

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: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-5000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217543 (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-5000K-5H5V
Description: 30W Tracer Floodlight , NEMA 5H5V , Black Finish
Light Source: 80 CRI,5000K
Ballast/Driver: -

Summary

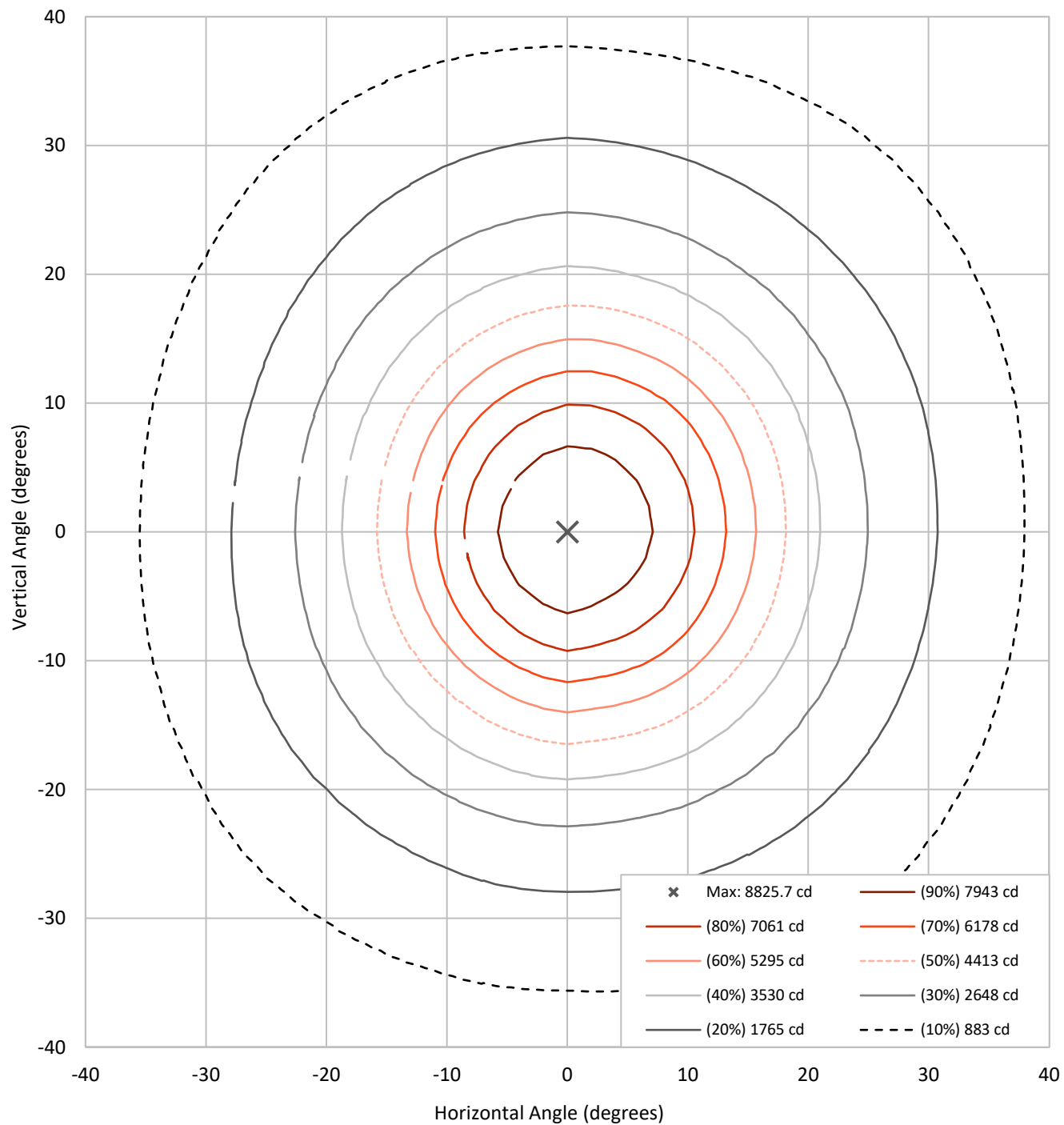
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	4789.5 lumens	Max Intensity:	8825.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.6 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	34°H x 34°V	Field Angle (10%):	73.3°H x 73.1°V
Beam Lumens:	1707.9 lumens	Field Lumens:	3782.9 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



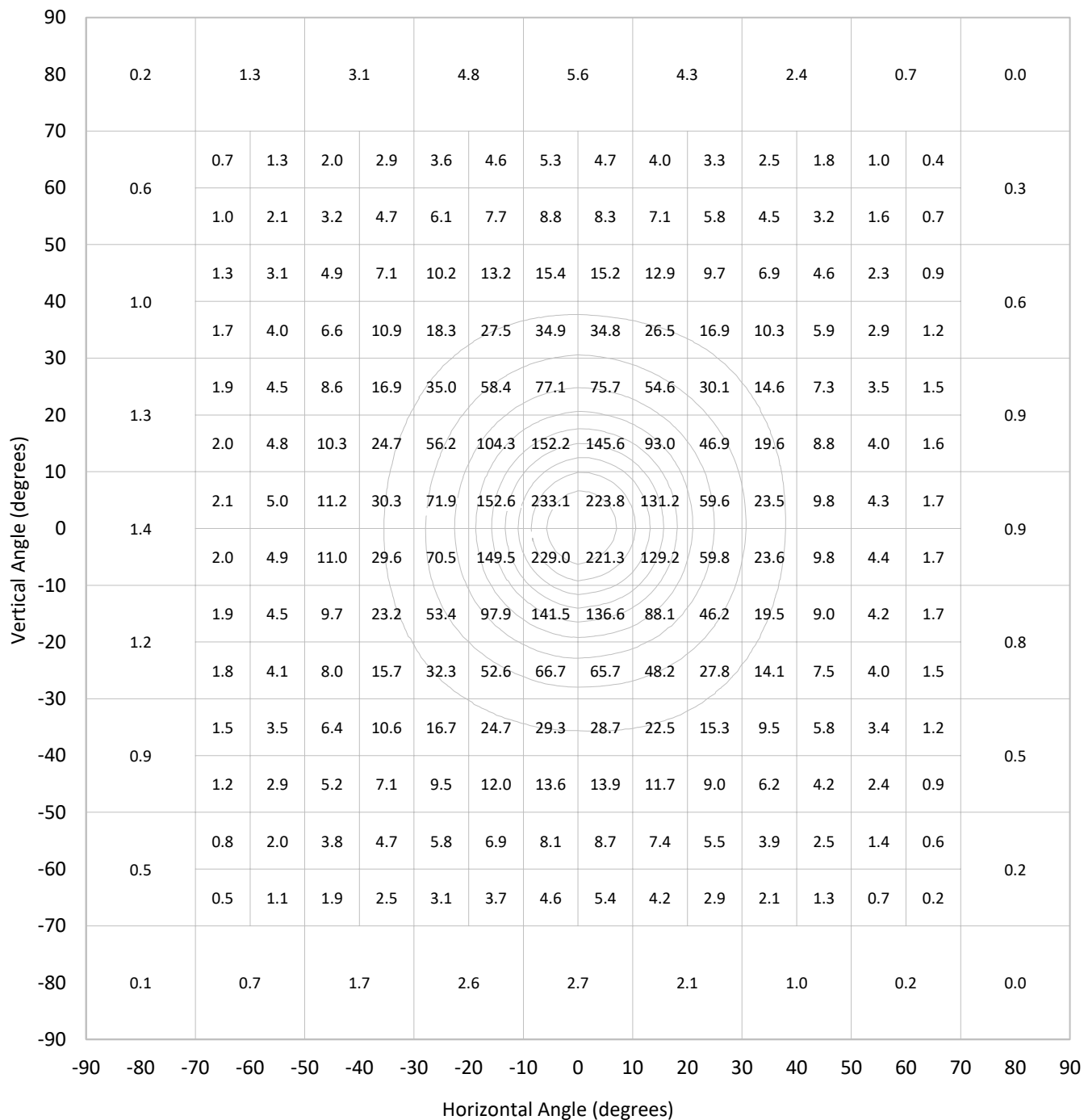
REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

Iso-Candela Plot



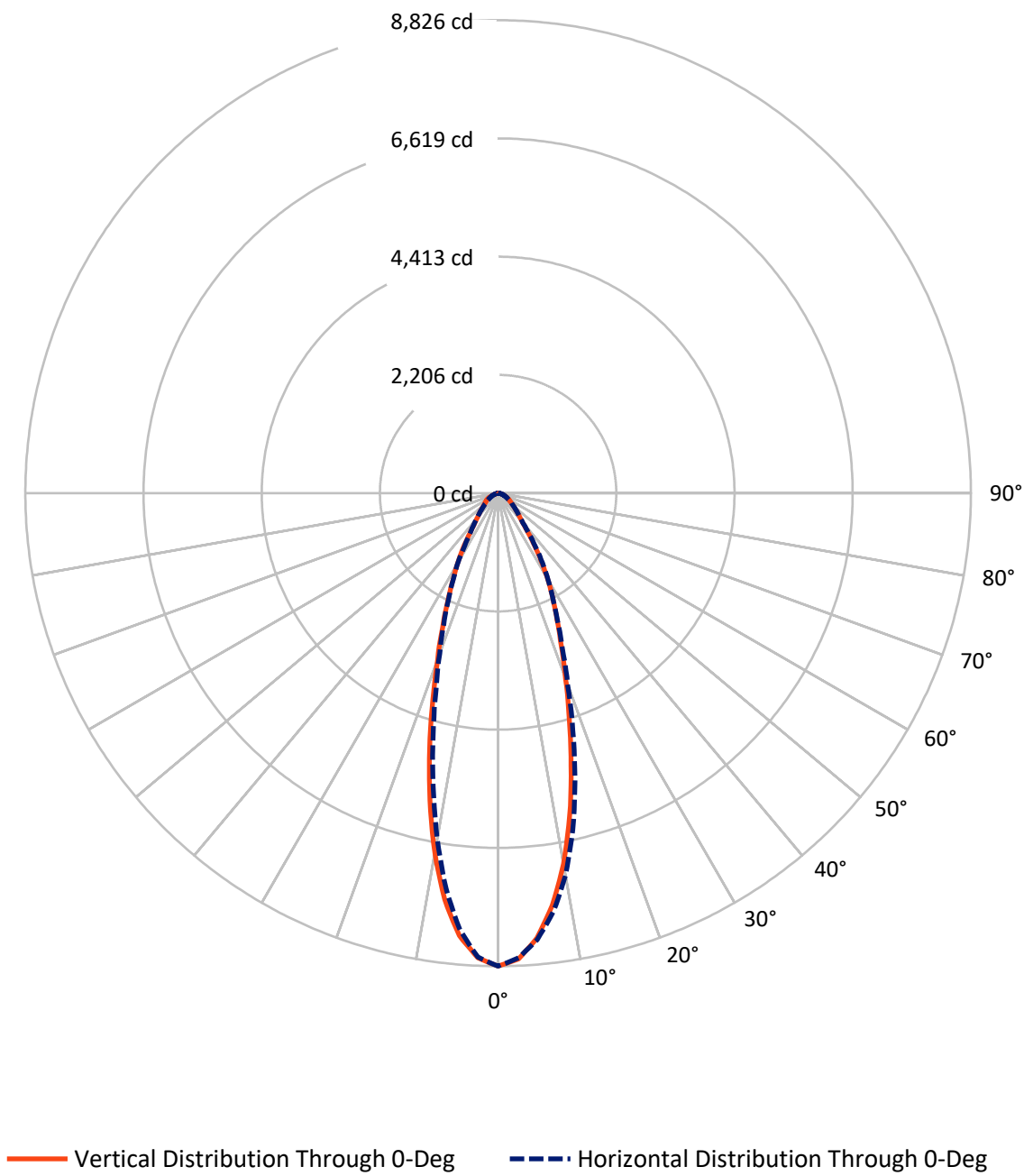
REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

Lumen Table



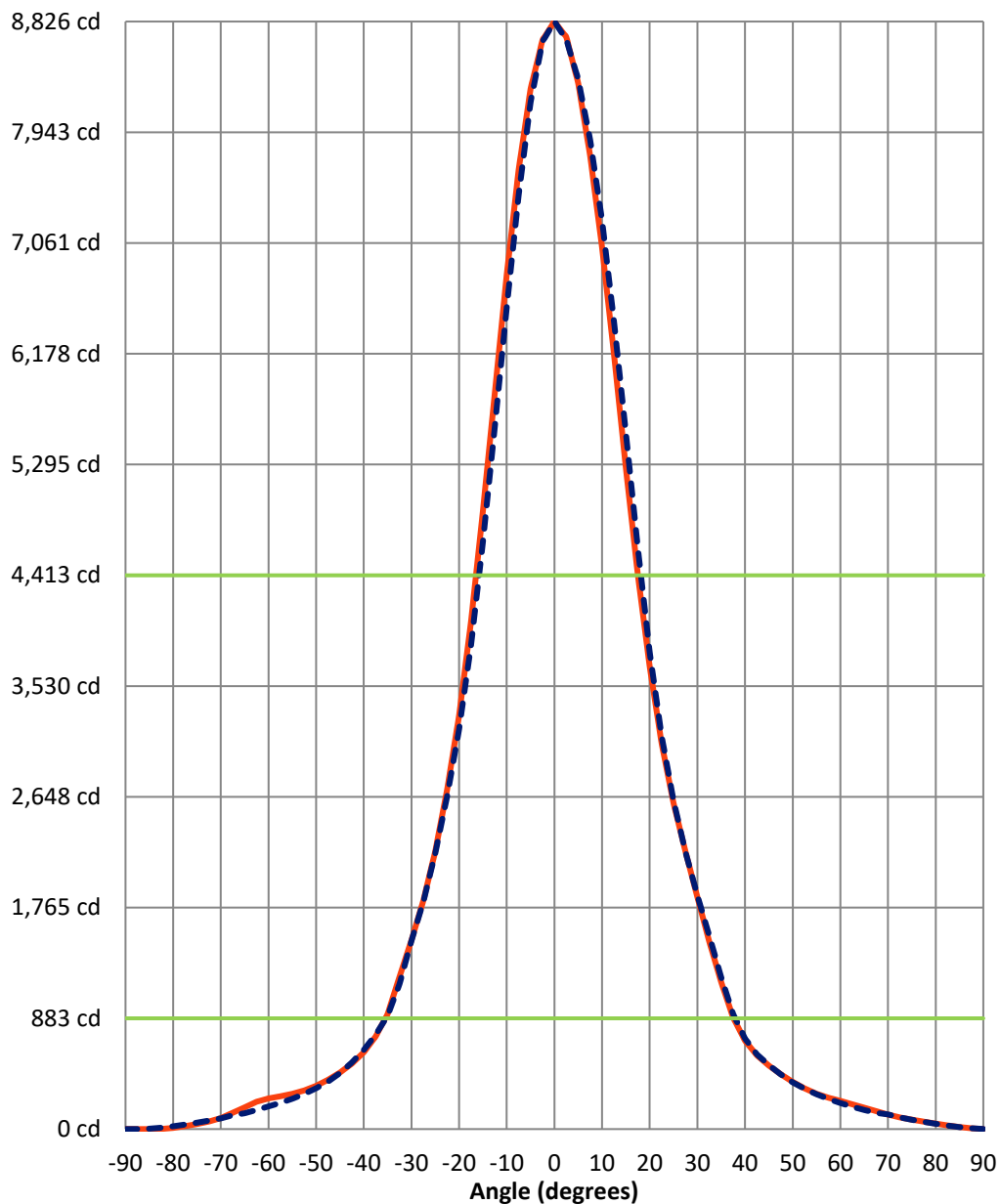
REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

Luminous Intensity Polar Plot



REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

Luminous Intensity Plot



Beam:

H Angle: 34°
V Angle: 34°
Lumens: 1707.9
Efficiency: 35.7%

Field:

H Angle: 73.3°
V Angle: 73.1°
Lumens: 3782.9
Efficiency: 79.0%

Spill:

Lumens: 1006.6
Efficiency: 21.0%

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

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

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	1.3	1.8	2.6
80°	0.1	0.1	0.1	0.1	0.2	0.5	1.0	1.6	2.5	3.6	4.8
77.5°	0.1	0.1	0.1	0.1	0.4	1.0	1.8	2.9	4.2	5.9	7.8
75°	0.1	0.1	0.1	0.2	0.8	1.7	3.0	4.4	6.4	8.7	11.6
72.5°	0.1	0.1	0.1	0.4	1.2	2.6	4.2	6.4	8.9	12.1	16.0
70°	0.1	0.1	0.1	0.6	1.8	3.5	5.8	8.6	11.9	16.1	20.5
67.5°	0.1	0.1	0.2	0.9	2.5	4.7	7.5	11.1	15.4	20.0	25.1
65°	0.1	0.1	0.3	1.2	3.2	5.9	9.5	14.1	18.9	23.9	30.0
62.5°	0.1	0.1	0.4	1.6	4.0	7.4	11.8	17.1	22.4	28.1	35.1
60°	0.1	0.1	0.5	2.0	4.8	8.9	14.3	20.0	26.0	32.4	40.1
57.5°	0.1	0.1	0.6	2.5	5.8	10.6	16.8	23.0	29.8	37.1	45.3
55°	0.1	0.1	0.7	2.9	6.8	12.5	19.2	26.1	33.7	41.6	50.1
52.5°	0.1	0.1	0.8	3.4	7.9	14.5	21.5	29.2	37.7	46.3	55.1
50°	0.1	0.1	1.0	4.0	9.0	16.3	23.9	32.4	41.6	50.7	60.1
47.5°	0.1	0.1	1.2	4.5	10.1	18.1	26.4	35.7	45.5	55.3	65.4
45°	0.1	0.1	1.3	5.1	11.3	19.8	28.8	38.9	49.2	59.7	70.5
42.5°	0.1	0.1	1.6	5.6	12.6	21.4	31.2	42.0	52.9	64.2	75.8
40°	0.1	0.1	1.8	6.2	13.7	22.9	33.6	45.0	56.5	68.4	81.0
37.5°	0.1	0.1	1.9	6.8	14.9	24.5	35.9	47.9	60.0	72.6	86.5
35°	0.1	0.2	2.1	7.3	16.0	26.1	38.1	50.7	63.4	76.8	92.4
32.5°	0.1	0.2	2.3	7.9	17.0	27.5	40.0	53.2	66.7	80.8	98.9
30°	0.1	0.2	2.5	8.3	17.9	28.9	41.7	55.5	69.8	84.9	105.2
27.5°	0.1	0.2	2.6	8.8	18.7	30.1	43.4	57.6	72.5	89.3	110.2
25°	0.1	0.2	2.8	9.3	19.5	31.4	45.0	59.5	74.9	94.0	113.9
22.5°	0.1	0.3	2.9	9.7	20.2	32.6	46.4	61.3	77.2	98.0	116.3
20°	0.1	0.3	3.1	10.0	20.8	33.5	47.6	62.9	79.2	101.5	117.7
17.5°	0.1	0.3	3.2	10.4	21.3	34.4	48.7	64.3	80.9	104.5	119.3
15°	0.1	0.3	3.3	10.6	21.8	35.1	49.6	65.5	82.5	106.7	121.1
12.5°	0.1	0.3	3.3	10.9	22.1	35.6	50.3	66.4	83.7	108.5	122.8
10°	0.1	0.3	3.4	11.0	22.4	36.0	50.9	67.1	84.7	109.6	124.2
7.5°	0.1	0.3	3.4	11.1	22.5	36.2	51.3	67.7	85.4	110.3	125.4
5°	0.1	0.3	3.4	11.2	22.6	36.4	51.5	67.9	85.7	110.7	126.1
2.5°	0.1	0.3	3.4	11.2	22.6	36.4	51.5	68.0	85.7	110.8	126.5
0°	0.1	0.3	3.4	11.1	22.5	36.2	51.3	67.8	85.3	110.6	126.4
-2.5°	0.1	0.3	3.4	11.0	22.3	36.0	51.0	67.5	85.0	110.2	127.2
-5°	0.1	0.3	3.3	10.8	22.1	35.6	50.6	66.9	84.5	109.3	127.5
-7.5°	0.1	0.3	3.2	10.6	21.8	35.1	50.0	66.1	83.6	108.1	127.3
-10°	0.1	0.3	3.1	10.3	21.4	34.5	49.2	65.0	82.5	106.3	126.5
-12.5°	0.1	0.3	3.0	10.0	20.8	33.8	48.2	63.7	81.0	104.0	125.1
-15°	0.1	0.3	2.9	9.6	20.2	32.9	47.0	62.2	79.3	101.0	123.2
-17.5°	0.1	0.2	2.7	9.2	19.6	31.9	45.6	60.6	77.3	97.7	120.7
-20°	0.1	0.2	2.6	8.7	18.8	30.7	44.1	58.7	74.9	94.1	117.5

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-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	2.4	8.2	17.9	29.4	42.4	56.7	72.3	90.4	113.7
-25°	0.1	0.2	2.2	7.7	17.0	28.0	40.5	54.4	69.4	86.7	110.3
-27.5°	0.1	0.2	2.0	7.2	15.9	26.5	38.6	52.1	66.3	83.3	106.0
-30°	0.1	0.2	1.9	6.6	14.8	25.0	36.5	49.6	63.2	79.6	100.9
-32.5°	0.1	0.1	1.7	6.0	13.7	23.4	34.5	46.9	60.2	75.8	95.1
-35°	0.1	0.1	1.5	5.4	12.5	21.8	32.3	44.0	57.1	71.9	89.1
-37.5°	0.1	0.1	1.3	4.8	11.3	20.0	29.9	41.1	53.8	67.8	83.1
-40°	0.1	0.1	1.1	4.3	10.1	18.3	27.4	38.1	50.3	63.6	77.6
-42.5°	0.1	0.1	0.9	3.7	8.9	16.4	25.0	35.1	46.7	59.2	72.4
-45°	0.1	0.1	0.8	3.2	7.7	14.4	22.6	32.0	42.8	54.2	67.3
-47.5°	0.1	0.1	0.6	2.6	6.5	12.4	20.1	28.5	38.6	49.5	61.8
-50°	0.1	0.1	0.5	2.2	5.4	10.6	17.6	25.1	34.4	44.8	55.3
-52.5°	0.1	0.1	0.4	1.8	4.4	8.9	14.9	21.9	30.0	39.5	49.2
-55°	0.1	0.1	0.4	1.4	3.5	7.2	12.2	18.7	25.5	34.3	43.2
-57.5°	0.1	0.1	0.3	1.1	2.7	5.6	9.8	15.4	21.5	28.6	36.6
-60°	0.1	0.1	0.3	0.8	2.0	4.1	7.6	12.1	17.6	23.2	30.0
-62.5°	0.1	0.1	0.2	0.5	1.5	3.0	5.6	9.0	13.6	18.8	23.7
-65°	0.1	0.1	0.1	0.4	1.0	2.1	3.8	6.4	9.8	14.0	18.5
-67.5°	0.1	0.1	0.1	0.3	0.6	1.4	2.5	4.1	6.5	9.6	13.2
-70°	0.1	0.1	0.1	0.2	0.4	0.9	1.5	2.4	3.9	5.9	8.3
-72.5°	0.1	0.1	0.1	0.2	0.3	0.5	0.9	1.4	2.0	3.1	4.5
-75°	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	1.0	1.4	2.1
-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	0.2	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: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-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°	0.4	0.5	0.6	0.7	0.9	1.0	1.3	1.5	1.8	2.1	2.3
85°	1.4	1.8	2.3	2.9	3.5	4.1	4.7	5.2	5.7	6.2	6.8
82.5°	3.4	4.4	5.4	6.5	7.7	9.1	10.1	11.0	11.9	12.8	14.1
80°	6.3	8.0	9.8	11.9	14.0	16.2	17.7	19.1	20.3	21.5	23.1
77.5°	10.2	12.9	15.7	18.4	21.0	23.8	26.0	27.9	29.6	31.2	33.3
75°	15.0	18.5	21.8	25.2	28.9	32.5	35.5	37.8	39.9	41.9	44.2
72.5°	20.0	24.1	28.4	32.8	37.3	41.7	45.6	48.3	50.8	52.9	55.7
70°	25.2	30.3	35.6	40.8	46.0	51.3	55.9	59.0	62.0	64.7	67.9
67.5°	30.8	36.8	42.9	49.0	54.9	60.8	66.5	70.1	73.6	76.8	80.4
65°	36.6	43.4	50.5	57.2	63.8	70.3	76.7	81.3	85.7	90.0	94.2
62.5°	42.4	50.1	57.9	65.4	72.6	79.8	87.4	93.7	100.0	106.2	111.4
60°	48.4	56.7	65.2	73.4	81.6	90.1	99.8	110.5	119.4	126.0	130.6
57.5°	54.1	63.2	72.4	81.8	91.2	102.4	116.5	132.1	140.8	146.7	150.5
55°	59.7	69.6	79.8	90.5	102.5	117.6	134.5	151.7	161.0	166.0	171.4
52.5°	65.4	76.0	87.4	100.2	115.6	133.0	150.9	167.4	179.6	187.9	196.0
50°	70.9	82.6	95.7	111.0	128.6	147.3	165.2	182.2	201.5	211.6	218.4
47.5°	76.5	89.6	104.6	121.5	140.8	160.5	179.1	200.2	219.6	230.0	236.3
45°	82.2	96.8	113.1	130.9	151.8	173.2	195.6	216.8	232.3	245.5	256.8
42.5°	88.6	103.8	119.9	139.3	161.5	187.1	211.1	229.1	244.0	262.5	280.9
40°	95.5	109.5	126.0	147.2	171.4	199.3	223.6	240.0	259.3	282.2	308.6
37.5°	102.8	114.7	131.8	154.5	181.6	209.3	232.1	252.9	277.0	304.9	336.8
35°	108.9	120.7	137.2	161.9	190.4	217.4	241.1	268.0	296.7	329.5	367.1
32.5°	113.6	126.9	145.3	169.0	198.3	224.9	252.0	283.2	317.6	356.0	398.0
30°	117.4	133.4	153.9	177.2	205.6	233.3	264.3	298.8	338.4	382.3	431.7
27.5°	121.8	139.8	162.0	186.6	213.1	242.6	276.7	315.1	359.2	409.1	466.3
25°	126.3	146.2	169.4	194.9	222.1	253.0	289.1	331.3	379.2	436.2	502.0
22.5°	130.8	152.5	175.8	202.4	231.1	264.5	302.2	346.8	400.1	463.9	538.0
20°	134.8	158.0	181.4	209.0	239.7	275.4	316.6	363.0	420.4	492.1	574.0
17.5°	138.4	162.8	186.4	214.9	247.8	285.8	330.1	380.2	442.8	519.3	608.6
15°	141.7	166.9	191.2	220.2	255.1	295.5	342.4	396.3	464.6	547.5	642.4
12.5°	144.9	170.5	196.1	226.1	261.7	304.3	352.9	410.7	484.4	572.2	675.2
10°	147.5	173.7	200.3	231.3	268.0	312.1	361.9	422.9	501.0	593.2	703.3
7.5°	149.7	176.3	203.7	235.5	273.1	318.2	369.2	433.2	514.5	610.3	725.6
5°	151.2	178.4	206.3	238.6	276.8	322.5	374.6	440.9	524.3	622.8	741.9
2.5°	152.2	179.9	208.1	240.7	279.2	325.0	377.7	445.2	529.9	629.8	751.1
0°	152.5	180.7	209.0	241.7	280.1	325.7	378.5	446.2	531.2	631.2	752.9
-2.5°	154.0	183.3	211.3	243.4	281.4	326.4	379.2	446.3	529.8	628.3	748.1
-5°	154.8	185.2	212.8	244.0	281.3	325.3	377.5	443.2	524.2	619.9	736.0
-7.5°	154.8	186.3	213.7	243.6	280.0	322.5	373.5	436.9	514.8	606.5	716.7
-10°	154.0	186.6	213.9	242.4	277.5	318.2	367.5	428.2	502.5	589.0	693.2
-12.5°	152.4	185.8	213.7	240.4	274.1	312.8	360.5	418.8	488.1	569.2	665.6
-15°	150.1	183.9	212.9	237.9	269.9	307.0	352.5	407.4	472.1	547.2	634.7
-17.5°	147.4	180.8	212.0	235.5	265.0	300.0	342.7	394.2	454.3	523.2	601.0
-20°	144.0	178.0	211.3	233.3	259.5	292.2	331.4	379.9	434.7	494.9	565.8

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	141.5	174.5	209.7	231.5	254.1	283.8	319.6	362.5	410.2	465.6	529.2
-25°	138.4	170.0	206.5	230.3	249.1	275.2	305.5	341.5	385.2	434.9	491.6
-27.5°	134.3	165.3	200.8	229.4	245.3	264.7	290.0	321.2	359.7	403.8	453.0
-30°	129.2	159.7	193.4	227.3	240.0	253.6	275.1	302.2	334.1	372.3	413.4
-32.5°	122.9	153.3	185.3	218.1	233.3	243.3	260.8	283.6	310.6	340.6	375.3
-35°	115.1	145.7	176.6	200.8	223.9	234.3	247.4	266.3	287.3	311.8	340.0
-37.5°	106.2	136.3	162.2	183.8	208.2	224.8	235.3	248.4	265.3	285.6	308.3
-40°	96.6	124.2	147.7	167.1	187.8	210.8	222.9	231.3	244.1	260.6	279.4
-42.5°	87.5	110.0	132.8	151.6	168.8	188.6	206.4	214.7	224.0	236.6	253.7
-45°	79.9	96.3	117.5	136.2	151.2	166.8	183.0	196.3	204.2	214.0	229.2
-47.5°	73.0	84.9	102.0	120.6	135.3	146.9	159.4	172.3	182.7	193.6	207.0
-50°	66.2	76.2	88.4	104.2	119.7	130.3	139.2	148.5	158.2	173.1	185.8
-52.5°	58.7	68.1	77.8	89.5	102.8	114.7	122.5	129.0	137.7	151.9	164.8
-55°	51.1	59.7	68.7	77.6	87.5	98.3	107.4	113.0	121.5	132.3	144.0
-57.5°	44.2	51.5	58.8	67.4	75.1	83.2	91.6	99.0	107.7	116.4	125.3
-60°	36.8	43.6	50.3	56.5	63.9	70.8	77.5	85.0	94.2	102.0	109.6
-62.5°	29.5	35.5	41.5	47.5	53.1	58.9	64.7	71.8	80.2	88.8	95.7
-65°	22.8	27.6	32.6	38.1	43.2	48.1	52.9	58.7	64.9	72.1	80.2
-67.5°	17.1	20.7	24.6	28.8	33.4	37.5	41.8	46.7	51.9	56.8	61.9
-70°	11.2	14.5	17.6	20.9	24.1	27.5	31.1	34.9	39.1	43.3	47.3
-72.5°	6.3	8.3	10.8	13.5	16.2	18.7	21.4	24.2	27.1	30.1	33.0
-75°	2.8	3.7	5.1	6.7	8.5	10.3	12.4	14.6	16.7	18.8	20.9
-77.5°	1.1	1.4	1.8	2.3	3.1	3.9	4.9	6.1	7.2	8.3	9.7
-80°	0.5	0.5	0.6	0.7	0.9	1.0	1.3	1.5	1.9	2.2	2.7
-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: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-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°	2.5	2.8	3.0	3.3	3.6	3.9	4.2	4.5	4.7	4.9	5.1
85°	7.5	8.1	8.7	9.4	10.1	10.8	11.4	11.9	12.3	12.7	13.1
82.5°	15.4	16.7	17.8	18.9	20.0	20.9	21.9	22.6	23.2	23.8	24.3
80°	24.7	26.3	27.9	29.6	31.2	32.7	34.1	35.1	36.0	36.7	37.3
77.5°	35.5	37.7	39.9	42.0	44.0	45.9	47.7	48.9	49.9	50.7	51.4
75°	47.1	49.8	52.4	55.1	57.6	60.0	62.1	63.7	64.8	65.7	66.5
72.5°	59.2	62.5	65.7	68.9	71.9	74.8	77.5	79.4	80.6	81.6	82.4
70°	71.9	75.8	79.6	83.4	87.4	91.3	95.3	97.9	98.9	99.5	99.6
67.5°	85.1	90.1	94.9	99.7	104.1	108.0	111.7	114.2	115.4	116.4	117.2
65°	100.1	105.8	110.8	115.0	119.9	124.7	129.1	132.6	134.7	136.5	138.1
62.5°	117.0	122.8	128.2	132.9	138.4	143.7	148.6	153.1	156.5	159.8	162.8
60°	135.4	141.5	147.3	152.7	158.9	165.2	170.7	175.4	180.3	185.2	189.7
57.5°	154.1	161.9	169.5	175.8	181.8	188.5	194.5	199.9	206.3	212.5	218.0
55°	177.6	185.9	193.6	200.0	206.1	213.5	220.9	227.9	235.5	242.9	249.3
52.5°	202.7	209.3	217.1	224.5	232.1	242.0	252.3	262.3	272.1	281.2	289.2
50°	224.2	231.4	241.6	252.4	264.1	277.3	291.1	304.7	317.2	328.7	338.7
47.5°	245.6	256.9	270.8	286.4	302.7	319.7	337.5	354.7	370.8	385.2	397.5
45°	270.7	287.0	305.0	325.7	347.0	368.6	391.0	412.8	433.2	451.0	466.2
42.5°	300.1	321.4	344.7	370.4	397.5	425.2	453.2	481.0	506.6	529.0	547.1
40°	333.5	360.5	389.4	421.6	455.7	490.8	525.7	560.1	593.3	624.7	651.4
37.5°	370.3	402.8	439.6	478.7	521.2	564.3	609.4	658.8	710.2	761.0	802.2
35°	407.7	449.5	493.7	541.5	592.6	651.0	721.8	799.3	874.4	947.2	1014.9
32.5°	446.4	498.7	551.4	609.3	678.3	766.1	866.7	973.1	1076.9	1178.1	1272.5
30°	487.3	547.8	612.0	688.0	786.9	908.3	1040.8	1179.9	1316.2	1448.1	1571.1
27.5°	530.0	599.7	679.0	780.8	914.3	1076.1	1244.2	1411.3	1578.8	1736.2	1884.8
25°	574.4	655.5	755.4	888.5	1066.4	1260.6	1455.6	1650.1	1848.4	2038.2	2212.0
22.5°	619.5	714.4	838.9	1014.6	1229.7	1449.0	1665.0	1894.0	2131.8	2363.7	2572.7
20°	666.2	776.1	930.8	1150.0	1392.6	1628.3	1875.3	2155.7	2438.4	2715.3	2989.3
17.5°	712.4	839.9	1028.9	1287.3	1544.2	1795.6	2104.1	2432.1	2766.5	3121.7	3484.0
15°	755.0	902.5	1129.7	1416.0	1675.5	1973.0	2334.6	2715.5	3127.8	3572.5	4031.8
12.5°	795.7	963.0	1227.6	1524.0	1797.8	2153.8	2557.3	3001.1	3503.3	4052.5	4622.5
10°	831.6	1020.7	1321.7	1614.0	1915.5	2319.6	2765.6	3271.1	3864.7	4530.5	5216.7
7.5°	858.8	1069.2	1399.2	1689.3	2029.1	2460.4	2945.6	3516.5	4196.0	4966.6	5754.0
5°	882.4	1111.2	1453.3	1745.9	2115.3	2568.2	3082.7	3701.8	4461.6	5311.4	6185.7
2.5°	898.1	1144.0	1487.4	1792.2	2176.1	2635.7	3165.7	3817.7	4628.5	5531.7	6460.9
0°	903.4	1156.6	1499.7	1811.1	2198.3	2653.8	3187.0	3854.9	4679.8	5598.2	6547.6
-2.5°	900.9	1156.9	1493.2	1808.1	2186.6	2626.6	3149.0	3795.0	4589.2	5485.9	6425.8
-5°	885.9	1135.9	1464.6	1776.3	2138.3	2558.4	3047.4	3652.9	4392.3	5223.9	6106.6
-7.5°	859.8	1095.9	1413.0	1716.2	2061.0	2448.6	2899.1	3436.6	4096.5	4823.7	5604.6
-10°	826.2	1039.5	1337.7	1635.2	1951.2	2306.1	2709.2	3175.4	3732.2	4352.5	5001.9
-12.5°	784.7	970.2	1244.8	1529.2	1815.9	2141.5	2493.2	2888.0	3337.2	3844.0	4369.4
-15°	740.2	895.2	1134.2	1401.5	1666.1	1951.2	2261.2	2595.3	2955.0	3343.9	3758.6
-17.5°	694.5	819.4	1017.8	1265.9	1502.7	1743.3	2015.6	2297.8	2594.9	2896.6	3204.8
-20°	648.4	749.3	901.6	1110.1	1331.7	1546.5	1759.4	1999.5	2245.5	2493.8	2726.9



REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	602.1	686.4	799.1	960.9	1155.4	1345.0	1530.5	1714.5	1910.9	2107.9	2295.4
-25°	555.6	628.1	713.3	830.9	980.0	1142.4	1306.1	1462.2	1616.6	1760.8	1905.0
-27.5°	507.7	570.7	641.5	723.7	830.6	955.0	1086.7	1226.4	1355.4	1474.6	1587.1
-30°	460.6	514.2	574.7	640.5	714.8	802.8	899.1	1002.6	1109.5	1215.0	1309.6
-32.5°	414.6	459.7	511.4	566.5	624.2	685.5	751.6	821.8	892.3	965.6	1040.7
-35°	371.6	410.1	453.2	498.6	545.9	593.5	640.8	689.5	736.7	779.7	823.4
-37.5°	334.6	365.7	400.2	437.3	475.6	514.1	551.7	587.9	620.8	652.1	683.6
-40°	302.6	327.6	354.4	383.1	413.6	444.4	474.7	503.1	529.7	554.1	578.1
-42.5°	272.9	293.7	315.3	338.3	361.1	384.4	407.9	430.5	451.0	473.2	495.2
-45°	245.9	262.6	280.4	300.8	319.8	337.4	354.5	370.9	386.9	408.0	428.6
-47.5°	220.2	234.4	250.8	267.5	284.0	299.8	313.3	325.5	336.7	356.7	375.4
-50°	197.0	208.5	223.6	238.5	252.8	266.5	279.3	290.2	301.3	317.3	332.6
-52.5°	175.7	186.3	198.9	211.8	224.4	238.5	251.6	262.8	274.4	287.7	300.7
-55°	155.4	165.3	175.8	186.3	198.0	213.2	226.6	238.3	251.0	263.8	275.8
-57.5°	134.6	143.7	152.7	161.5	172.7	187.7	202.1	215.6	231.1	245.3	257.8
-60°	116.7	123.2	130.0	137.0	147.2	159.8	173.0	186.4	208.1	227.6	245.1
-62.5°	100.8	105.8	111.1	116.3	123.5	132.1	141.5	153.7	178.3	202.5	225.9
-65°	86.6	91.0	94.4	98.0	102.9	108.7	114.3	123.8	142.6	162.6	183.1
-67.5°	66.3	71.4	76.7	81.2	84.3	87.1	90.1	96.2	107.1	118.9	131.4
-70°	50.6	53.6	56.7	59.8	62.6	65.2	67.6	71.1	75.7	80.4	85.2
-72.5°	35.8	38.4	40.6	42.8	45.2	47.3	49.1	51.5	54.1	56.6	59.0
-75°	22.7	24.5	26.1	27.9	29.8	31.4	32.9	34.9	36.9	38.9	40.8
-77.5°	11.2	12.6	13.9	15.2	16.5	17.8	18.9	20.3	21.6	22.9	24.0
-80°	3.3	3.8	4.4	5.0	5.6	6.3	6.9	7.6	8.2	8.9	9.4
-82.5°	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	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	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

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°	5.5	5.8	6.2	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4
85°	14.0	15.0	15.8	16.7	16.6	16.5	16.3	16.0	15.7	15.3	14.8
82.5°	25.6	26.9	28.1	29.2	29.3	29.4	29.4	29.2	28.3	27.4	26.4
80°	39.0	40.7	42.4	43.9	44.2	44.4	44.4	44.3	42.8	41.3	39.7
77.5°	53.5	55.6	57.6	59.4	60.0	60.4	60.6	60.5	58.4	56.1	53.7
75°	68.8	71.2	73.4	75.5	76.0	76.3	76.4	76.1	73.8	71.3	68.5
72.5°	85.1	88.0	90.6	93.0	93.4	93.6	93.5	92.7	89.7	86.6	83.1
70°	103.1	107.5	111.8	115.8	116.0	115.8	115.2	113.4	109.1	105.0	100.7
67.5°	122.5	129.7	136.7	143.3	145.4	146.8	147.6	145.2	137.2	129.3	121.6
65°	144.5	153.6	162.4	170.6	174.0	176.8	179.1	176.4	165.9	155.2	144.3
62.5°	169.8	179.7	189.0	197.7	201.3	204.3	206.6	202.9	191.8	180.0	167.7
60°	197.1	207.2	216.5	225.1	228.0	230.4	232.2	227.8	217.3	205.9	193.5
57.5°	224.8	234.0	242.4	250.0	252.1	253.4	254.2	249.2	240.2	230.2	219.9
55°	256.3	265.9	274.4	281.7	283.2	283.6	283.1	276.5	267.1	256.5	246.6
52.5°	296.9	307.7	316.8	324.4	325.5	325.1	323.2	313.9	301.9	289.4	278.7
50°	347.2	359.0	368.7	376.3	376.8	375.3	371.6	359.5	345.1	329.6	318.1
47.5°	407.4	419.9	429.9	437.2	437.2	434.7	429.6	415.5	398.9	379.9	365.9
45°	477.7	490.1	499.7	506.0	505.2	501.2	493.6	479.0	461.2	441.2	422.7
42.5°	561.7	574.5	583.3	587.6	584.7	578.0	567.6	552.6	533.0	511.9	490.1
40°	673.2	690.3	700.8	703.8	698.2	685.6	669.7	651.6	626.4	598.3	570.4
37.5°	837.2	865.2	883.5	889.1	876.3	851.3	825.3	795.5	759.2	724.6	683.2
35°	1073.8	1122.5	1155.5	1171.3	1155.8	1121.6	1079.1	1028.9	969.5	904.3	839.3
32.5°	1356.0	1421.3	1467.7	1493.4	1473.9	1431.8	1376.0	1305.5	1222.8	1130.7	1038.8
30°	1675.3	1760.3	1817.6	1849.0	1829.2	1781.5	1709.6	1614.8	1506.2	1389.4	1266.5
27.5°	2010.7	2107.9	2175.2	2212.0	2190.9	2139.6	2058.0	1948.2	1817.9	1670.2	1519.1
25°	2361.0	2480.5	2558.9	2597.0	2577.0	2518.4	2423.2	2296.1	2146.1	1975.6	1793.4
22.5°	2760.1	2912.4	3021.0	3073.6	3047.1	2965.8	2840.1	2685.2	2498.3	2294.4	2082.0
20°	3240.2	3451.4	3606.5	3684.7	3656.0	3544.6	3364.6	3151.3	2903.8	2645.8	2385.2
17.5°	3812.8	4098.4	4309.4	4419.9	4400.9	4255.7	4028.0	3739.2	3398.3	3048.0	2713.0
15°	4462.1	4836.5	5116.9	5266.9	5263.3	5055.0	4777.3	4406.8	3972.5	3511.6	3068.7
12.5°	5166.7	5636.6	5981.2	6175.0	6173.5	5931.2	5596.0	5124.7	4575.9	4005.0	3451.9
10°	5865.7	6414.6	6809.6	7025.5	7001.2	6764.7	6379.1	5821.5	5170.7	4490.9	3831.6
7.5°	6503.4	7120.5	7549.6	7755.4	7714.5	7460.1	7039.0	6438.3	5713.1	4927.2	4166.5
5°	7009.3	7682.3	8145.9	8332.5	8251.2	7965.6	7515.6	6893.7	6121.2	5271.4	4432.8
2.5°	7337.5	8055.9	8535.6	8701.4	8584.7	8274.7	7799.8	7163.1	6369.2	5489.3	4598.4
0°	7442.6	8181.4	8663.9	8825.7	8680.5	8365.0	7882.0	7239.1	6436.9	5546.5	4634.9
-2.5°	7310.9	8028.7	8498.1	8677.6	8506.0	8203.4	7738.2	7102.7	6308.7	5440.3	4546.3
-5°	6937.8	7621.5	8080.1	8288.4	8113.0	7822.1	7385.5	6765.0	6002.5	5167.6	4333.5
-7.5°	6356.7	6984.1	7419.4	7645.3	7479.7	7236.6	6827.1	6241.0	5530.7	4772.6	4020.2
-10°	5644.6	6202.9	6603.1	6810.0	6677.2	6466.9	6097.7	5567.5	4949.7	4290.6	3657.1
-12.5°	4888.1	5352.7	5701.7	5867.2	5739.7	5586.1	5262.3	4830.1	4320.3	3786.5	3266.0
-15°	4162.0	4524.1	4804.1	4926.9	4816.1	4691.2	4442.6	4100.7	3710.8	3287.9	2886.2
-17.5°	3498.6	3761.4	3964.4	4044.6	3975.1	3870.2	3689.1	3441.0	3142.8	2832.6	2530.7
-20°	2935.4	3125.3	3252.3	3296.6	3251.6	3174.1	3049.1	2866.5	2657.4	2437.2	2209.4

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2460.2	2598.3	2685.3	2708.1	2675.6	2609.9	2522.3	2401.2	2253.7	2084.9	1907.0
-25°	2035.8	2145.4	2201.9	2214.3	2199.8	2155.2	2096.7	2008.2	1896.7	1768.2	1626.4
-27.5°	1686.0	1762.7	1807.0	1821.4	1816.0	1785.0	1742.0	1675.6	1591.9	1491.5	1379.2
-30°	1394.4	1461.1	1494.7	1505.1	1501.5	1475.3	1443.5	1392.1	1324.3	1242.7	1151.2
-32.5°	1112.8	1171.7	1203.6	1214.1	1213.3	1194.5	1166.8	1125.6	1073.2	1010.9	937.8
-35°	863.0	894.2	912.7	917.7	929.1	924.9	911.0	887.6	853.1	809.6	757.6
-37.5°	709.8	727.8	737.1	738.8	741.3	736.0	727.8	714.7	692.7	661.7	622.9
-40°	597.2	609.1	613.5	612.3	612.5	606.7	597.2	585.4	569.0	549.6	526.6
-42.5°	513.3	521.3	523.2	521.4	519.2	512.8	503.6	495.7	483.8	468.7	450.5
-45°	446.4	451.7	452.5	450.5	445.6	437.7	427.7	421.2	411.4	399.1	386.1
-47.5°	392.3	395.0	395.1	393.1	386.4	377.6	366.7	361.5	354.1	344.6	335.6
-50°	346.0	347.2	346.8	344.9	338.6	330.9	321.8	316.8	310.6	302.2	293.8
-52.5°	310.9	311.0	310.1	308.0	302.1	294.9	286.3	279.9	272.7	264.3	256.7
-55°	283.9	283.7	282.8	281.1	273.3	264.6	254.7	247.3	240.3	232.1	224.5
-57.5°	264.8	264.1	263.0	261.6	251.2	240.2	228.1	219.0	211.5	203.1	194.8
-60°	252.5	250.0	247.3	244.3	230.7	216.2	200.9	189.8	182.6	175.0	167.1
-62.5°	233.2	228.6	223.5	217.7	202.5	186.5	169.9	158.3	153.3	148.3	143.4
-65°	188.9	184.9	179.6	173.2	161.8	149.8	137.5	128.8	126.3	123.5	120.6
-67.5°	135.7	135.1	133.2	130.3	123.7	116.6	109.2	103.8	102.6	101.4	100.0
-70°	87.3	87.9	88.1	87.7	86.1	84.2	82.0	80.4	80.7	80.9	80.9
-72.5°	59.9	60.3	60.5	60.3	60.4	60.2	59.7	59.3	60.0	60.5	60.6
-75°	41.2	41.1	40.7	40.2	40.6	40.8	40.9	40.8	41.4	41.8	41.8
-77.5°	24.2	24.1	23.9	23.6	24.0	24.3	24.5	24.6	25.0	25.3	25.4
-80°	9.5	9.5	9.5	9.3	9.8	10.3	10.6	10.8	11.2	11.6	11.7
-82.5°	1.5	1.5	1.5	1.4	1.8	2.2	2.5	2.8	3.0	3.3	3.4
-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	1.1	1.1	1.2

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-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°	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.1	5.9
85°	14.4	14.3	14.1	14.0	13.8	13.6	13.3	13.0	12.7	12.1	11.5
82.5°	25.4	25.1	24.7	24.3	23.8	23.3	22.7	22.0	21.3	20.2	19.0
80°	38.1	37.6	37.0	36.3	35.5	34.6	33.6	32.5	31.3	29.5	27.7
77.5°	51.7	51.0	50.3	49.3	48.2	46.9	45.5	44.0	42.1	39.7	37.3
75°	66.2	65.2	64.2	63.0	61.6	59.9	58.1	56.1	53.6	50.6	47.5
72.5°	80.5	79.7	78.6	77.0	75.2	73.1	71.0	68.6	65.5	61.8	58.0
70°	97.8	96.8	95.6	93.9	91.3	88.0	84.6	81.4	77.4	73.1	68.9
67.5°	116.9	114.2	111.5	109.1	106.8	104.3	101.1	97.1	91.1	85.1	79.7
65°	138.2	133.9	129.5	125.1	122.0	118.3	114.4	110.2	105.0	98.8	91.9
62.5°	161.1	155.5	149.6	143.8	139.6	135.0	130.5	124.9	117.9	111.0	104.3
60°	186.5	179.2	171.7	165.1	159.5	153.5	147.3	140.7	132.9	124.9	116.5
57.5°	212.4	204.0	195.0	187.4	180.6	173.4	166.3	157.8	148.6	139.7	130.3
55°	238.8	229.9	220.3	211.6	202.9	194.6	186.0	177.0	166.8	155.5	146.2
52.5°	269.5	259.5	248.4	237.5	226.2	215.7	206.6	197.6	186.8	174.5	164.9
50°	306.8	294.3	281.1	267.4	253.4	239.5	228.0	217.7	207.1	194.8	187.1
47.5°	351.2	335.3	319.6	302.7	285.3	268.2	253.4	239.4	226.6	216.1	208.4
45°	403.6	383.0	362.9	342.4	321.8	301.6	282.4	264.6	247.9	235.7	226.5
42.5°	465.3	439.7	413.6	387.5	361.9	337.6	314.1	292.5	272.7	256.1	243.3
40°	539.9	506.7	473.4	440.7	408.3	377.4	348.4	321.8	299.2	278.5	261.0
37.5°	635.4	588.3	545.1	501.8	461.5	422.7	386.9	355.3	327.3	302.1	280.4
35°	769.3	710.0	639.7	573.9	520.5	473.5	430.3	392.9	358.5	327.6	300.8
32.5°	945.4	852.6	763.9	676.5	590.2	528.3	478.2	433.7	392.8	355.7	322.2
30°	1144.0	1027.3	906.1	788.6	688.8	592.3	526.8	475.6	429.4	385.1	345.8
27.5°	1364.6	1218.0	1073.4	927.4	790.3	677.7	580.1	516.3	464.3	416.2	370.8
25°	1605.5	1425.5	1254.0	1083.3	914.6	762.7	646.5	557.9	498.9	446.6	396.4
22.5°	1864.2	1646.3	1442.1	1245.2	1051.2	868.3	719.3	601.8	530.9	474.8	422.3
20°	2129.5	1877.8	1636.8	1411.3	1193.0	980.8	788.5	654.5	562.1	501.8	442.4
17.5°	2400.8	2108.4	1835.3	1578.5	1331.8	1090.2	872.2	709.5	591.8	520.8	457.4
15°	2677.3	2332.4	2021.8	1736.8	1464.8	1200.2	956.0	753.2	619.8	538.0	470.2
12.5°	2963.7	2546.9	2190.0	1878.7	1589.5	1301.7	1029.6	799.4	650.8	553.9	481.5
10°	3236.4	2741.7	2342.2	1998.9	1690.8	1391.7	1096.1	844.7	676.1	567.9	491.2
7.5°	3481.9	2913.3	2463.3	2092.7	1771.6	1464.0	1152.1	879.8	695.5	580.4	500.4
5°	3669.9	3044.0	2552.5	2162.8	1827.4	1512.2	1190.4	906.0	711.1	589.8	506.7
2.5°	3783.0	3119.0	2606.4	2201.0	1856.5	1537.1	1210.0	919.2	720.0	595.0	510.0
0°	3798.4	3133.7	2618.0	2209.2	1861.9	1540.4	1209.8	918.2	722.1	595.8	510.0
-2.5°	3735.5	3083.7	2589.4	2184.3	1838.3	1518.2	1192.2	906.4	716.3	591.8	506.4
-5°	3581.1	2980.1	2516.7	2128.2	1790.1	1473.0	1155.4	880.8	703.5	583.6	499.4
-7.5°	3359.8	2824.5	2403.9	2040.6	1715.4	1408.7	1102.0	843.3	683.8	571.1	489.1
-10°	3094.5	2639.2	2264.4	1928.4	1619.4	1328.2	1036.1	801.8	657.3	553.9	476.3
-12.5°	2813.7	2432.2	2101.8	1793.4	1506.4	1229.9	960.7	756.8	624.4	534.7	460.7
-15°	2526.2	2213.7	1924.2	1643.9	1381.9	1117.9	879.0	711.1	592.6	512.2	442.8
-17.5°	2252.9	1987.8	1731.2	1485.3	1245.8	1004.0	800.6	662.0	560.9	488.1	423.4
-20°	1982.4	1759.1	1535.1	1319.2	1100.8	891.1	729.9	610.6	530.6	462.9	402.9



REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1720.8	1532.7	1344.2	1154.8	957.7	787.7	663.4	568.0	499.9	438.7	383.5
-25°	1477.1	1322.7	1162.0	989.7	827.4	702.1	597.7	529.0	470.0	414.6	365.2
-27.5°	1257.3	1127.2	980.4	838.4	721.2	618.7	548.3	492.5	440.3	391.2	346.6
-30°	1047.2	934.8	816.7	716.2	624.4	556.9	504.2	456.4	411.6	368.0	328.1
-32.5°	854.2	767.0	689.4	609.3	551.8	507.0	463.5	421.6	381.5	343.9	310.3
-35°	703.0	640.7	580.3	534.0	493.5	458.2	425.0	387.5	351.5	320.5	293.9
-37.5°	581.8	543.9	506.5	470.1	438.9	410.8	384.5	353.7	324.8	299.5	279.2
-40°	500.5	471.8	442.1	412.8	388.2	366.1	344.2	324.4	301.2	282.1	265.3
-42.5°	430.5	408.2	385.8	364.0	342.5	325.9	310.4	296.2	281.9	266.3	253.6
-45°	371.5	355.7	339.3	322.3	305.2	292.4	282.1	272.8	264.7	253.3	244.3
-47.5°	325.1	313.1	299.8	286.6	274.6	265.0	258.2	252.1	247.7	243.1	235.5
-50°	284.8	274.9	264.9	256.3	248.5	241.3	236.5	233.2	232.5	233.4	219.9
-52.5°	249.9	242.4	235.1	229.4	223.9	218.6	215.0	213.8	213.2	211.4	200.0
-55°	219.3	213.5	207.1	203.2	199.2	194.3	188.4	186.5	185.6	185.7	182.4
-57.5°	190.7	186.1	180.7	176.4	171.8	165.0	156.7	157.7	160.3	162.6	161.8
-60°	163.7	159.6	154.7	150.0	145.4	139.6	133.0	133.4	137.3	138.2	134.9
-62.5°	140.1	136.4	132.0	127.4	123.3	119.0	114.5	112.5	114.2	111.8	104.8
-65°	117.9	114.9	111.7	108.4	105.5	101.7	96.6	91.8	91.1	87.5	82.7
-67.5°	98.4	96.4	93.9	91.0	87.9	84.3	80.4	76.4	74.0	71.3	68.3
-70°	80.1	78.4	76.3	73.7	70.8	67.9	64.8	61.8	59.5	57.4	55.0
-72.5°	60.0	58.6	57.1	55.5	53.8	51.9	49.9	47.8	46.0	44.4	42.6
-75°	41.5	40.9	40.1	39.4	38.4	37.1	35.7	34.2	32.9	31.8	30.3
-77.5°	25.4	25.3	25.0	24.7	24.2	23.6	22.8	21.9	21.1	20.4	19.6
-80°	11.9	12.1	12.1	12.2	12.0	11.9	11.6	11.3	10.9	10.6	10.2
-82.5°	3.6	3.6	3.7	3.7	3.7	3.8	3.9	3.9	3.8	4.0	4.1
-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°	1.2	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.8	1.9

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

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°	5.8	5.6	5.5	5.4	5.2	5.1	4.8	4.6	4.3	4.0	3.5
85°	10.9	10.3	9.9	9.5	9.0	8.6	8.0	7.4	6.9	6.3	5.5
82.5°	17.8	16.7	15.9	15.1	14.2	13.3	12.2	11.2	10.1	8.9	7.6
80°	26.0	24.2	23.0	21.8	20.4	18.9	17.4	15.7	14.0	12.3	10.2
77.5°	34.9	32.7	30.9	29.1	27.3	25.3	23.0	20.8	18.5	16.1	13.2
75°	44.4	41.6	39.4	37.1	34.6	32.0	29.1	26.2	23.3	20.1	16.5
72.5°	54.2	51.0	48.2	45.2	42.2	39.1	35.5	32.0	28.4	24.3	19.9
70°	64.3	60.6	57.2	53.7	50.1	46.2	42.2	38.0	33.7	28.8	23.5
67.5°	74.6	70.6	66.6	62.4	58.0	53.7	49.0	44.2	39.2	33.3	27.2
65°	85.3	80.9	76.0	71.1	66.2	61.1	55.9	50.4	44.8	37.8	30.9
62.5°	98.0	92.8	86.8	80.4	74.3	68.6	62.8	56.8	50.4	42.4	34.7
60°	111.1	106.1	99.4	91.6	83.3	76.0	69.5	63.0	55.9	46.9	38.4
57.5°	125.5	119.9	113.0	104.4	93.7	84.1	76.2	69.0	61.0	51.4	42.2
55°	141.1	134.8	127.4	118.0	105.1	93.0	83.2	74.9	65.8	55.7	45.7
52.5°	157.6	150.3	142.1	132.0	117.9	102.9	90.6	81.0	70.4	59.8	49.2
50°	177.2	166.8	157.1	146.8	132.3	114.7	98.5	86.7	74.8	63.7	52.6
47.5°	199.2	186.4	173.3	162.0	147.7	128.4	108.1	92.2	79.2	67.5	55.9
45°	218.9	208.0	191.1	177.3	163.2	143.7	120.0	98.2	83.6	71.0	59.0
42.5°	234.5	225.9	209.6	192.2	178.2	159.4	131.8	105.2	88.1	74.3	61.9
40°	248.4	238.2	225.2	207.8	191.9	174.6	142.3	112.9	92.5	77.5	64.7
37.5°	262.2	247.9	236.9	222.1	204.5	184.1	151.0	120.3	97.2	81.0	67.2
35°	277.5	258.8	245.9	233.6	216.7	188.7	157.4	126.7	101.9	84.2	69.5
32.5°	294.1	270.9	254.0	242.6	222.1	192.2	161.9	131.6	106.4	87.3	71.9
30°	311.7	284.3	263.3	247.3	226.3	195.8	165.0	135.0	110.1	90.2	74.4
27.5°	331.0	298.6	271.7	249.6	229.7	199.8	167.0	137.2	113.0	93.4	77.0
25°	351.4	311.7	278.3	252.7	232.4	203.6	168.7	138.2	114.9	96.8	79.5
22.5°	369.8	322.2	285.0	256.2	234.3	207.0	170.3	138.4	118.2	100.2	81.8
20°	383.4	332.3	291.3	259.6	235.8	209.7	171.9	141.7	120.9	103.4	83.9
17.5°	395.8	341.3	296.9	262.8	237.0	211.8	176.2	145.1	123.2	106.3	85.8
15°	406.5	349.0	302.0	265.8	238.4	213.4	179.7	147.9	125.2	108.9	87.5
12.5°	415.1	355.4	307.0	269.7	239.9	214.0	181.9	150.2	126.9	111.1	89.1
10°	422.9	362.6	312.8	273.2	241.2	214.0	182.9	151.9	128.2	112.9	90.5
7.5°	430.0	368.2	317.2	275.9	242.0	213.3	182.9	152.9	129.1	114.4	91.7
5°	434.7	371.8	320.1	277.6	242.3	212.1	182.1	153.3	129.7	115.5	92.5
2.5°	436.7	373.2	321.5	278.3	241.8	210.3	180.4	153.1	129.8	116.4	93.1
0°	435.9	372.5	321.3	277.9	240.4	207.7	178.0	152.3	129.6	116.9	93.4
-2.5°	432.8	370.3	319.6	276.4	239.4	207.2	177.8	152.2	129.5	117.0	93.1
-5°	427.1	366.1	316.3	273.7	237.5	205.9	177.0	151.5	129.0	116.8	92.5
-7.5°	418.7	359.9	311.5	269.9	234.7	203.9	175.7	150.2	128.3	116.2	91.6
-10°	407.9	352.1	305.3	264.9	231.1	201.1	173.8	148.5	127.2	115.4	90.4
-12.5°	395.9	343.0	297.8	259.0	226.8	197.8	171.4	146.2	125.8	114.2	88.8
-15°	382.9	333.3	290.0	252.9	221.9	193.8	168.3	143.6	124.4	112.2	87.1
-17.5°	368.3	322.3	282.2	247.8	217.5	189.3	164.9	140.7	122.9	109.6	85.3
-20°	353.2	311.0	274.0	242.2	213.6	185.8	160.8	137.5	121.6	106.2	83.2

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	337.6	299.3	265.7	236.4	209.0	181.7	156.4	134.0	120.9	102.3	80.9
-25°	322.8	287.8	257.4	230.3	203.9	176.6	151.0	130.1	120.2	98.0	78.5
-27.5°	308.8	276.7	249.1	223.8	197.9	170.2	145.3	126.3	117.2	93.7	75.8
-30°	294.9	266.9	241.7	216.9	190.4	162.7	139.6	122.8	111.7	89.4	73.1
-32.5°	282.0	257.5	234.7	210.3	181.2	154.4	133.6	119.7	104.7	85.0	70.5
-35°	270.5	249.3	228.7	203.5	170.8	146.2	127.6	116.0	97.7	80.7	67.5
-37.5°	260.6	242.5	223.2	194.6	162.9	138.1	122.2	109.7	91.2	76.3	64.2
-40°	252.2	237.7	215.4	184.4	155.6	131.0	116.8	101.4	85.3	72.0	60.8
-42.5°	244.1	231.9	203.9	174.3	148.4	126.3	109.1	93.4	79.6	67.8	57.2
-45°	235.6	218.3	191.3	164.9	140.8	120.6	100.1	86.2	74.1	63.4	53.4
-47.5°	220.7	200.4	179.7	155.3	133.0	112.1	92.8	79.4	68.7	58.9	49.5
-50°	201.7	184.3	166.8	144.6	122.8	102.1	85.4	72.9	63.3	54.4	45.7
-52.5°	184.7	168.6	151.2	131.7	110.5	92.0	77.3	66.7	57.8	49.7	41.7
-55°	167.4	150.8	133.6	116.7	97.4	81.2	70.1	60.5	52.4	45.1	37.8
-57.5°	146.8	130.0	113.4	99.3	83.6	72.1	62.8	54.3	47.0	40.4	33.9
-60°	121.5	106.1	93.8	82.3	72.4	63.6	55.4	48.2	41.9	35.7	30.1
-62.5°	95.3	86.1	77.6	70.3	62.7	55.1	48.4	42.4	36.4	31.3	26.2
-65°	77.9	72.0	65.9	59.5	53.1	47.1	41.8	36.3	31.2	26.8	22.4
-67.5°	65.0	59.9	54.7	49.5	44.4	39.7	34.8	30.3	26.2	22.3	18.7
-70°	52.5	48.9	44.3	40.2	36.0	31.9	28.1	24.5	21.2	18.2	15.3
-72.5°	40.5	37.7	34.0	30.6	27.6	24.4	21.7	19.1	16.6	14.3	12.2
-75°	28.4	26.5	24.4	22.0	19.9	17.8	16.0	14.1	12.4	10.8	9.3
-77.5°	18.6	17.5	15.9	14.5	13.3	12.0	10.7	9.7	8.7	7.8	6.9
-80°	9.8	9.2	8.9	8.3	7.6	6.9	6.6	6.3	5.8	5.3	4.7
-82.5°	4.3	4.3	4.1	3.9	3.7	3.5	3.4	3.4	3.2	2.9	2.8
-85°	0.8	0.8	1.0	1.1	1.1	1.1	1.3	1.4	1.4	1.5	1.6
-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°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8

REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-5H5V

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°	3.1	2.6	2.2	1.9	1.6	1.4	1.1
85°	4.7	3.9	3.2	2.5	2.0	1.5	1.1
82.5°	6.4	5.3	4.3	3.3	2.4	1.7	1.1
80°	8.3	6.8	5.4	4.1	2.9	1.8	1.1
77.5°	10.6	8.3	6.5	4.9	3.4	2.0	1.1
75°	13.1	10.1	7.6	5.8	4.0	2.3	1.1
72.5°	15.8	12.1	8.9	6.6	4.5	2.5	1.1
70°	18.6	14.2	10.4	7.4	5.0	2.7	1.1
67.5°	21.5	16.4	11.9	8.3	5.5	2.9	1.1
65°	24.5	18.6	13.6	9.3	6.1	3.2	1.1
62.5°	27.5	20.9	15.2	10.2	6.6	3.4	1.1
60°	30.5	23.2	16.8	11.3	7.1	3.7	1.1
57.5°	33.4	25.4	18.5	12.4	7.6	3.9	1.1
55°	36.4	27.6	20.2	13.5	8.1	4.2	1.1
52.5°	39.2	29.9	21.9	14.6	8.6	4.4	1.1
50°	42.0	32.1	23.5	15.7	9.1	4.6	1.1
47.5°	44.6	34.4	25.1	16.7	9.6	4.8	1.1
45°	47.1	36.6	26.7	17.8	10.2	5.0	1.1
42.5°	49.6	38.6	28.2	18.8	10.7	5.2	1.1
40°	52.1	40.7	29.8	19.8	11.3	5.4	1.1
37.5°	54.5	42.6	31.2	20.8	11.8	5.5	1.1
35°	56.8	44.4	32.6	21.7	12.3	5.7	1.1
32.5°	59.1	46.1	34.0	22.5	12.7	5.9	1.1
30°	61.2	47.8	35.2	23.3	13.2	6.0	1.1
27.5°	63.2	49.3	36.3	24.1	13.6	6.1	1.1
25°	65.0	50.8	37.3	24.7	13.9	6.3	1.1
22.5°	66.6	52.1	38.3	25.4	14.3	6.4	1.1
20°	68.1	53.3	39.2	25.9	14.6	6.5	1.1
17.5°	69.5	54.3	39.9	26.5	14.9	6.5	1.1
15°	70.7	55.3	40.6	26.9	15.1	6.6	1.1
12.5°	71.7	56.0	41.1	27.3	15.3	6.7	1.1
10°	72.5	56.7	41.6	27.6	15.5	6.7	1.1
7.5°	73.2	57.1	41.9	27.8	15.6	6.8	1.1
5°	73.7	57.5	42.2	27.9	15.7	6.8	1.1
2.5°	74.1	57.7	42.3	28.0	15.7	6.8	1.1
0°	74.2	57.7	42.3	28.0	15.7	6.8	1.1
-2.5°	74.0	57.5	42.2	27.9	15.6	6.8	1.1
-5°	73.6	57.2	41.9	27.7	15.5	6.7	1.1
-7.5°	72.9	56.8	41.5	27.5	15.4	6.7	1.1
-10°	72.1	56.1	41.0	27.1	15.2	6.6	1.1
-12.5°	71.2	55.4	40.4	26.7	15.0	6.6	1.1
-15°	70.0	54.4	39.7	26.2	14.7	6.5	1.1
-17.5°	68.7	53.4	38.9	25.7	14.4	6.4	1.1
-20°	67.2	52.2	38.0	25.1	14.0	6.3	1.1



REPORT NUMBER: P1217543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: TRX30S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	65.5	50.8	37.0	24.4	13.7	6.1	1.1
-25°	63.7	49.3	35.9	23.7	13.2	6.0	1.1
-27.5°	61.8	47.7	34.8	22.9	12.8	5.9	1.1
-30°	59.6	45.9	33.6	22.0	12.3	5.7	1.1
-32.5°	57.3	44.1	32.3	21.1	11.9	5.6	1.1
-35°	54.8	42.2	30.8	20.1	11.3	5.4	1.1
-37.5°	52.1	40.2	29.2	19.1	10.8	5.2	1.1
-40°	49.4	38.0	27.6	18.1	10.2	5.0	1.1
-42.5°	46.4	35.9	25.9	17.0	9.7	4.8	1.1
-45°	43.3	33.7	24.2	16.0	9.1	4.6	1.1
-47.5°	40.2	31.5	22.5	14.9	8.6	4.4	1.1
-50°	37.1	29.0	20.8	13.7	8.1	4.2	1.1
-52.5°	34.0	26.5	19.0	12.6	7.5	3.9	1.1
-55°	30.9	24.0	17.3	11.5	7.1	3.7	1.1
-57.5°	27.7	21.5	15.6	10.4	6.6	3.5	1.1
-60°	24.4	19.0	13.9	9.3	6.1	3.2	1.1
-62.5°	21.3	16.6	12.2	8.3	5.6	3.0	1.1
-65°	18.2	14.3	10.6	7.4	5.1	2.7	1.1
-67.5°	15.3	12.1	9.1	6.6	4.5	2.5	1.1
-70°	12.6	10.1	7.6	5.8	4.0	2.3	1.1
-72.5°	10.1	8.2	6.5	5.0	3.4	2.1	1.1
-75°	7.9	6.5	5.4	4.2	2.9	1.9	1.1
-77.5°	5.9	5.1	4.3	3.3	2.5	1.7	1.1
-80°	4.2	3.8	3.2	2.6	2.0	1.5	1.1
-82.5°	2.8	2.5	2.2	1.9	1.7	1.4	1.1
-85°	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-87.5°	0.8	0.9	0.9	1.0	1.1	1.1	1.1
-90°	1.7	1.6	1.5	1.4	1.3	1.2	1.1

(END OF REPORT)