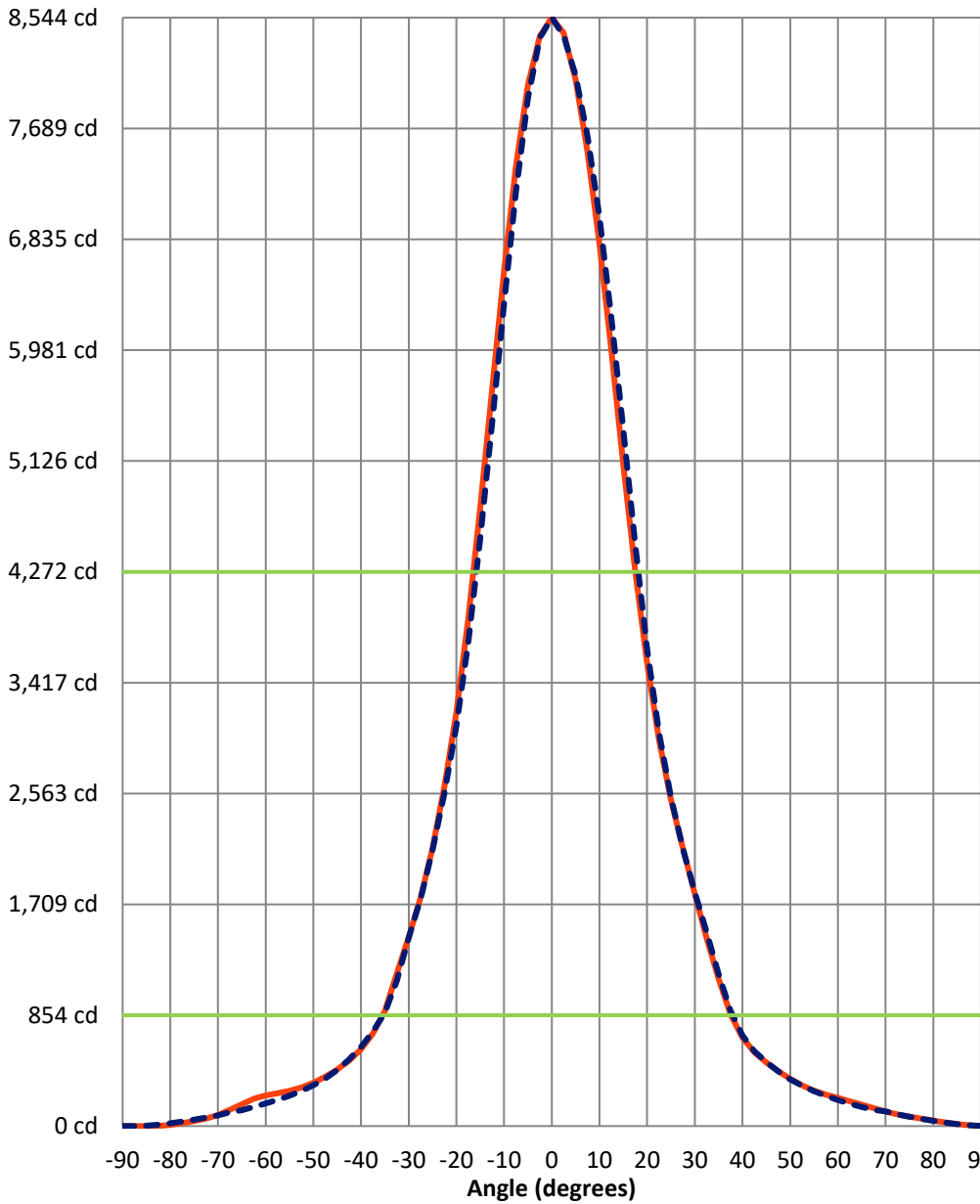
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
H Angle: 34°
V Angle: 34°
Lumens: 1653.4
Efficiency: 35.7%

Field:
H Angle: 73.3°
V Angle: 73.1°
Lumens: 3661.9
Efficiency: 79.0%

Spill:
Lumens: 974.5
Efficiency: 21.0%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.1	0.1	0.1	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	0.2	0.2	0.2	0.3
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.7	1.0
82.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.8	1.2	1.8	2.5
80°	0.1	0.1	0.1	0.1	0.2	0.5	0.9	1.6	2.4	3.5	4.7
77.5°	0.1	0.1	0.1	0.1	0.4	0.9	1.8	2.8	4.1	5.7	7.6
75°	0.1	0.1	0.1	0.2	0.7	1.6	2.9	4.3	6.2	8.4	11.2
72.5°	0.1	0.1	0.1	0.4	1.2	2.5	4.1	6.2	8.6	11.7	15.5
70°	0.1	0.1	0.1	0.6	1.7	3.4	5.6	8.3	11.6	15.5	19.9
67.5°	0.1	0.1	0.2	0.9	2.4	4.5	7.3	10.8	14.9	19.4	24.3
65°	0.1	0.1	0.2	1.2	3.1	5.7	9.2	13.6	18.3	23.2	29.1
62.5°	0.1	0.1	0.3	1.5	3.8	7.1	11.4	16.5	21.6	27.2	34.0
60°	0.1	0.1	0.4	1.9	4.6	8.6	13.8	19.4	25.2	31.4	38.9
57.5°	0.1	0.1	0.6	2.4	5.6	10.3	16.2	22.3	28.8	35.9	43.9
55°	0.1	0.1	0.7	2.8	6.6	12.1	18.6	25.2	32.6	40.3	48.6
52.5°	0.1	0.1	0.8	3.3	7.6	14.0	20.8	28.3	36.5	44.8	53.3
50°	0.1	0.1	1.0	3.8	8.7	15.8	23.2	31.4	40.2	49.2	58.1
47.5°	0.1	0.1	1.1	4.3	9.8	17.5	25.5	34.6	44.0	53.5	63.3
45°	0.1	0.1	1.3	4.9	11.0	19.1	27.9	37.7	47.6	57.8	68.3
42.5°	0.1	0.1	1.5	5.5	12.2	20.7	30.2	40.7	51.2	62.1	73.3
40°	0.1	0.1	1.7	6.0	13.3	22.2	32.6	43.5	54.7	66.2	78.4
37.5°	0.1	0.1	1.8	6.6	14.4	23.7	34.8	46.3	58.1	70.3	83.7
35°	0.1	0.1	2.0	7.1	15.5	25.2	36.8	49.0	61.4	74.3	89.5
32.5°	0.1	0.2	2.2	7.6	16.4	26.6	38.7	51.4	64.6	78.2	95.7
30°	0.1	0.2	2.4	8.1	17.3	27.9	40.4	53.7	67.6	82.2	101.9
27.5°	0.1	0.2	2.5	8.6	18.1	29.2	42.0	55.8	70.2	86.4	106.8
25°	0.1	0.2	2.7	9.0	18.9	30.4	43.5	57.6	72.5	91.0	110.3
22.5°	0.1	0.2	2.8	9.4	19.5	31.5	44.9	59.3	74.7	94.8	112.6
20°	0.1	0.3	3.0	9.7	20.1	32.5	46.1	60.9	76.6	98.2	113.9
17.5°	0.1	0.3	3.1	10.1	20.6	33.3	47.1	62.3	78.4	101.2	115.5
15°	0.1	0.3	3.2	10.4	21.0	34.0	48.0	63.4	79.8	103.4	117.2
12.5°	0.1	0.3	3.2	10.6	21.4	34.5	48.8	64.3	81.0	105.1	118.9
10°	0.1	0.3	3.3	10.7	21.6	34.9	49.3	65.0	82.0	106.1	120.3
7.5°	0.1	0.3	3.3	10.8	21.8	35.1	49.7	65.5	82.7	106.8	121.4
5°	0.1	0.3	3.3	10.9	21.9	35.3	49.9	65.8	83.0	107.1	122.1
2.5°	0.1	0.3	3.3	10.9	21.9	35.2	49.9	65.9	82.9	107.2	122.5
0°	0.1	0.3	3.3	10.8	21.8	35.1	49.7	65.7	82.6	107.0	122.4
-2.5°	0.1	0.3	3.3	10.7	21.6	34.9	49.4	65.4	82.4	106.6	123.2
-5°	0.1	0.3	3.2	10.5	21.4	34.5	49.0	64.8	81.8	105.8	123.5
-7.5°	0.1	0.3	3.1	10.3	21.1	34.1	48.4	64.0	81.0	104.6	123.2
-10°	0.1	0.3	3.0	10.0	20.7	33.5	47.6	63.0	79.8	102.9	122.4
-12.5°	0.1	0.3	2.9	9.7	20.2	32.7	46.7	61.8	78.4	100.7	121.2
-15°	0.1	0.3	2.8	9.4	19.6	31.9	45.5	60.3	76.7	97.8	119.3
-17.5°	0.1	0.2	2.6	8.9	18.9	30.9	44.2	58.7	74.8	94.6	116.8
-20°	0.1	0.2	2.5	8.5	18.2	29.8	42.7	56.9	72.6	91.1	113.7



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CATALOG NUMBER: TRX30S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	0.2	2.3	8.0	17.3	28.5	41.0	54.9	70.0	87.5	110.0
-25°	0.1	0.2	2.1	7.5	16.5	27.1	39.3	52.7	67.2	83.9	106.8
-27.5°	0.1	0.2	1.9	7.0	15.5	25.7	37.4	50.4	64.2	80.6	102.7
-30°	0.1	0.2	1.8	6.4	14.4	24.2	35.3	48.0	61.2	77.1	97.7
-32.5°	0.1	0.1	1.6	5.8	13.2	22.7	33.4	45.4	58.4	73.4	92.1
-35°	0.1	0.1	1.4	5.3	12.1	21.1	31.3	42.6	55.3	69.6	86.2
-37.5°	0.1	0.1	1.2	4.7	11.0	19.4	29.0	39.8	52.0	65.6	80.4
-40°	0.1	0.1	1.1	4.1	9.8	17.7	26.5	36.9	48.7	61.6	75.1
-42.5°	0.1	0.1	0.9	3.6	8.6	15.9	24.2	33.9	45.2	57.3	70.1
-45°	0.1	0.1	0.8	3.1	7.5	14.0	21.9	30.9	41.5	52.4	65.1
-47.5°	0.1	0.1	0.6	2.6	6.4	12.0	19.5	27.6	37.3	47.9	59.8
-50°	0.1	0.1	0.5	2.1	5.3	10.3	17.0	24.3	33.3	43.4	53.5
-52.5°	0.1	0.1	0.4	1.7	4.2	8.6	14.4	21.2	29.0	38.2	47.6
-55°	0.1	0.1	0.3	1.3	3.4	7.0	11.8	18.1	24.6	33.2	41.9
-57.5°	0.1	0.1	0.3	1.0	2.6	5.4	9.5	14.9	20.8	27.7	35.4
-60°	0.1	0.1	0.3	0.8	2.0	4.0	7.3	11.6	17.1	22.5	29.1
-62.5°	0.1	0.1	0.2	0.5	1.4	2.9	5.4	8.7	13.1	18.1	22.9
-65°	0.1	0.1	0.1	0.4	1.0	2.0	3.7	6.2	9.4	13.6	17.9
-67.5°	0.1	0.1	0.1	0.3	0.6	1.3	2.4	4.0	6.3	9.2	12.8
-70°	0.1	0.1	0.1	0.2	0.4	0.8	1.5	2.4	3.7	5.7	8.0
-72.5°	0.1	0.1	0.1	0.2	0.2	0.5	0.9	1.4	2.0	2.9	4.4
-75°	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.0	1.4	2.0
-77.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9
-80°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4
-82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-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	0.2	0.2	0.2	0.2	0.2



REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

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°	0.3	0.4	0.5	0.7	0.8	1.0	1.3	1.5	1.7	2.0	2.2
85°	1.3	1.7	2.2	2.8	3.4	4.0	4.5	5.0	5.5	6.0	6.6
82.5°	3.3	4.3	5.2	6.4	7.5	8.8	9.8	10.7	11.6	12.5	13.7
80°	6.1	7.7	9.5	11.5	13.6	15.7	17.2	18.5	19.6	20.8	22.3
77.5°	9.8	12.5	15.2	17.8	20.3	23.0	25.2	27.0	28.6	30.2	32.2
75°	14.5	17.9	21.1	24.4	27.9	31.5	34.4	36.6	38.6	40.6	42.8
72.5°	19.4	23.3	27.5	31.8	36.1	40.4	44.1	46.7	49.1	51.2	54.0
70°	24.4	29.4	34.5	39.5	44.6	49.6	54.2	57.1	60.0	62.6	65.7
67.5°	29.8	35.7	41.6	47.4	53.2	58.8	64.4	67.8	71.2	74.4	77.9
65°	35.4	42.0	48.9	55.4	61.7	68.0	74.2	78.7	83.0	87.2	91.2
62.5°	41.1	48.5	56.1	63.3	70.2	77.3	84.6	90.7	96.7	102.9	107.7
60°	46.8	54.9	63.1	71.1	79.0	87.2	96.6	106.9	115.5	122.0	126.4
57.5°	52.4	61.1	70.1	79.1	88.3	99.1	112.8	127.9	136.3	141.9	145.7
55°	57.8	67.3	77.2	87.6	99.3	113.8	130.2	146.8	155.8	160.7	165.9
52.5°	63.3	73.6	84.6	97.1	111.9	128.8	146.1	162.1	173.9	182.0	189.7
50°	68.6	80.0	92.6	107.5	124.6	142.5	159.9	176.3	195.0	204.8	211.4
47.5°	74.1	86.7	101.2	117.7	136.3	155.4	173.4	193.7	212.6	222.7	228.8
45°	79.6	93.7	109.5	126.7	146.9	167.7	189.4	209.8	224.9	237.7	248.6
42.5°	85.7	100.4	116.1	134.9	156.3	181.1	204.4	221.8	236.2	254.1	271.9
40°	92.5	106.1	122.0	142.5	165.9	192.9	216.4	232.3	251.0	273.2	298.7
37.5°	99.4	111.0	127.6	149.5	175.8	202.5	224.7	244.8	268.2	295.2	326.0
35°	105.5	116.9	132.8	156.7	184.3	210.5	233.4	259.4	287.3	319.0	355.4
32.5°	109.9	122.9	140.6	163.7	191.9	217.8	244.0	274.1	307.5	344.6	385.3
30°	113.6	129.2	148.9	171.6	199.0	225.9	255.8	289.3	327.6	370.0	417.9
27.5°	117.9	135.3	156.8	180.6	206.4	234.9	267.9	305.1	347.7	396.0	451.4
25°	122.4	141.6	164.0	188.7	215.1	244.8	279.8	320.7	367.1	422.3	486.0
22.5°	126.6	147.6	170.2	195.9	223.7	255.9	292.6	335.7	387.3	449.1	520.8
20°	130.5	153.0	175.6	202.3	232.1	266.5	306.4	351.4	407.0	476.4	555.6
17.5°	134.0	157.6	180.4	208.1	239.9	276.6	319.6	368.0	428.7	502.7	589.1
15°	137.2	161.5	185.1	213.2	247.0	286.1	331.5	383.6	449.8	530.0	621.9
12.5°	140.3	165.0	189.8	218.9	253.3	294.6	341.6	397.5	468.9	553.9	653.6
10°	142.8	168.1	193.9	223.9	259.4	302.1	350.3	409.4	485.0	574.3	680.8
7.5°	144.9	170.7	197.2	228.0	264.3	308.0	357.4	419.3	498.1	590.7	702.5
5°	146.4	172.7	199.7	231.0	267.9	312.2	362.6	426.8	507.5	602.9	718.2
2.5°	147.3	174.1	201.4	233.0	270.2	314.6	365.6	431.0	513.0	609.7	727.1
0°	147.6	174.9	202.3	234.0	271.1	315.2	366.4	432.0	514.3	611.0	728.9
-2.5°	149.1	177.4	204.5	235.6	272.3	315.9	367.1	432.1	512.9	608.2	724.3
-5°	149.9	179.2	206.0	236.2	272.3	314.9	365.5	429.0	507.4	600.1	712.4
-7.5°	149.8	180.3	206.8	235.8	271.0	312.2	361.5	423.0	498.3	587.1	693.7
-10°	149.0	180.6	207.1	234.6	268.6	308.0	355.7	414.6	486.5	570.1	671.1
-12.5°	147.5	179.9	206.9	232.7	265.3	302.7	348.9	405.4	472.4	551.0	644.3
-15°	145.3	178.1	206.1	230.3	261.2	297.1	341.3	394.4	456.9	529.7	614.4
-17.5°	142.7	175.0	205.3	228.0	256.4	290.4	331.8	381.6	439.8	506.5	581.7
-20°	139.4	172.4	204.6	225.9	251.2	282.9	320.8	367.7	420.7	479.1	547.7

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CATALOG NUMBER: TRX30S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	137.0	168.9	203.0	224.1	246.0	274.7	309.4	350.9	397.1	450.7	512.3
-25°	134.0	164.6	199.9	222.9	241.2	266.4	295.8	330.6	372.8	421.0	475.9
-27.5°	130.0	160.0	194.4	222.1	237.5	256.2	280.8	311.0	348.2	390.9	438.5
-30°	125.1	154.6	187.2	220.0	232.3	245.5	266.3	292.5	323.4	360.4	400.3
-32.5°	118.9	148.5	179.4	211.1	225.9	235.6	252.5	274.5	300.7	329.7	363.2
-35°	111.5	141.1	171.0	194.4	216.8	226.8	239.5	257.9	278.1	301.9	329.1
-37.5°	102.8	132.0	157.0	177.9	201.6	217.6	227.8	240.4	256.8	276.4	298.4
-40°	93.5	120.2	143.0	161.8	181.7	204.1	215.8	223.9	236.3	252.3	270.4
-42.5°	84.7	106.5	128.5	146.8	163.4	182.6	199.8	207.8	216.9	229.0	245.6
-45°	77.3	93.2	113.7	131.8	146.4	161.4	177.1	190.0	197.7	207.2	221.9
-47.5°	70.7	82.2	98.8	116.7	131.0	142.3	154.3	166.8	176.9	187.4	200.4
-50°	64.0	73.7	85.6	100.9	115.8	126.2	134.8	143.8	153.2	167.5	179.9
-52.5°	56.8	66.0	75.3	86.6	99.6	110.9	118.6	124.9	133.3	147.1	159.5
-55°	49.4	57.8	66.5	75.2	84.7	95.1	103.9	109.4	117.6	128.1	139.4
-57.5°	42.8	49.8	56.9	65.2	72.7	80.6	88.7	95.8	104.2	112.7	121.3
-60°	35.6	42.2	48.7	54.7	61.9	68.6	75.0	82.3	91.3	98.7	106.1
-62.5°	28.6	34.4	40.2	46.0	51.4	57.1	62.6	69.5	77.6	86.0	92.7
-65°	22.1	26.7	31.6	36.9	41.8	46.6	51.2	56.8	62.8	69.8	77.7
-67.5°	16.5	20.1	23.8	27.8	32.3	36.4	40.4	45.2	50.2	55.0	60.0
-70°	10.9	14.0	17.1	20.2	23.4	26.6	30.1	33.8	37.9	41.9	45.7
-72.5°	6.0	8.1	10.5	13.1	15.7	18.2	20.7	23.4	26.2	29.2	31.9
-75°	2.7	3.6	4.9	6.5	8.2	10.0	12.0	14.1	16.2	18.3	20.2
-77.5°	1.1	1.3	1.7	2.3	3.0	3.7	4.7	5.9	7.0	8.1	9.4
-80°	0.5	0.5	0.6	0.7	0.9	1.0	1.2	1.5	1.8	2.1	2.6
-82.5°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
-85°	0.1	0.1	0.1	0.1	0.1	0.1	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
-90°	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5

REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

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°	2.4	2.7	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.8	5.0
85°	7.3	7.9	8.5	9.1	9.8	10.4	11.1	11.5	12.0	12.3	12.7
82.5°	14.9	16.1	17.2	18.3	19.3	20.3	21.2	21.9	22.5	23.0	23.5
80°	23.9	25.5	27.1	28.7	30.2	31.7	33.1	34.0	34.9	35.6	36.1
77.5°	34.4	36.6	38.6	40.6	42.6	44.5	46.2	47.4	48.3	49.1	49.8
75°	45.6	48.2	50.7	53.3	55.8	58.1	60.2	61.7	62.7	63.6	64.3
72.5°	57.3	60.5	63.6	66.7	69.6	72.4	75.1	76.8	78.0	79.0	79.8
70°	69.6	73.4	77.1	80.7	84.6	88.4	92.2	94.8	95.8	96.4	96.5
67.5°	82.4	87.2	91.9	96.6	100.8	104.6	108.1	110.5	111.7	112.7	113.5
65°	97.0	102.5	107.2	111.3	116.1	120.8	125.0	128.4	130.5	132.2	133.6
62.5°	113.3	118.9	124.2	128.6	134.0	139.1	143.9	148.1	151.5	154.7	157.6
60°	131.0	137.0	142.6	147.8	153.8	159.9	165.2	169.7	174.6	179.3	183.7
57.5°	149.2	156.7	164.1	170.1	176.0	182.4	188.3	193.4	199.7	205.8	211.1
55°	172.0	179.9	187.4	193.6	199.5	206.7	213.8	220.6	227.9	235.1	241.4
52.5°	196.2	202.7	210.1	217.3	224.7	234.3	244.2	253.9	263.4	272.3	280.0
50°	217.1	224.0	233.8	244.4	255.7	268.4	281.9	294.9	307.1	318.2	327.9
47.5°	237.7	248.8	262.1	277.2	293.0	309.5	326.8	343.5	359.0	372.9	384.8
45°	262.1	277.9	295.3	315.3	335.9	356.8	378.5	399.7	419.4	436.6	451.3
42.5°	290.6	311.2	333.6	358.6	384.8	411.6	438.8	465.6	490.4	512.1	529.6
40°	322.8	349.0	376.9	408.2	441.1	475.1	509.0	542.2	574.3	604.8	630.6
37.5°	358.4	390.0	425.5	463.4	504.5	546.2	589.9	637.8	687.5	736.6	776.6
35°	394.7	435.2	477.9	524.2	573.7	630.3	698.7	773.7	846.4	916.9	982.4
32.5°	432.2	482.7	533.7	589.8	656.6	741.6	839.0	942.0	1042.5	1140.5	1231.8
30°	471.8	530.2	592.5	666.0	761.7	879.2	1007.5	1142.2	1274.1	1401.8	1520.9
27.5°	513.1	580.5	657.3	755.8	885.0	1041.6	1204.4	1366.2	1528.4	1680.7	1824.6
25°	556.1	634.6	731.2	860.1	1032.3	1220.2	1409.1	1597.4	1789.3	1973.0	2141.3
22.5°	599.7	691.5	812.0	982.2	1190.3	1402.6	1611.8	1833.4	2063.7	2288.1	2490.5
20°	644.9	751.3	901.0	1113.3	1348.0	1576.3	1815.4	2086.8	2360.4	2628.6	2893.8
17.5°	689.6	813.1	996.0	1246.1	1494.8	1738.2	2036.9	2354.3	2678.1	3022.0	3372.6
15°	730.9	873.6	1093.6	1370.8	1621.9	1909.9	2260.0	2628.8	3027.8	3458.3	3902.9
12.5°	770.3	932.2	1188.3	1475.2	1740.4	2085.0	2475.6	2905.2	3391.3	3923.0	4474.7
10°	805.1	988.1	1279.5	1562.5	1854.3	2245.4	2677.3	3166.5	3741.2	4385.6	5050.0
7.5°	831.4	1035.0	1354.4	1635.4	1964.2	2381.7	2851.5	3404.0	4061.9	4807.8	5570.2
5°	854.2	1075.7	1406.8	1690.1	2047.6	2486.1	2984.2	3583.5	4319.0	5141.6	5988.0
2.5°	869.4	1107.4	1439.8	1735.0	2106.5	2551.4	3064.5	3695.7	4480.6	5354.9	6254.4
0°	874.5	1119.6	1451.7	1753.2	2128.0	2569.0	3085.1	3731.7	4530.3	5419.2	6338.3
-2.5°	872.1	1119.9	1445.4	1750.3	2116.7	2542.7	3048.4	3673.8	4442.5	5310.6	6220.4
-5°	857.6	1099.5	1417.7	1719.6	2070.0	2476.5	2950.0	3536.2	4251.9	5057.0	5911.4
-7.5°	832.3	1060.8	1367.8	1661.4	1995.1	2370.3	2806.5	3326.8	3965.6	4669.5	5425.4
-10°	799.8	1006.3	1294.9	1583.0	1888.9	2232.3	2622.6	3073.9	3612.9	4213.3	4842.0
-12.5°	759.6	939.2	1204.9	1480.3	1757.9	2073.0	2413.4	2795.7	3230.5	3721.2	4229.7
-15°	716.5	866.7	1097.9	1356.7	1612.9	1888.9	2188.9	2512.3	2860.5	3237.1	3638.5
-17.5°	672.3	793.1	985.3	1225.4	1454.6	1687.6	1951.2	2224.3	2511.9	2804.0	3102.4
-20°	627.7	725.4	872.9	1074.6	1289.1	1497.0	1703.2	1935.6	2173.7	2414.0	2639.8



REPORT NUMBER: P1217539 (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°	582.9	664.4	773.6	930.2	1118.5	1302.0	1481.5	1659.7	1849.8	2040.5	2222.0
-25°	537.8	608.0	690.5	804.4	948.7	1105.9	1264.3	1415.5	1565.0	1704.5	1844.2
-27.5°	491.5	552.5	621.1	700.5	804.1	924.5	1052.0	1187.1	1312.0	1427.4	1536.4
-30°	445.9	497.7	556.3	620.0	691.9	777.2	870.4	970.5	1074.1	1176.1	1267.7
-32.5°	401.4	445.0	495.1	548.4	604.3	663.6	727.6	795.5	863.8	934.8	1007.4
-35°	359.6	397.0	438.7	482.6	528.5	574.5	620.3	667.4	713.2	754.7	797.1
-37.5°	323.9	354.0	387.5	423.3	460.5	497.6	534.1	569.1	600.9	631.2	661.7
-40°	292.9	317.1	343.0	370.9	400.4	430.2	459.4	487.0	512.8	536.4	559.6
-42.5°	264.2	284.3	305.3	327.5	349.6	372.1	394.9	416.8	436.6	458.0	479.4
-45°	238.0	254.2	271.4	291.2	309.6	326.6	343.1	359.1	374.6	394.9	414.9
-47.5°	213.2	226.9	242.7	258.9	274.9	290.2	303.3	315.1	326.0	345.3	363.4
-50°	190.7	201.8	216.5	230.9	244.7	258.0	270.4	280.9	291.7	307.1	322.0
-52.5°	170.2	180.4	192.6	205.0	217.2	230.9	243.6	254.4	265.5	278.5	291.1
-55°	150.4	160.1	170.2	180.4	191.7	206.4	219.3	230.7	242.9	255.3	267.0
-57.5°	130.3	139.1	147.8	156.3	167.3	181.7	195.7	208.8	223.8	237.4	249.6
-60°	113.0	119.3	125.9	132.6	142.5	154.7	167.5	180.4	201.5	220.3	237.3
-62.5°	97.6	102.4	107.5	112.5	119.5	127.9	137.0	148.7	172.6	196.1	218.7
-65°	83.9	88.1	91.4	94.8	99.7	105.2	110.6	119.8	138.1	157.4	177.2
-67.5°	64.2	69.1	74.2	78.6	81.6	84.4	87.3	93.2	103.7	115.1	127.2
-70°	49.0	51.9	54.8	57.9	60.6	63.1	65.5	68.8	73.3	77.8	82.5
-72.5°	34.6	37.1	39.4	41.4	43.7	45.7	47.5	49.8	52.4	54.8	57.1
-75°	22.0	23.7	25.3	27.1	28.8	30.5	31.9	33.8	35.8	37.7	39.5
-77.5°	10.8	12.2	13.4	14.7	16.0	17.2	18.2	19.6	20.9	22.1	23.2
-80°	3.2	3.7	4.2	4.8	5.4	6.1	6.7	7.3	8.0	8.5	9.0
-82.5°	0.5	0.6	0.6	0.7	0.8	0.9	0.9	1.1	1.2	1.3	1.5
-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°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9

REPORT NUMBER: P1217539 (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°	5.3	5.7	6.0	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.2
85°	13.6	14.5	15.3	16.1	16.0	15.9	15.8	15.5	15.2	14.8	14.4
82.5°	24.8	26.0	27.2	28.3	28.4	28.4	28.4	28.2	27.4	26.5	25.5
80°	37.8	39.4	41.0	42.5	42.8	43.0	43.0	42.9	41.4	39.9	38.3
77.5°	51.9	53.9	55.8	57.5	58.0	58.4	58.7	58.5	56.5	54.3	52.0
75°	66.5	68.9	71.0	73.0	73.5	73.8	74.0	73.7	71.4	69.0	66.4
72.5°	82.3	85.1	87.7	90.0	90.4	90.6	90.5	89.8	86.9	83.8	80.4
70°	99.8	104.1	108.2	112.1	112.3	112.2	111.5	109.8	105.6	101.6	97.4
67.5°	118.6	125.6	132.3	138.7	140.7	142.2	142.9	140.6	132.8	125.2	117.8
65°	139.9	148.7	157.1	165.1	168.4	171.1	173.3	170.8	160.6	150.2	139.7
62.5°	164.3	174.0	183.0	191.4	194.9	197.8	200.0	196.5	185.7	174.3	162.4
60°	190.8	200.6	209.6	217.9	220.7	223.0	224.8	220.6	210.4	199.3	187.3
57.5°	217.6	226.5	234.7	242.1	244.1	245.4	246.1	241.2	232.5	222.8	212.8
55°	248.1	257.4	265.6	272.7	274.1	274.6	274.0	267.7	258.5	248.3	238.7
52.5°	287.5	297.9	306.8	314.1	315.1	314.7	312.9	303.8	292.3	280.1	269.8
50°	336.1	347.5	356.9	364.3	364.8	363.3	359.8	348.0	334.1	319.1	308.0
47.5°	394.3	406.5	416.1	423.2	423.2	420.8	415.9	402.2	386.2	367.8	354.2
45°	462.4	474.4	483.7	489.8	489.0	485.2	477.8	463.7	446.4	427.1	409.2
42.5°	543.7	556.1	564.7	568.9	566.0	559.5	549.5	535.0	516.0	495.5	474.4
40°	651.7	668.3	678.4	681.3	675.8	663.6	648.2	630.7	606.4	579.1	552.2
37.5°	810.5	837.5	855.3	860.7	848.2	824.1	798.9	770.1	734.9	701.4	661.3
35°	1039.5	1086.6	1118.5	1133.8	1118.8	1085.7	1044.6	996.0	938.5	875.4	812.4
32.5°	1312.6	1375.8	1420.8	1445.6	1426.7	1386.0	1332.0	1263.8	1183.6	1094.6	1005.5
30°	1621.8	1704.0	1759.5	1789.9	1770.8	1724.6	1655.0	1563.3	1458.0	1345.0	1226.0
27.5°	1946.4	2040.6	2105.7	2141.3	2120.8	2071.3	1992.2	1886.0	1759.8	1616.9	1470.5
25°	2285.6	2401.2	2477.1	2514.0	2494.6	2437.8	2345.7	2222.7	2077.6	1912.5	1736.1
22.5°	2671.9	2819.3	2924.5	2975.4	2949.7	2871.0	2749.4	2599.4	2418.4	2221.0	2015.5
20°	3136.6	3341.1	3491.3	3567.0	3539.1	3431.3	3257.1	3050.6	2811.1	2561.2	2308.9
17.5°	3691.0	3967.4	4171.7	4278.6	4260.3	4119.7	3899.2	3619.8	3289.7	2950.6	2626.4
15°	4319.5	4682.0	4953.4	5098.5	5095.1	4893.4	4624.6	4265.9	3845.5	3399.3	2970.6
12.5°	5001.5	5456.4	5790.1	5977.6	5976.2	5741.6	5417.1	4960.8	4429.6	3877.0	3341.6
10°	5678.2	6209.6	6592.0	6801.0	6777.4	6548.5	6175.2	5635.4	5005.4	4347.4	3709.2
7.5°	6295.5	6892.9	7308.2	7507.5	7467.8	7221.6	6814.0	6232.5	5530.5	4769.8	4033.3
5°	6785.3	7436.7	7885.5	8066.2	7987.5	7711.0	7275.3	6673.4	5925.6	5102.9	4291.1
2.5°	7102.9	7798.5	8262.7	8423.2	8310.2	8010.2	7550.5	6934.2	6165.6	5313.8	4451.5
0°	7204.7	7919.9	8386.9	8543.6	8403.0	8097.6	7630.1	7007.7	6231.1	5369.2	4486.7
-2.5°	7077.2	7772.1	8226.4	8400.2	8234.0	7941.2	7490.8	6875.7	6107.1	5266.4	4401.0
-5°	6716.1	7377.8	7821.9	8023.5	7853.7	7572.1	7149.4	6548.8	5810.7	5002.5	4194.9
-7.5°	6153.5	6760.9	7182.2	7400.9	7240.6	7005.3	6608.9	6041.5	5353.9	4620.2	3891.7
-10°	5464.2	6004.6	6392.0	6592.4	6463.7	6260.2	5902.8	5389.5	4791.5	4153.4	3540.3
-12.5°	4731.9	5181.6	5519.4	5679.7	5556.2	5407.5	5094.2	4675.7	4182.2	3665.4	3161.6
-15°	4029.0	4379.5	4650.6	4769.4	4662.2	4541.2	4300.6	3969.7	3592.2	3182.8	2794.0
-17.5°	3386.7	3641.2	3837.6	3915.3	3848.1	3746.6	3571.2	3331.0	3042.4	2742.1	2449.8
-20°	2841.6	3025.4	3148.3	3191.2	3147.7	3072.6	2951.6	2774.9	2572.6	2359.3	2138.8

REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2381.5	2515.3	2599.5	2621.6	2590.1	2526.6	2441.7	2324.5	2181.7	2018.3	1846.0
-25°	1970.7	2076.8	2131.5	2143.5	2129.4	2086.3	2029.7	1944.0	1836.1	1711.7	1574.5
-27.5°	1632.2	1706.4	1749.3	1763.2	1758.0	1728.0	1686.3	1622.0	1541.1	1443.7	1335.0
-30°	1349.8	1414.4	1446.9	1456.9	1453.4	1428.1	1397.4	1347.6	1282.0	1202.9	1114.3
-32.5°	1077.3	1134.3	1165.2	1175.3	1174.5	1156.3	1129.5	1089.6	1038.9	978.6	907.8
-35°	835.4	865.7	883.6	888.3	899.3	895.3	881.8	859.2	825.8	783.7	733.4
-37.5°	687.2	704.6	713.5	715.2	717.6	712.5	704.5	691.9	670.6	640.5	602.9
-40°	578.1	589.6	593.8	592.7	592.9	587.3	578.1	566.6	550.7	532.0	509.7
-42.5°	497.0	504.7	506.5	504.8	502.7	496.4	487.5	479.8	468.4	453.7	436.2
-45°	432.1	437.3	438.0	436.1	431.4	423.7	414.0	407.7	398.3	386.4	373.8
-47.5°	379.8	382.3	382.4	380.5	374.1	365.5	355.0	349.9	342.7	333.7	324.8
-50°	335.0	336.1	335.7	333.9	327.8	320.4	311.5	306.7	300.6	292.5	284.5
-52.5°	301.0	301.1	300.1	298.1	292.4	285.5	277.2	271.0	264.0	255.7	248.5
-55°	274.8	274.7	273.7	272.1	264.5	256.1	246.6	239.4	232.5	224.6	217.3
-57.5°	256.3	255.6	254.7	253.3	243.3	232.5	220.8	212.0	204.7	196.6	188.6
-60°	244.4	241.9	239.3	236.4	223.2	209.3	194.5	183.7	176.8	169.3	161.7
-62.5°	225.7	221.2	216.3	210.7	196.0	180.6	164.5	153.3	148.5	143.6	138.8
-65°	182.9	179.0	173.9	167.7	156.7	145.1	133.2	124.7	122.2	119.5	116.8
-67.5°	131.4	130.7	128.9	126.1	119.7	112.8	105.7	100.4	99.3	98.1	96.7
-70°	84.4	85.1	85.3	84.9	83.4	81.5	79.4	77.8	78.1	78.3	78.3
-72.5°	58.0	58.3	58.5	58.3	58.4	58.2	57.8	57.4	58.1	58.5	58.6
-75°	39.9	39.8	39.4	38.9	39.3	39.5	39.6	39.5	40.1	40.4	40.5
-77.5°	23.4	23.4	23.2	22.9	23.3	23.6	23.7	23.8	24.2	24.5	24.6
-80°	9.2	9.2	9.1	9.0	9.5	9.9	10.2	10.4	10.9	11.2	11.4
-82.5°	1.5	1.4	1.4	1.3	1.7	2.1	2.4	2.7	2.9	3.2	3.3
-85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-87.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1

REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

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°	6.2	6.2	6.2	6.1	6.1	6.1	6.1	6.1	6.1	5.9	5.7
85°	13.9	13.8	13.7	13.5	13.3	13.1	12.8	12.6	12.2	11.7	11.1
82.5°	24.5	24.3	23.9	23.5	23.1	22.6	22.0	21.3	20.6	19.5	18.4
80°	36.9	36.4	35.8	35.2	34.4	33.5	32.6	31.5	30.3	28.6	26.9
77.5°	50.0	49.4	48.6	47.7	46.7	45.4	44.1	42.6	40.8	38.4	36.1
75°	64.0	63.2	62.1	61.0	59.6	58.0	56.2	54.3	51.9	49.0	46.0
72.5°	77.9	77.2	76.1	74.5	72.8	70.8	68.7	66.3	63.4	59.8	56.2
70°	94.7	93.8	92.5	90.9	88.3	85.2	81.9	78.8	74.9	70.8	66.6
67.5°	113.2	110.5	108.0	105.7	103.4	101.0	97.9	93.9	88.1	82.3	77.1
65°	133.8	129.7	125.4	121.1	118.1	114.5	110.8	106.7	101.6	95.7	88.9
62.5°	156.0	150.5	144.8	139.3	135.1	130.7	126.3	120.9	114.2	107.5	101.0
60°	180.5	173.5	166.2	159.8	154.4	148.6	142.6	136.1	128.7	120.9	112.8
57.5°	205.6	197.4	188.8	181.4	174.8	167.9	160.9	152.8	143.8	135.2	126.1
55°	231.2	222.5	213.3	204.8	196.5	188.4	180.0	171.3	161.4	150.5	141.6
52.5°	260.9	251.2	240.5	230.0	219.0	208.9	200.0	191.3	180.8	169.0	159.7
50°	297.0	284.8	272.1	258.9	245.3	231.8	220.7	210.7	200.5	188.6	181.2
47.5°	339.9	324.6	309.4	293.0	276.2	259.6	245.3	231.8	219.4	209.2	201.7
45°	390.7	370.8	351.3	331.5	311.6	291.9	273.4	256.1	240.0	228.2	219.3
42.5°	450.4	425.7	400.3	375.2	350.4	326.8	304.0	283.1	264.0	248.0	235.5
40°	522.6	490.6	458.2	426.6	395.2	365.3	337.3	311.5	289.7	269.6	252.7
37.5°	615.1	569.5	527.7	485.8	446.7	409.1	374.5	343.9	316.8	292.5	271.4
35°	744.7	687.3	619.2	555.5	503.8	458.3	416.6	380.3	347.0	317.1	291.2
32.5°	915.2	825.3	739.5	654.8	571.3	511.4	462.9	419.8	380.3	344.3	311.9
30°	1107.4	994.4	877.2	763.4	666.7	573.4	510.0	460.4	415.7	372.8	334.7
27.5°	1320.9	1179.1	1039.1	897.8	765.1	656.1	561.6	499.8	449.5	402.9	358.9
25°	1554.2	1379.8	1213.9	1048.6	885.4	738.4	625.8	540.0	482.9	432.3	383.7
22.5°	1804.6	1593.8	1396.0	1205.4	1017.6	840.5	696.3	582.6	513.9	459.6	408.8
20°	2061.5	1817.8	1584.5	1366.2	1154.8	949.5	763.4	633.6	544.2	485.7	428.3
17.5°	2324.0	2041.0	1776.7	1528.1	1289.2	1055.3	844.3	686.8	572.9	504.2	442.8
15°	2591.8	2257.8	1957.2	1681.3	1417.9	1161.8	925.5	729.2	600.0	520.8	455.2
12.5°	2869.0	2465.4	2120.0	1818.7	1538.7	1260.0	996.7	773.9	629.9	536.2	466.2
10°	3133.0	2654.1	2267.3	1935.0	1636.8	1347.2	1061.1	817.8	654.5	549.8	475.6
7.5°	3370.5	2820.2	2384.6	2025.8	1715.0	1417.1	1115.2	851.7	673.3	561.9	484.5
5°	3552.6	2946.7	2470.8	2093.7	1769.0	1463.8	1152.3	877.1	688.4	571.0	490.5
2.5°	3662.1	3019.3	2523.2	2130.6	1797.2	1488.0	1171.3	889.9	697.0	576.0	493.7
0°	3677.0	3033.5	2534.4	2138.6	1802.4	1491.1	1171.1	888.9	699.1	576.8	493.7
-2.5°	3616.1	2985.1	2506.7	2114.5	1779.5	1469.6	1154.0	877.5	693.4	572.9	490.2
-5°	3466.6	2884.8	2436.3	2060.1	1732.9	1425.9	1118.4	852.7	681.1	565.0	483.5
-7.5°	3252.3	2734.2	2327.0	1975.3	1660.6	1363.7	1066.8	816.4	662.0	552.9	473.5
-10°	2995.6	2554.9	2192.0	1866.8	1567.6	1285.7	1002.9	776.1	636.3	536.3	461.1
-12.5°	2723.8	2354.4	2034.6	1736.1	1458.2	1190.5	930.0	732.6	604.4	517.6	446.0
-15°	2445.4	2143.0	1862.7	1591.4	1337.7	1082.1	850.8	688.4	573.7	495.9	428.6
-17.5°	2180.9	1924.3	1675.9	1437.8	1205.9	971.9	775.0	640.9	542.9	472.5	409.8
-20°	1919.0	1702.9	1486.0	1277.0	1065.6	862.7	706.6	591.1	513.7	448.0	390.0

REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1665.8	1483.6	1301.2	1117.9	927.1	762.5	642.1	549.8	483.9	424.6	371.3
-25°	1429.9	1280.4	1124.8	958.0	801.0	679.6	578.6	512.1	454.9	401.3	353.6
-27.5°	1217.1	1091.1	949.0	811.6	698.2	598.9	530.8	476.8	426.2	378.7	335.5
-30°	1013.7	904.9	790.6	693.3	604.5	539.1	488.1	441.8	398.4	356.3	317.7
-32.5°	826.9	742.5	667.4	589.9	534.2	490.9	448.6	408.1	369.3	332.9	300.4
-35°	680.5	620.2	561.7	516.9	477.7	443.5	411.3	375.1	340.3	310.3	284.5
-37.5°	563.1	526.6	490.3	455.1	424.9	397.7	372.1	342.4	314.5	290.0	270.2
-40°	484.5	456.8	428.0	399.7	375.7	354.5	333.2	314.0	291.6	273.0	256.8
-42.5°	416.7	395.1	373.5	352.3	331.6	315.4	300.4	286.8	272.9	257.8	245.5
-45°	359.7	344.3	328.5	312.0	295.4	283.1	273.1	264.0	256.2	245.2	236.4
-47.5°	314.7	303.1	290.2	277.4	265.9	256.5	249.9	244.0	239.7	235.3	227.9
-50°	275.7	266.1	256.4	248.1	240.5	233.7	229.0	225.8	225.0	226.0	212.9
-52.5°	241.9	234.7	227.5	222.1	216.7	211.6	208.1	207.0	206.4	204.7	193.6
-55°	212.3	206.7	200.6	196.6	192.8	188.1	182.4	180.5	179.7	179.8	176.5
-57.5°	184.6	180.1	175.0	170.7	166.3	159.7	151.8	152.6	155.1	157.4	156.6
-60°	158.5	154.4	149.8	145.3	140.8	135.1	128.7	129.1	132.9	133.8	130.6
-62.5°	135.6	132.0	127.8	123.3	119.4	115.2	110.8	108.9	110.5	108.3	101.5
-65°	114.2	111.3	108.2	104.9	102.1	98.4	93.5	88.8	88.2	84.7	80.0
-67.5°	95.2	93.3	90.9	88.2	85.1	81.6	77.8	73.9	71.6	69.0	66.1
-70°	77.6	75.9	73.8	71.3	68.5	65.7	62.8	59.8	57.6	55.6	53.2
-72.5°	58.0	56.7	55.3	53.8	52.1	50.2	48.3	46.3	44.5	43.0	41.3
-75°	40.2	39.6	38.9	38.1	37.1	35.9	34.6	33.1	31.8	30.8	29.3
-77.5°	24.6	24.5	24.3	23.9	23.4	22.8	22.1	21.3	20.5	19.8	18.9
-80°	11.5	11.7	11.8	11.8	11.6	11.5	11.3	11.0	10.5	10.2	9.9
-82.5°	3.5	3.5	3.6	3.6	3.6	3.7	3.8	3.7	3.7	3.8	4.0
-85°	0.2	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.8	0.8
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
-90°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7	1.8

REPORT NUMBER: P1217539 (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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
87.5°	5.6	5.4	5.3	5.2	5.1	4.9	4.7	4.4	4.2	3.9	3.4
85°	10.5	9.9	9.6	9.2	8.8	8.3	7.8	7.2	6.7	6.1	5.4
82.5°	17.3	16.2	15.4	14.6	13.7	12.9	11.8	10.8	9.7	8.7	7.4
80°	25.1	23.4	22.3	21.1	19.8	18.3	16.8	15.2	13.6	11.9	9.8
77.5°	33.8	31.6	29.9	28.2	26.4	24.4	22.3	20.1	17.9	15.5	12.8
75°	43.0	40.2	38.1	35.9	33.5	31.0	28.2	25.3	22.5	19.5	15.9
72.5°	52.4	49.3	46.6	43.8	40.9	37.8	34.4	31.0	27.4	23.5	19.3
70°	62.3	58.7	55.4	52.0	48.5	44.7	40.9	36.8	32.6	27.8	22.7
67.5°	72.2	68.3	64.4	60.3	56.1	51.9	47.4	42.8	38.0	32.2	26.3
65°	82.6	78.3	73.6	68.9	64.1	59.1	54.1	48.8	43.4	36.7	29.9
62.5°	94.9	89.9	84.0	77.8	71.9	66.4	60.7	55.0	48.8	41.1	33.6
60°	107.6	102.7	96.2	88.7	80.7	73.6	67.3	61.0	54.1	45.4	37.2
57.5°	121.5	116.1	109.4	101.1	90.7	81.4	73.8	66.8	59.1	49.7	40.8
55°	136.6	130.5	123.3	114.2	101.7	90.0	80.6	72.5	63.7	53.9	44.2
52.5°	152.6	145.4	137.6	127.8	114.2	99.6	87.7	78.4	68.2	57.9	47.6
50°	171.5	161.4	152.0	142.1	128.1	111.0	95.3	83.9	72.4	61.7	50.9
47.5°	192.9	180.5	167.7	156.8	143.0	124.3	104.6	89.2	76.6	65.3	54.1
45°	211.9	201.3	185.0	171.6	158.0	139.1	116.2	95.1	81.0	68.7	57.1
42.5°	227.1	218.6	202.9	186.1	172.5	154.3	127.6	101.9	85.2	71.9	59.9
40°	240.5	230.5	218.0	201.1	185.7	169.0	137.8	109.3	89.5	75.1	62.6
37.5°	253.9	240.0	229.4	215.0	197.9	178.2	146.2	116.5	94.1	78.4	65.1
35°	268.7	250.5	238.0	226.2	209.8	182.7	152.4	122.6	98.7	81.5	67.3
32.5°	284.7	262.2	245.8	234.8	215.0	186.0	156.7	127.4	103.0	84.5	69.6
30°	301.7	275.3	254.9	239.4	219.0	189.5	159.6	130.7	106.7	87.3	72.0
27.5°	320.5	289.1	263.0	241.6	222.4	193.4	161.7	132.8	109.4	90.4	74.6
25°	340.2	301.7	269.4	244.7	224.9	197.1	163.3	133.9	111.2	93.8	77.0
22.5°	358.0	312.0	276.0	248.0	226.8	200.4	164.8	133.9	114.4	97.0	79.2
20°	371.1	321.7	282.0	251.3	228.2	203.0	166.4	137.2	117.1	100.1	81.2
17.5°	383.2	330.3	287.4	254.4	229.4	205.0	170.6	140.5	119.3	103.0	83.1
15°	393.5	337.9	292.3	257.3	230.7	206.5	173.9	143.2	121.2	105.5	84.7
12.5°	401.8	344.0	297.3	261.1	232.3	207.2	176.0	145.4	122.8	107.6	86.3
10°	409.4	351.0	302.8	264.4	233.5	207.2	177.1	147.0	124.1	109.3	87.6
7.5°	416.3	356.4	307.1	267.1	234.3	206.5	177.1	148.0	125.0	110.7	88.7
5°	420.8	359.9	309.9	268.8	234.5	205.3	176.3	148.4	125.6	111.8	89.6
2.5°	422.8	361.2	311.3	269.4	234.0	203.6	174.6	148.2	125.7	112.6	90.1
0°	422.0	360.6	311.1	269.0	232.7	201.1	172.3	147.4	125.5	113.1	90.4
-2.5°	419.0	358.5	309.4	267.6	231.7	200.6	172.1	147.3	125.4	113.2	90.1
-5°	413.4	354.4	306.2	265.0	229.9	199.3	171.4	146.6	124.9	113.0	89.6
-7.5°	405.3	348.4	301.6	261.2	227.2	197.3	170.1	145.4	124.2	112.5	88.7
-10°	394.9	340.8	295.6	256.4	223.7	194.7	168.2	143.7	123.1	111.7	87.5
-12.5°	383.2	332.0	288.3	250.7	219.6	191.4	165.9	141.6	121.8	110.6	86.0
-15°	370.6	322.6	280.8	244.8	214.8	187.5	163.0	139.0	120.5	108.7	84.4
-17.5°	356.6	312.0	273.2	239.9	210.6	183.3	159.5	136.2	119.1	106.1	82.6
-20°	341.9	301.1	265.3	234.5	206.7	179.9	155.7	133.1	117.8	102.8	80.5



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CATALOG NUMBER: TRX30S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	326.8	289.7	257.2	228.8	202.3	175.9	151.4	129.7	117.1	99.0	78.4
-25°	312.5	278.6	249.3	222.9	197.3	170.9	146.2	125.9	116.3	94.9	76.0
-27.5°	298.9	267.9	241.2	216.7	191.6	164.7	140.7	122.3	113.5	90.8	73.4
-30°	285.4	258.4	233.9	210.0	184.3	157.5	135.1	119.0	108.2	86.5	70.8
-32.5°	273.0	249.2	227.2	203.6	175.3	149.5	129.3	115.9	101.4	82.3	68.2
-35°	261.9	241.3	221.4	197.0	165.3	141.6	123.5	112.3	94.6	78.2	65.4
-37.5°	252.3	234.8	216.1	188.4	157.6	133.7	118.3	106.2	88.3	73.9	62.2
-40°	244.1	230.1	208.5	178.5	150.6	126.9	113.1	98.1	82.6	69.7	58.8
-42.5°	236.2	224.5	197.4	168.7	143.7	122.2	105.6	90.4	77.1	65.7	55.3
-45°	228.1	211.4	185.1	159.6	136.4	116.8	96.9	83.5	71.7	61.4	51.7
-47.5°	213.7	194.0	174.0	150.3	128.7	108.5	89.9	76.9	66.5	57.1	47.9
-50°	195.3	178.4	161.4	140.0	118.9	98.9	82.7	70.5	61.3	52.6	44.2
-52.5°	178.7	163.2	146.4	127.5	106.9	89.0	74.9	64.5	56.0	48.1	40.4
-55°	162.0	146.0	129.3	112.9	94.3	78.7	67.8	58.6	50.7	43.7	36.5
-57.5°	142.1	125.8	109.8	96.2	80.9	69.8	60.8	52.6	45.5	39.2	32.8
-60°	117.6	102.7	90.8	79.7	70.1	61.6	53.7	46.7	40.6	34.6	29.1
-62.5°	92.3	83.3	75.1	68.0	60.8	53.3	46.8	41.1	35.3	30.2	25.3
-65°	75.5	69.7	63.8	57.6	51.4	45.6	40.4	35.2	30.2	25.9	21.7
-67.5°	62.9	58.0	53.0	47.9	43.0	38.5	33.7	29.3	25.3	21.6	18.1
-70°	50.9	47.3	42.9	38.9	34.9	30.9	27.2	23.7	20.5	17.6	14.8
-72.5°	39.2	36.6	32.9	29.6	26.7	23.6	20.9	18.5	16.1	13.8	11.7
-75°	27.4	25.7	23.6	21.2	19.2	17.2	15.5	13.7	11.9	10.4	9.0
-77.5°	18.0	16.9	15.4	14.1	12.9	11.7	10.4	9.3	8.4	7.6	6.7
-80°	9.5	9.0	8.6	8.1	7.4	6.7	6.4	6.1	5.7	5.2	4.6
-82.5°	4.1	4.1	3.9	3.7	3.5	3.4	3.3	3.3	3.1	2.8	2.7
-85°	0.8	0.8	1.0	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.5
-87.5°	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7
-90°	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.4	0.4	0.5	0.7	0.8	1.0	1.1
87.5°	3.0	2.5	2.1	1.8	1.6	1.3	1.1
85°	4.6	3.8	3.1	2.4	1.9	1.5	1.1
82.5°	6.2	5.2	4.2	3.2	2.3	1.6	1.1
80°	8.1	6.6	5.2	4.0	2.8	1.7	1.1
77.5°	10.2	8.1	6.3	4.8	3.3	1.9	1.1
75°	12.7	9.8	7.4	5.6	3.9	2.2	1.1
72.5°	15.3	11.8	8.6	6.4	4.4	2.4	1.1
70°	18.1	13.8	10.1	7.2	4.9	2.6	1.1
67.5°	20.8	15.9	11.6	8.0	5.4	2.8	1.1
65°	23.7	18.1	13.1	9.0	5.9	3.1	1.1
62.5°	26.5	20.2	14.7	9.9	6.4	3.3	1.1
60°	29.4	22.4	16.3	11.0	6.9	3.6	1.1
57.5°	32.4	24.6	18.0	12.0	7.3	3.8	1.1
55°	35.2	26.7	19.6	13.1	7.8	4.1	1.1
52.5°	38.0	28.9	21.1	14.1	8.3	4.3	1.1
50°	40.7	31.1	22.7	15.2	8.8	4.5	1.1
47.5°	43.2	33.3	24.3	16.2	9.3	4.7	1.1
45°	45.6	35.4	25.8	17.3	9.8	4.8	1.1
42.5°	48.0	37.4	27.3	18.3	10.4	5.0	1.1
40°	50.4	39.4	28.8	19.2	10.9	5.2	1.1
37.5°	52.8	41.2	30.2	20.1	11.4	5.4	1.1
35°	55.0	43.0	31.6	21.0	11.8	5.5	1.1
32.5°	57.2	44.7	32.9	21.8	12.3	5.7	1.1
30°	59.2	46.3	34.1	22.6	12.7	5.8	1.1
27.5°	61.2	47.8	35.2	23.3	13.1	5.9	1.1
25°	62.9	49.2	36.2	24.0	13.5	6.1	1.1
22.5°	64.5	50.4	37.1	24.5	13.9	6.2	1.1
20°	66.0	51.6	37.9	25.1	14.2	6.3	1.1
17.5°	67.2	52.6	38.7	25.6	14.4	6.3	1.1
15°	68.4	53.5	39.3	26.0	14.7	6.4	1.1
12.5°	69.4	54.3	39.8	26.4	14.9	6.5	1.1
10°	70.2	54.9	40.3	26.7	15.0	6.5	1.1
7.5°	70.9	55.4	40.6	26.9	15.1	6.6	1.1
5°	71.4	55.7	40.8	27.0	15.2	6.6	1.1
2.5°	71.7	55.9	40.9	27.1	15.2	6.6	1.1
0°	71.8	55.9	40.9	27.1	15.2	6.6	1.1
-2.5°	71.6	55.7	40.8	27.0	15.1	6.6	1.1
-5°	71.2	55.4	40.5	26.8	15.0	6.5	1.1
-7.5°	70.6	55.0	40.2	26.6	14.9	6.5	1.1
-10°	69.8	54.4	39.7	26.3	14.7	6.4	1.1
-12.5°	68.9	53.6	39.2	25.9	14.5	6.4	1.1
-15°	67.8	52.7	38.5	25.4	14.2	6.3	1.1
-17.5°	66.5	51.7	37.7	24.9	13.9	6.2	1.1
-20°	65.1	50.5	36.8	24.3	13.6	6.1	1.1

REPORT NUMBER: P1217539 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	63.5	49.2	35.9	23.6	13.2	6.0	1.1
-25°	61.7	47.7	34.8	22.9	12.8	5.8	1.1
-27.5°	59.8	46.1	33.7	22.1	12.4	5.7	1.1
-30°	57.7	44.5	32.5	21.3	11.9	5.5	1.1
-32.5°	55.4	42.7	31.2	20.4	11.5	5.4	1.1
-35°	53.0	40.8	29.8	19.5	11.0	5.2	1.1
-37.5°	50.5	38.9	28.3	18.5	10.4	5.0	1.1
-40°	47.8	36.8	26.7	17.5	9.9	4.8	1.1
-42.5°	44.9	34.8	25.1	16.5	9.4	4.7	1.1
-45°	41.9	32.6	23.5	15.5	8.8	4.5	1.1
-47.5°	38.9	30.4	21.8	14.4	8.3	4.3	1.1
-50°	35.9	28.0	20.1	13.3	7.8	4.0	1.1
-52.5°	32.9	25.7	18.4	12.2	7.3	3.8	1.1
-55°	29.9	23.3	16.7	11.1	6.8	3.6	1.1
-57.5°	26.7	20.8	15.1	10.0	6.4	3.4	1.1
-60°	23.6	18.3	13.4	9.0	5.9	3.1	1.1
-62.5°	20.6	16.0	11.8	8.0	5.4	2.9	1.1
-65°	17.6	13.8	10.3	7.2	4.9	2.7	1.1
-67.5°	14.8	11.7	8.8	6.4	4.3	2.4	1.1
-70°	12.2	9.7	7.4	5.6	3.8	2.2	1.1
-72.5°	9.8	7.9	6.3	4.8	3.3	2.0	1.1
-75°	7.7	6.3	5.2	4.0	2.9	1.8	1.1
-77.5°	5.7	4.9	4.1	3.2	2.4	1.6	1.1
-80°	4.0	3.6	3.1	2.5	2.0	1.4	1.1
-82.5°	2.6	2.4	2.1	1.9	1.6	1.3	1.1
-85°	1.5	1.5	1.4	1.3	1.2	1.2	1.1
-87.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.1
-90°	1.6	1.5	1.4	1.3	1.3	1.2	1.1

(END OF REPORT)