

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: HALO

Report Number: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-HI-3000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ()
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: BKHDR150CLD2D-HI-3000K
Description: BULK HEAD 3500LM SEL 5CCT UNV D2D BRONZE at 3000K CCT

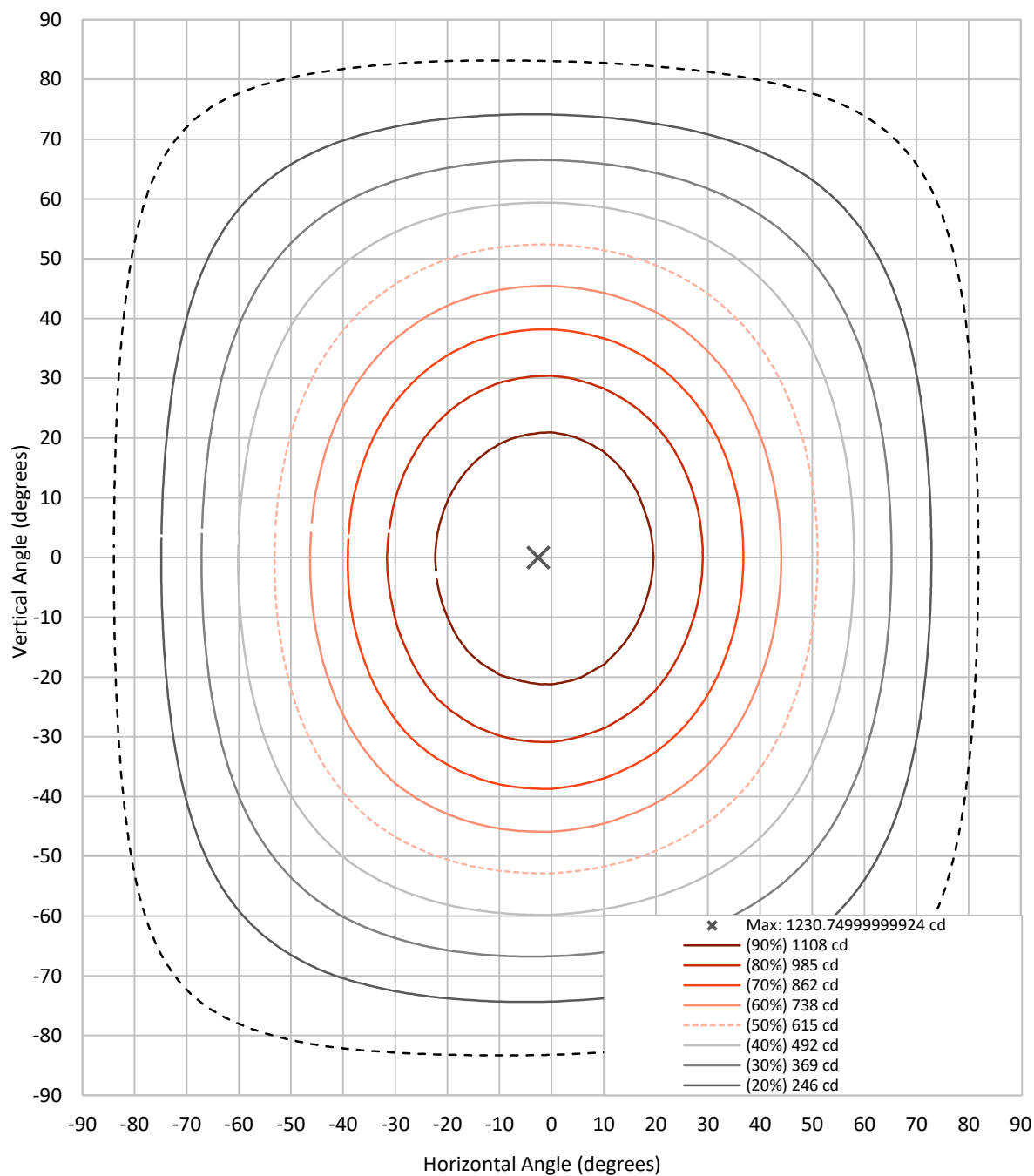
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	3334 lumens	Max Intensity:	1230.7 candela
Efficiency:	159.7%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	107.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.76' x H: 0')		
Beam Angle (50%):	104.2°H x 105.2°V	Field Angle (10%):	165.8°H x 166.3°V
Beam Lumens:	2204.2 lumens	Field Lumens:	3266.7 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	31		
Input Voltage (V):			
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:			
Total Harmonic Distortion (THDi):			
Frequency (hertz):	60		
Stabilization Time:	HR		
Operation Time:	HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

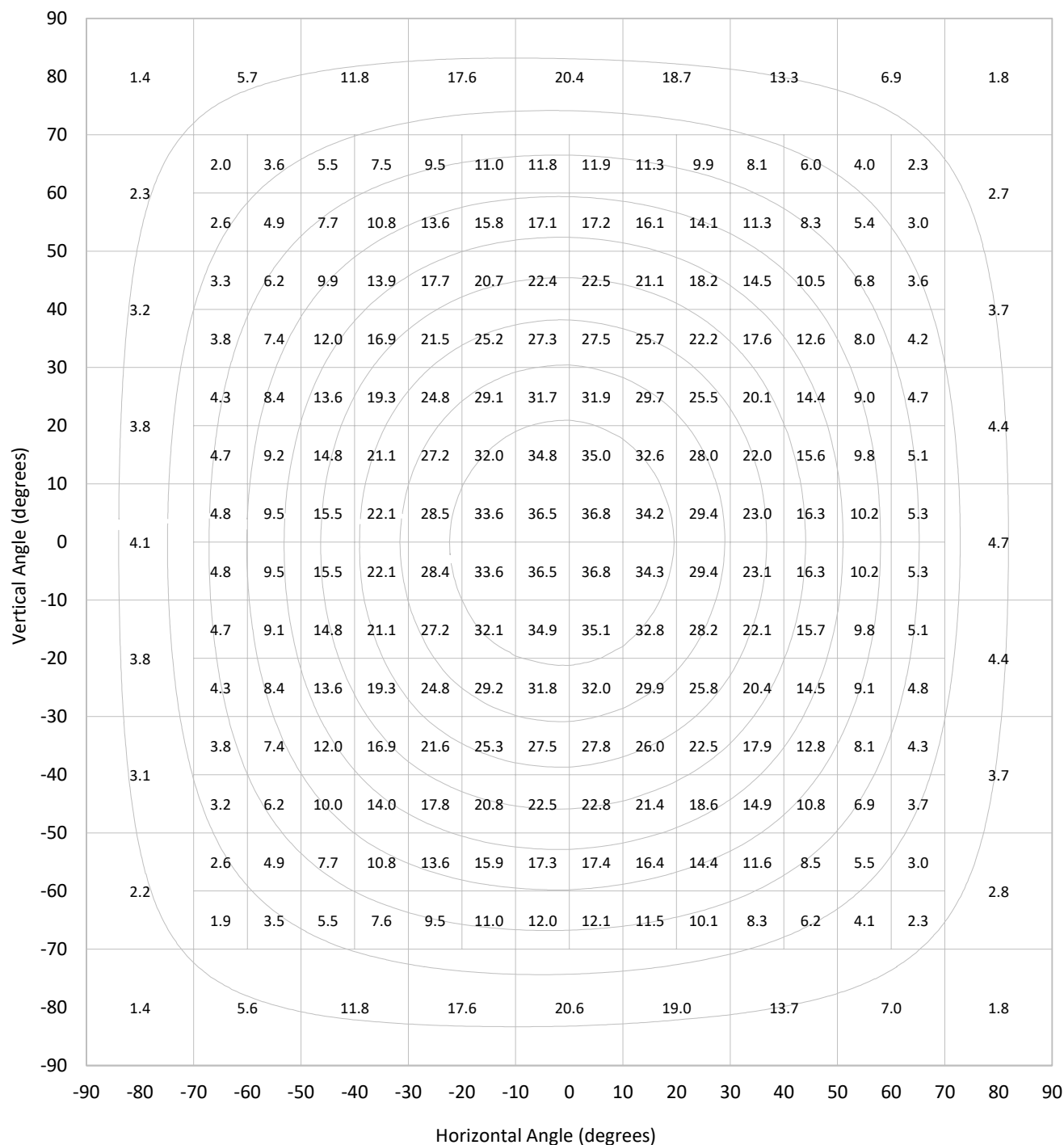
REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

Iso-Candela Plot



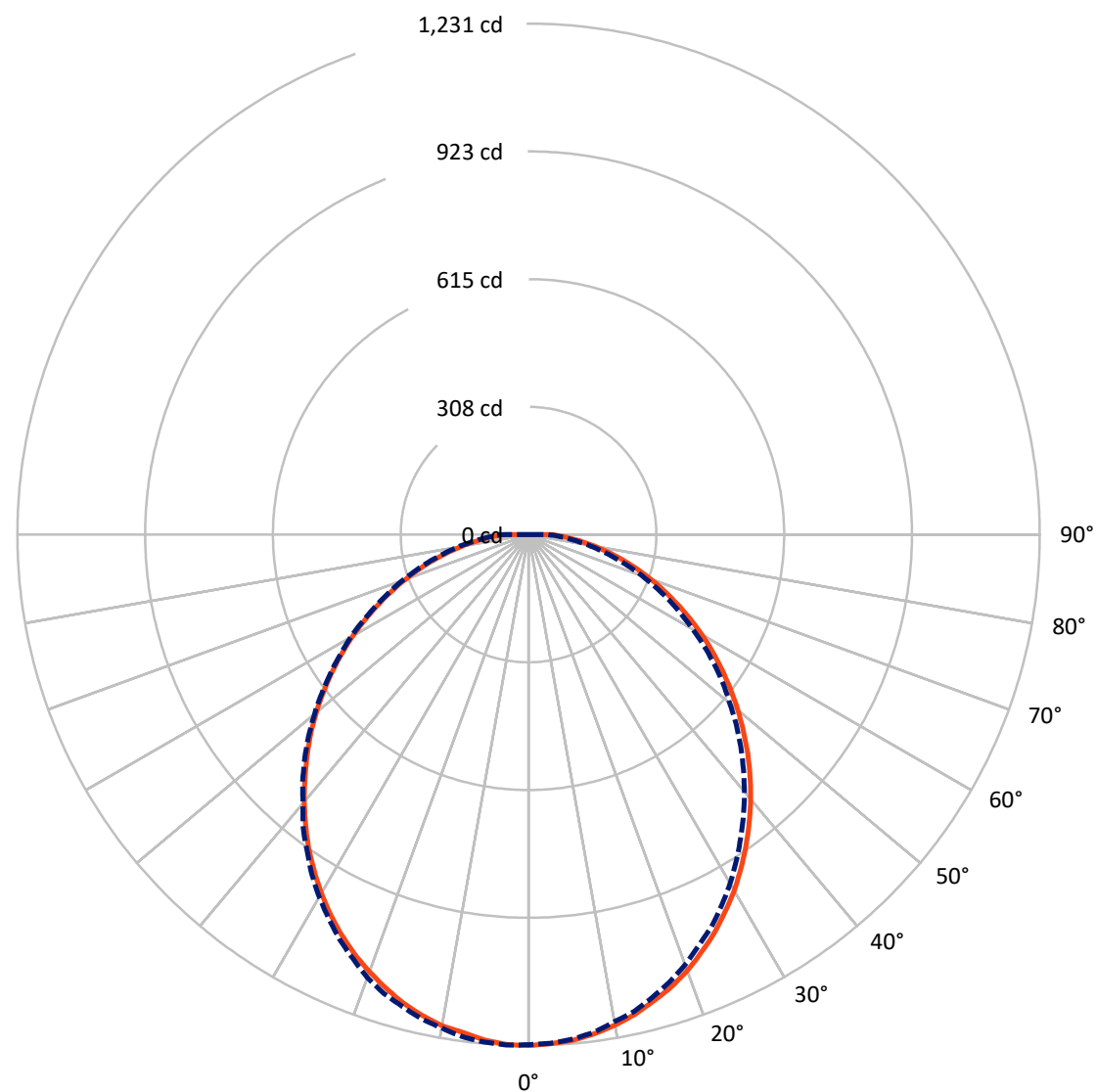
REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

Lumen Table



REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

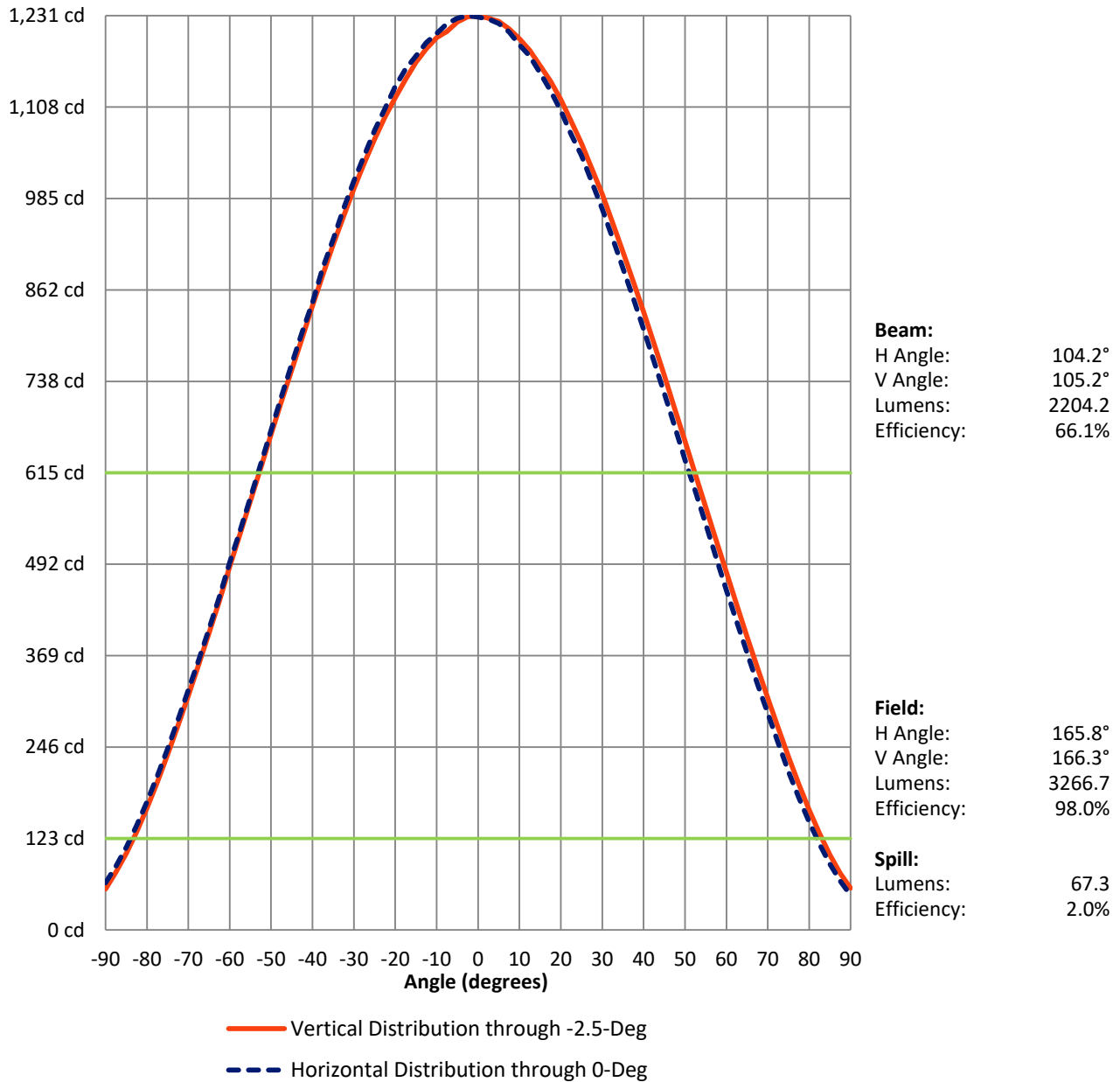
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

Luminous Intensity Plot



REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.6
87.5°	63.4	64.3	65.2	66.1	67.0	67.9	68.8	69.7	70.5	71.3	72.0
85°	63.4	65.2	67.1	68.9	70.7	72.5	74.4	76.3	78.1	79.9	81.5
82.5°	63.4	66.2	68.9	71.6	74.5	77.4	80.2	83.1	86.1	89.0	91.7
80°	63.4	67.1	70.7	74.5	78.4	82.3	86.3	90.2	94.4	98.4	102.3
77.5°	63.4	68.0	72.6	77.4	82.3	87.3	92.4	97.7	103.0	108.4	113.7
75°	63.4	68.9	74.5	80.3	86.3	92.4	98.8	105.3	112.0	118.8	125.4
72.5°	63.4	69.8	76.4	83.2	90.2	97.7	105.3	113.2	121.3	129.4	137.5
70°	63.4	70.6	78.2	86.1	94.4	103.0	112.0	121.3	130.8	140.3	149.9
67.5°	63.4	71.5	80.1	89.0	98.5	108.4	118.9	129.5	140.4	151.5	162.8
65°	63.4	72.4	81.9	91.9	102.6	113.9	125.7	137.8	150.1	162.9	175.8
62.5°	63.4	73.3	83.8	94.9	106.8	119.5	132.6	146.0	160.0	174.4	188.9
60°	63.4	74.1	85.6	97.8	110.9	125.0	139.4	154.5	170.1	185.9	202.2
57.5°	63.4	75.0	87.3	100.7	115.1	130.4	146.2	162.9	180.0	197.6	215.4
55°	63.4	75.8	89.0	103.6	119.3	135.8	153.1	171.2	190.0	209.2	228.6
52.5°	63.4	76.6	90.7	106.4	123.4	141.1	159.9	179.6	199.8	220.6	241.7
50°	63.4	77.3	92.5	109.1	127.3	146.2	166.6	187.7	209.5	231.8	254.6
47.5°	63.4	78.1	94.1	111.8	131.2	151.5	173.2	195.7	219.0	243.0	267.3
45°	63.4	78.8	95.7	114.5	134.9	156.6	179.6	203.6	228.3	253.8	279.7
42.5°	63.4	79.5	97.3	117.1	138.6	161.5	185.8	211.2	237.4	264.4	291.7
40°	63.4	80.1	98.7	119.6	142.0	166.3	191.8	218.6	246.2	274.7	303.5
37.5°	63.4	80.7	100.1	122.0	145.3	170.8	197.6	225.6	254.7	284.4	314.8
35°	63.4	81.3	101.5	124.2	148.6	175.2	203.1	232.4	262.8	293.8	325.7
32.5°	63.4	81.9	102.8	126.4	151.7	179.3	208.4	238.9	270.6	302.8	335.9
30°	63.4	82.4	104.0	128.4	154.7	183.2	213.4	245.0	277.9	311.3	345.5
27.5°	63.4	82.9	105.1	130.2	157.4	186.9	218.0	250.7	284.5	319.4	354.4
25°	63.4	83.4	106.1	131.9	159.9	190.3	222.3	256.0	290.7	326.8	362.8
22.5°	63.4	83.8	107.0	133.5	162.3	193.4	226.2	260.8	296.6	333.5	370.5
20°	63.4	84.2	107.9	134.9	164.4	196.1	229.8	265.4	301.9	339.5	377.4
17.5°	63.4	84.5	108.6	136.2	166.2	198.6	233.0	269.4	306.6	344.9	383.6
15°	63.4	84.8	109.3	137.3	167.8	200.8	235.9	272.9	310.8	349.6	389.0
12.5°	63.4	85.0	109.8	138.2	169.2	202.7	238.3	275.9	314.4	353.5	393.8
10°	63.4	85.2	110.3	139.0	170.4	204.3	240.3	278.3	317.4	356.9	397.8
7.5°	63.4	85.4	110.6	139.6	171.2	205.5	241.8	280.2	319.7	359.6	401.0
5°	63.4	85.5	110.9	140.0	171.9	206.4	243.0	281.6	321.4	361.5	403.3
2.5°	63.4	85.6	111.0	140.3	172.3	206.9	243.7	282.4	322.5	362.7	404.7
0°	63.4	85.6	111.1	140.4	172.4	207.1	243.9	282.7	322.9	363.1	405.2
-2.5°	63.4	85.6	111.1	140.3	172.3	207.0	243.8	282.6	322.8	363.0	405.1
-5°	63.4	85.5	110.9	140.1	172.0	206.5	243.3	282.0	322.0	362.2	404.2
-7.5°	63.4	85.4	110.7	139.7	171.4	205.7	242.3	280.8	320.6	360.5	402.3
-10°	63.4	85.3	110.3	139.1	170.5	204.6	240.9	279.1	318.5	358.1	399.6
-12.5°	63.4	85.1	109.9	138.3	169.4	203.1	239.0	276.8	315.8	355.1	395.9
-15°	63.4	84.8	109.4	137.4	168.1	201.2	236.7	274.0	312.5	351.4	391.3
-17.5°	63.4	84.5	108.7	136.3	166.5	199.1	234.0	270.6	308.6	347.0	386.2
-20°	63.4	84.2	108.0	135.1	164.7	196.7	230.8	266.8	304.1	342.0	380.5

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	63.4	83.8	107.1	133.7	162.6	193.9	227.3	262.4	298.9	336.2	373.9
-25°	63.4	83.4	106.2	132.1	160.3	190.9	223.4	257.7	293.1	329.8	366.4
-27.5°	63.4	83.0	105.2	130.4	157.8	187.5	219.2	252.5	287.0	322.8	358.0
-30°	63.4	82.5	104.1	128.6	155.1	183.9	214.5	247.0	280.3	315.1	349.4
-32.5°	63.4	81.9	102.9	126.6	152.2	180.0	209.6	240.9	273.1	306.7	340.2
-35°	63.4	81.4	101.6	124.5	149.1	175.9	204.3	234.5	265.5	297.6	330.4
-37.5°	63.4	80.8	100.2	122.2	145.8	171.5	198.8	227.6	257.5	288.1	319.9
-40°	63.4	80.1	98.9	119.9	142.5	167.0	193.0	220.4	249.2	278.2	308.8
-42.5°	63.4	79.5	97.4	117.4	139.0	162.3	186.8	213.0	240.4	268.0	296.6
-45°	63.4	78.8	95.9	114.8	135.3	157.4	180.7	205.3	231.1	257.5	284.2
-47.5°	63.4	78.1	94.3	112.1	131.6	152.3	174.2	197.4	221.6	246.7	271.7
-50°	63.4	77.4	92.6	109.4	127.8	147.1	167.7	189.1	211.8	235.4	259.1
-52.5°	63.4	76.6	90.8	106.7	123.8	141.8	161.0	181.0	201.9	223.7	246.2
-55°	63.4	75.8	89.2	103.9	119.7	136.4	154.2	172.7	191.8	211.9	232.7
-57.5°	63.4	75.0	87.4	101.0	115.6	131.0	147.2	164.3	181.7	200.1	218.8
-60°	63.4	74.2	85.7	98.1	111.4	125.6	140.3	155.8	171.8	188.0	205.2
-62.5°	63.4	73.3	83.9	95.2	107.3	120.1	133.3	147.3	161.6	176.4	191.4
-65°	63.4	72.4	82.0	92.2	103.1	114.5	126.5	138.8	151.7	164.8	178.1
-67.5°	63.4	71.6	80.1	89.2	98.9	109.0	119.6	130.4	141.7	153.3	164.9
-70°	63.4	70.7	78.3	86.3	94.7	103.6	112.7	122.2	131.8	141.8	152.0
-72.5°	63.4	69.8	76.5	83.3	90.5	98.2	106.0	114.1	122.3	130.6	139.1
-75°	63.4	68.9	74.6	80.4	86.5	92.8	99.4	106.2	113.0	119.9	126.8
-77.5°	63.4	68.0	72.7	77.5	82.5	87.6	92.9	98.4	103.9	109.5	115.1
-80°	63.4	67.1	70.8	74.7	78.5	82.5	86.6	90.8	95.1	99.3	103.6
-82.5°	63.4	66.2	69.0	71.8	74.7	77.6	80.5	83.5	86.6	89.6	92.6
-85°	63.4	65.3	67.2	69.0	70.9	72.7	74.7	76.6	78.5	80.3	82.2
-87.5°	63.4	64.4	65.3	66.3	67.2	68.1	69.1	70.0	70.9	71.7	72.6
-90°	63.4	63.4	63.4	63.4	63.4	63.3	63.3	63.3	63.3	63.3	63.0

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	63.6	63.5	63.5	63.4	63.4	63.3	63.3	63.2	62.8	62.4	62.0
87.5°	72.6	73.2	73.8	74.3	74.9	75.4	75.9	76.3	76.7	77.1	77.4
85°	83.1	84.7	86.2	87.7	89.1	90.6	92.0	93.3	94.6	95.7	96.9
82.5°	94.4	97.0	99.5	102.2	104.7	107.2	109.6	111.9	114.2	116.4	118.4
80°	106.3	110.1	114.0	117.8	121.5	125.2	128.7	132.1	135.6	138.9	142.0
77.5°	118.8	124.0	129.2	134.2	139.3	144.3	149.2	153.9	158.5	162.9	167.1
75°	131.9	138.5	145.1	151.7	158.1	164.5	170.7	176.8	182.6	188.5	194.1
72.5°	145.5	153.6	161.7	169.8	177.7	185.5	193.3	200.8	208.1	215.2	222.1
70°	159.5	169.3	178.9	188.5	198.1	207.4	216.6	225.5	234.8	243.6	251.9
67.5°	174.0	185.2	196.6	207.8	218.9	230.0	241.2	252.1	262.6	272.4	281.9
65°	188.6	201.6	214.5	227.3	240.5	253.5	266.1	278.4	290.3	301.5	312.4
62.5°	203.5	218.1	232.8	247.6	262.3	276.8	290.9	304.6	318.2	331.1	343.4
60°	218.4	234.8	251.3	267.8	284.0	300.0	315.9	331.3	346.3	360.7	374.5
57.5°	233.4	251.6	269.7	287.8	305.7	323.5	341.0	357.9	374.5	390.7	405.9
55°	248.4	268.1	287.9	307.7	327.5	346.9	365.8	384.6	402.8	420.5	437.6
52.5°	263.1	284.5	306.0	327.6	349.0	369.9	390.8	411.1	431.0	450.6	469.4
50°	277.6	300.7	324.0	347.2	370.0	393.0	415.4	437.5	459.4	480.4	500.4
47.5°	291.8	316.7	341.6	366.3	391.1	415.5	439.7	463.9	487.4	509.7	531.1
45°	305.9	332.3	358.8	385.3	411.6	437.7	464.1	490.1	514.6	538.4	561.5
42.5°	319.6	347.5	375.5	403.6	431.5	459.8	488.2	515.0	541.2	566.7	591.2
40°	332.8	362.2	391.8	421.3	451.1	481.8	511.0	539.4	567.2	594.2	620.5
37.5°	345.5	376.3	407.5	438.6	470.8	502.5	533.1	563.1	592.3	621.1	649.1
35°	357.5	389.9	422.5	455.2	489.9	522.3	554.3	585.8	616.8	647.3	676.7
32.5°	369.1	402.9	436.9	472.1	507.1	541.0	574.7	607.7	640.4	672.3	703.3
30°	379.9	415.2	450.5	488.1	523.7	559.0	593.8	628.6	662.7	696.2	728.5
27.5°	390.1	426.7	463.8	502.4	538.9	575.8	612.3	648.4	683.9	718.6	752.2
25°	399.8	437.6	476.6	515.5	553.4	591.3	629.3	666.8	703.7	739.7	774.6
22.5°	408.7	447.2	488.4	527.5	566.9	605.9	645.1	683.9	722.0	759.0	795.3
20°	416.7	456.0	498.7	538.2	578.7	619.4	659.6	699.5	738.9	777.0	814.5
17.5°	423.9	464.7	507.8	548.0	589.4	630.8	672.5	713.6	753.7	792.8	831.3
15°	430.3	472.3	515.6	557.2	598.8	641.3	684.0	726.1	766.7	806.9	846.0
12.5°	435.8	478.9	522.1	565.0	607.5	650.8	693.9	737.3	778.1	819.1	858.9
10°	440.3	484.4	527.5	571.0	614.7	658.4	702.2	746.5	787.3	829.5	869.9
7.5°	443.7	488.7	531.7	575.6	620.2	664.4	708.8	753.0	794.5	836.6	878.8
5°	446.2	491.9	534.8	579.0	623.9	668.8	713.6	757.8	799.9	841.2	885.4
2.5°	447.7	493.9	536.7	581.1	626.1	671.6	716.7	760.8	803.3	843.8	889.7
0°	448.2	494.7	537.4	581.9	627.0	672.7	718.0	762.0	804.5	844.5	891.4
-2.5°	448.2	494.4	537.2	581.7	626.8	672.4	717.6	761.5	804.2	844.5	890.4
-5°	447.2	492.8	535.9	580.2	625.2	670.4	715.6	759.3	801.8	842.7	886.9
-7.5°	445.2	490.1	533.3	577.4	622.2	666.8	711.9	755.3	797.4	838.9	881.1
-10°	442.2	486.2	529.6	573.2	617.4	661.5	706.1	749.3	790.7	832.9	872.9
-12.5°	438.2	481.2	524.6	567.6	611.0	654.7	698.2	740.9	781.9	823.6	862.6
-15°	433.3	475.2	518.4	560.4	603.3	646.0	688.8	730.8	771.5	812.6	850.5
-17.5°	427.5	468.5	511.0	552.1	594.3	636.0	678.3	720.5	759.2	799.6	837.4
-20°	420.8	460.9	502.5	542.9	583.8	624.9	666.2	707.6	744.9	783.3	822.1

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	413.3	452.3	492.7	532.6	572.0	612.5	652.4	691.5	729.8	766.8	804.0
-25°	404.7	442.6	481.3	520.6	559.3	598.7	637.1	675.4	714.5	748.1	783.1
-27.5°	394.8	432.6	470.1	507.8	545.7	583.0	620.3	657.6	693.4	729.0	762.6
-30°	384.8	421.8	458.0	494.1	530.6	566.1	603.3	638.3	673.1	707.7	740.0
-32.5°	374.4	409.9	443.9	478.8	513.7	549.4	583.7	617.9	651.4	683.7	716.4
-35°	362.7	396.2	430.6	464.9	497.3	530.8	563.4	596.7	628.2	659.4	689.4
-37.5°	350.8	382.8	416.2	447.0	478.9	510.8	543.0	573.4	604.6	634.0	662.6
-40°	338.5	368.7	399.7	430.6	461.2	490.5	520.6	550.4	579.2	607.6	634.8
-42.5°	325.7	353.9	383.2	413.2	440.6	470.1	497.9	526.2	553.3	580.1	605.9
-45°	312.4	339.1	366.1	393.3	421.3	447.0	474.6	500.7	527.0	551.7	576.1
-47.5°	297.7	323.9	348.7	374.4	399.9	425.4	449.7	475.1	499.0	523.3	545.8
-50°	282.8	307.8	331.4	354.7	378.6	402.3	425.5	447.7	471.2	493.1	514.8
-52.5°	268.2	290.5	313.6	335.2	356.9	378.8	400.4	421.5	441.6	462.5	482.5
-55°	253.5	273.6	294.4	315.5	335.4	355.2	375.0	394.4	413.6	431.2	448.7
-57.5°	238.2	257.0	275.6	294.5	313.6	331.7	349.7	367.3	384.5	401.4	416.8
-60°	222.5	240.0	257.1	274.0	291.0	308.0	324.2	340.3	355.9	370.7	384.5
-62.5°	207.1	222.6	238.4	253.8	268.9	283.9	298.6	313.1	327.0	340.3	352.8
-65°	191.6	205.6	219.3	233.3	247.0	260.2	273.4	286.2	298.5	309.9	320.8
-67.5°	176.7	188.5	200.9	212.9	224.9	236.7	248.3	259.5	270.4	280.4	289.8
-70°	162.1	172.4	182.6	193.0	203.5	213.5	223.4	233.2	242.5	250.9	259.0
-72.5°	147.8	156.5	165.1	173.7	182.3	190.8	199.5	207.7	215.1	222.0	228.6
-75°	133.7	140.9	148.0	155.1	162.2	169.1	175.9	182.6	188.7	194.4	199.7
-77.5°	120.6	126.1	131.6	137.1	142.7	148.1	153.6	158.9	163.6	167.8	171.7
-80°	107.8	112.0	116.2	120.4	124.6	128.6	132.4	136.2	139.6	142.6	145.5
-82.5°	95.6	98.5	101.4	104.3	107.2	110.0	112.7	115.5	117.7	119.7	121.6
-85°	84.1	85.9	87.7	89.5	91.2	92.9	94.5	96.1	97.2	98.2	99.1
-87.5°	73.4	74.2	75.0	75.8	76.6	77.3	78.1	78.8	79.0	79.2	79.4
-90°	62.8	62.5	62.3	62.0	61.8	61.5	61.3	61.0	60.7	60.5	60.2

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	61.6	61.2	60.8	60.4	60.0	59.6	59.2	58.8	58.4	58.0	57.5
87.5°	77.7	78.0	78.3	78.5	78.7	78.8	78.7	78.5	78.2	77.9	77.6
85°	97.9	98.9	99.9	100.7	101.5	102.1	102.3	102.5	102.5	102.4	102.3
82.5°	120.4	122.2	123.9	125.5	127.0	128.3	129.1	129.7	130.2	130.5	130.6
80°	144.9	147.7	150.3	152.7	154.8	156.9	158.4	159.6	160.5	161.2	161.7
77.5°	171.2	175.1	178.6	182.0	185.3	188.3	190.6	192.4	193.9	195.0	195.8
75°	199.4	204.4	209.1	213.5	217.6	221.3	224.3	226.8	228.9	230.6	231.9
72.5°	228.7	235.1	241.0	246.4	251.4	255.8	259.5	262.6	265.3	267.7	269.6
70°	259.6	266.8	273.6	280.0	285.9	291.4	296.2	300.4	304.0	306.9	309.1
67.5°	290.9	299.4	307.6	315.1	322.1	328.4	334.0	338.9	343.1	346.5	349.2
65°	322.9	332.7	342.0	350.6	358.6	365.9	372.3	377.9	382.7	386.8	390.0
62.5°	355.1	366.2	376.7	386.5	395.6	404.0	411.8	418.4	423.9	428.5	432.2
60°	387.7	400.2	412.2	423.4	433.6	442.9	451.3	459.0	465.6	471.1	475.4
57.5°	420.7	434.7	447.9	460.5	472.4	483.4	493.4	501.9	508.6	514.0	518.5
55°	453.9	469.6	484.4	498.5	511.4	522.7	533.1	542.0	549.7	556.2	561.5
52.5°	487.1	504.3	520.1	534.9	548.7	561.7	573.6	583.7	591.7	599.0	605.0
50°	519.6	537.9	555.3	571.8	586.9	601.1	614.2	625.0	634.6	642.9	649.2
47.5°	551.9	571.6	590.5	608.4	624.8	640.4	654.7	666.9	676.0	684.5	691.7
45°	583.5	604.9	625.4	644.8	662.9	678.3	692.9	706.4	718.0	727.3	735.0
42.5°	614.9	638.0	660.0	680.1	699.1	716.9	732.9	747.1	759.4	769.3	777.0
40°	645.9	670.3	693.4	715.3	735.7	754.3	771.4	786.2	799.2	809.9	818.6
37.5°	676.1	701.9	726.3	749.3	771.0	790.7	808.5	824.5	839.7	849.8	858.8
35°	705.2	732.3	757.8	782.4	805.3	826.1	845.3	861.7	877.3	889.9	898.3
32.5°	733.1	761.4	788.7	814.5	838.2	860.0	880.5	898.0	912.9	926.5	937.1
30°	759.5	789.5	818.2	844.5	869.6	893.4	913.7	932.8	949.7	964.6	974.3
27.5°	784.8	816.2	845.6	873.5	900.1	924.3	946.3	966.4	981.9	995.6	1007.5
25°	808.6	840.9	871.7	901.2	928.5	953.3	975.9	995.6	1013.4	1028.7	1039.6
22.5°	830.4	864.1	896.4	926.5	954.5	979.9	1003.6	1024.7	1042.2	1058.1	1071.2
20°	850.6	885.4	918.3	949.5	978.2	1005.0	1029.3	1050.3	1069.4	1085.5	1097.7
17.5°	868.8	904.5	938.4	970.2	1000.0	1027.4	1051.9	1074.0	1093.2	1109.4	1122.0
15°	884.9	921.2	956.1	988.6	1019.1	1047.3	1072.5	1094.8	1114.7	1131.3	1144.2
12.5°	899.0	935.4	971.2	1004.7	1035.9	1064.3	1089.9	1113.2	1133.2	1150.4	1164.4
10°	910.5	947.3	983.8	1017.6	1049.8	1078.7	1105.0	1128.5	1149.0	1166.4	1179.7
7.5°	919.2	956.9	993.8	1027.7	1060.3	1090.3	1116.6	1141.0	1161.3	1178.3	1192.3
5°	925.0	964.0	1001.3	1035.1	1068.4	1099.5	1125.6	1149.5	1170.1	1187.5	1201.8
2.5°	928.4	968.7	1006.1	1040.1	1073.8	1103.9	1132.1	1155.6	1174.8	1192.5	1206.5
0°	929.6	970.7	1008.2	1042.2	1076.2	1105.4	1135.4	1158.9	1176.4	1194.4	1206.7
-2.5°	929.1	969.4	1006.8	1041.0	1074.5	1104.2	1132.6	1156.2	1175.3	1192.5	1206.4
-5°	926.5	965.3	1002.3	1037.0	1069.9	1100.0	1127.0	1151.0	1172.8	1187.5	1202.2
-7.5°	921.6	959.0	994.3	1029.7	1062.7	1092.4	1118.9	1143.2	1163.2	1180.3	1193.8
-10°	913.5	950.9	985.7	1018.8	1052.2	1082.1	1107.6	1131.1	1152.0	1170.2	1184.2
-12.5°	902.0	939.6	975.3	1008.7	1040.8	1068.8	1094.4	1118.8	1137.0	1155.5	1167.9
-15°	889.4	926.0	960.7	991.2	1023.2	1052.7	1078.8	1102.0	1122.7	1135.2	1147.6
-17.5°	874.4	910.2	945.3	977.1	1005.9	1035.2	1059.3	1082.0	1101.4	1116.0	1126.6
-20°	857.4	892.2	926.5	957.9	986.5	1012.5	1039.0	1058.7	1076.4	1090.3	1104.1

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	839.0	872.5	904.4	936.7	965.0	990.9	1012.5	1034.0	1050.2	1063.8	1074.3
-25°	818.7	850.9	882.0	911.8	940.8	966.0	986.8	1005.4	1022.5	1035.6	1045.9
-27.5°	794.8	827.8	857.5	885.6	912.7	937.4	957.5	975.2	992.9	1006.3	1016.1
-30°	771.5	800.7	831.5	858.5	882.7	904.6	926.1	943.5	958.4	970.9	982.3
-32.5°	746.4	774.9	800.9	829.0	851.8	873.1	891.4	909.0	923.8	935.8	945.9
-35°	719.2	747.6	773.5	795.2	818.4	839.1	857.3	873.7	886.9	898.6	908.6
-37.5°	690.1	716.7	742.5	764.6	783.5	802.7	819.8	835.8	849.2	861.1	869.4
-40°	660.7	685.5	708.2	730.4	750.0	767.5	782.6	797.7	808.7	818.9	827.9
-42.5°	630.8	653.1	674.3	694.3	712.9	730.5	745.3	758.6	769.9	779.4	787.0
-45°	599.6	620.3	639.7	658.1	675.7	691.6	705.9	718.8	729.6	738.1	744.9
-47.5°	566.7	586.7	604.7	621.7	637.4	652.0	665.5	677.8	687.6	695.8	702.2
-50°	534.2	551.7	568.8	585.0	599.6	612.8	624.5	635.2	644.4	652.0	658.2
-52.5°	499.7	517.3	533.0	547.3	560.8	573.2	584.3	594.1	602.3	608.8	614.0
-55°	465.9	481.6	495.8	509.6	522.3	533.5	543.5	552.3	559.6	565.7	570.6
-57.5°	431.4	445.2	459.1	471.6	482.7	492.9	502.3	510.5	517.3	522.8	527.0
-60°	397.9	410.7	422.7	433.7	443.4	453.1	462.0	468.5	474.2	479.2	483.3
-62.5°	364.6	375.5	386.0	395.9	405.4	414.1	422.0	427.8	432.2	435.9	438.8
-65°	331.4	341.4	350.8	359.5	367.2	374.2	380.5	385.6	390.1	393.8	396.6
-67.5°	298.7	307.0	315.0	322.7	329.8	336.1	341.6	346.1	349.8	352.8	355.0
-70°	266.7	274.2	281.0	287.3	293.1	298.1	302.3	305.9	309.2	311.8	313.7
-72.5°	235.0	241.3	247.1	252.4	257.2	261.6	265.3	268.3	270.8	272.8	274.2
-75°	204.7	209.4	213.8	217.9	221.6	224.8	227.8	230.5	232.7	234.3	235.5
-77.5°	175.5	179.1	182.5	185.6	188.4	190.8	192.9	194.7	196.2	197.4	198.3
-80°	148.3	151.0	153.4	155.7	157.7	159.3	160.7	161.8	162.8	163.5	163.9
-82.5°	123.3	124.9	126.3	127.6	128.8	129.8	130.6	131.2	131.7	132.1	132.3
-85°	100.0	100.9	101.6	102.3	102.8	103.2	103.5	103.7	103.9	103.9	103.8
-87.5°	79.5	79.6	79.7	79.7	79.7	79.7	79.6	79.5	79.3	79.1	78.8
-90°	60.0	59.7	59.5	59.2	59.0	58.7	58.2	57.8	57.3	56.8	56.4

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	57.1	56.7	56.3	55.9	55.4	54.8	54.3	53.8	53.2	52.7	52.2
87.5°	77.2	76.8	76.3	75.8	75.3	74.8	74.3	73.7	73.1	72.5	71.8
85°	102.0	101.6	101.2	100.6	100.1	99.4	98.7	97.9	96.9	95.9	94.8
82.5°	130.5	130.3	129.9	129.4	128.7	127.9	126.9	125.7	124.3	122.8	121.2
80°	161.9	161.8	161.5	161.0	160.2	159.2	157.9	156.4	154.6	152.6	150.4
77.5°	196.3	196.4	196.2	195.7	194.8	193.6	192.0	190.1	187.9	185.4	182.6
75°	232.7	233.2	233.2	232.7	231.6	230.1	228.2	225.8	223.0	219.9	216.3
72.5°	271.0	271.8	272.1	271.9	270.6	268.8	266.4	263.5	260.0	256.1	251.9
70°	310.8	311.7	312.1	311.8	310.4	308.4	305.7	302.5	298.7	294.3	289.4
67.5°	351.2	352.5	353.0	352.8	351.3	349.1	346.3	342.7	338.4	333.3	327.4
65°	392.3	393.8	394.5	394.3	392.8	390.5	387.3	383.3	378.4	372.8	366.2
62.5°	435.0	436.8	437.7	437.6	435.9	433.2	429.5	424.9	419.4	413.0	405.6
60°	478.7	480.8	481.7	481.5	479.7	476.8	472.7	467.4	461.1	453.8	445.9
57.5°	521.8	524.0	525.0	524.8	523.2	520.3	516.3	511.2	504.7	497.0	488.0
55°	565.5	568.0	569.2	569.0	567.2	564.0	559.4	553.4	546.1	538.0	528.8
52.5°	609.3	612.0	613.3	613.2	611.3	607.9	603.0	596.5	588.6	579.5	569.4
50°	653.8	656.8	658.1	657.9	655.9	652.3	647.2	640.6	632.4	622.4	610.9
47.5°	697.0	700.3	701.9	701.7	699.8	696.3	691.0	683.6	674.1	663.2	651.3
45°	740.7	744.6	746.5	746.5	744.3	740.2	734.4	727.1	717.2	705.2	692.0
42.5°	782.7	787.1	789.5	789.8	787.1	782.3	775.5	767.6	758.1	745.9	732.1
40°	825.5	830.0	832.0	831.8	829.6	825.2	818.6	809.6	798.1	784.5	769.6
37.5°	865.8	870.5	872.8	872.7	869.9	864.6	857.0	848.5	838.1	824.9	808.2
35°	905.5	910.5	912.9	912.9	910.1	904.9	897.4	887.7	876.2	859.8	844.1
32.5°	944.9	949.9	952.1	951.7	948.9	943.4	935.3	924.9	911.7	896.4	879.6
30°	981.6	987.3	990.6	991.2	987.5	981.1	972.1	961.1	948.0	931.6	913.3
27.5°	1016.4	1022.4	1024.6	1024.4	1021.3	1015.5	1006.6	995.4	980.3	963.7	945.8
25°	1049.6	1055.5	1058.6	1058.7	1055.4	1049.0	1039.6	1027.2	1012.4	995.5	975.1
22.5°	1080.6	1085.7	1088.5	1088.5	1085.2	1078.9	1069.6	1057.3	1042.1	1023.5	1003.4
20°	1107.3	1113.6	1117.8	1119.0	1115.2	1107.7	1097.4	1084.7	1068.8	1049.9	1028.4
17.5°	1133.6	1138.8	1142.7	1143.1	1139.4	1132.2	1122.2	1110.2	1093.2	1074.3	1050.7
15°	1154.1	1161.3	1163.3	1163.5	1159.9	1153.3	1142.9	1130.3	1113.9	1094.8	1072.1
12.5°	1173.3	1180.1	1183.8	1184.4	1180.2	1173.6	1163.1	1148.7	1131.9	1111.2	1089.2
10°	1189.8	1195.2	1199.7	1200.7	1195.3	1189.8	1178.3	1164.6	1147.2	1127.3	1101.6
7.5°	1202.6	1209.9	1212.9	1213.1	1207.7	1202.2	1191.5	1177.0	1159.7	1138.0	1112.3
5°	1212.3	1218.8	1223.0	1222.0	1215.9	1212.1	1200.6	1186.5	1167.8	1147.2	1123.1
2.5°	1217.7	1224.3	1227.3	1225.7	1223.2	1215.2	1204.7	1191.0	1174.3	1152.3	1128.2
0°	1219.9	1227.2	1230.7	1228.8	1226.2	1220.1	1208.7	1191.4	1176.1	1153.5	1129.8
-2.5°	1217.9	1225.7	1229.2	1226.0	1222.8	1215.2	1204.8	1189.6	1173.4	1151.3	1127.6
-5°	1213.0	1219.6	1222.2	1222.3	1216.1	1209.7	1198.6	1184.3	1166.5	1145.6	1122.1
-7.5°	1204.4	1209.7	1209.5	1212.9	1209.7	1199.8	1190.2	1175.9	1158.1	1137.2	1113.4
-10°	1192.1	1198.7	1201.1	1201.5	1196.8	1189.5	1178.3	1164.4	1147.0	1126.2	1102.8
-12.5°	1176.4	1182.6	1186.1	1185.4	1181.2	1173.9	1164.1	1149.3	1132.1	1111.9	1088.9
-15°	1158.5	1164.6	1167.9	1168.7	1164.1	1155.3	1144.1	1131.2	1114.6	1094.7	1072.0
-17.5°	1133.3	1140.9	1145.0	1145.4	1141.1	1133.9	1123.3	1112.3	1094.2	1074.5	1051.9
-20°	1110.8	1117.2	1120.3	1119.7	1117.4	1111.1	1100.2	1087.0	1069.9	1050.6	1029.3

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1082.8	1089.6	1094.1	1094.8	1090.3	1082.4	1071.6	1057.9	1042.5	1024.5	1004.8
-25°	1054.3	1060.5	1064.4	1065.4	1060.2	1051.9	1041.2	1027.7	1014.6	997.9	976.9
-27.5°	1023.7	1028.8	1032.0	1032.5	1027.8	1020.5	1011.4	999.5	983.5	966.5	947.8
-30°	990.3	995.3	997.8	997.4	993.1	985.9	976.3	965.3	951.5	933.7	914.5
-32.5°	952.8	957.7	960.3	960.4	956.4	949.7	940.2	927.5	914.1	899.2	881.6
-35°	915.6	920.2	922.6	922.7	918.6	912.0	902.9	891.6	879.0	863.2	846.6
-37.5°	875.4	879.7	881.9	881.7	877.9	871.6	863.1	852.9	840.4	824.7	809.6
-40°	834.2	838.3	840.2	839.8	836.1	830.3	822.4	812.7	801.2	788.0	772.9
-42.5°	792.2	795.2	796.5	796.0	793.0	788.1	781.2	772.0	759.9	746.9	733.3
-45°	749.9	752.9	754.1	753.4	750.4	745.5	739.0	730.7	720.1	707.1	693.7
-47.5°	706.9	710.1	711.5	711.1	707.8	702.9	696.2	688.1	678.4	667.1	654.5
-50°	662.9	665.9	667.2	666.8	663.9	659.3	653.1	645.3	636.3	626.3	614.7
-52.5°	618.0	620.6	621.8	621.5	618.9	614.8	609.1	602.0	593.7	584.1	572.4
-55°	574.2	576.5	577.4	576.9	574.3	570.3	565.0	558.4	550.6	541.6	531.3
-57.5°	530.2	532.2	532.9	532.5	530.0	526.2	521.2	515.0	508.0	499.9	490.6
-60°	486.4	488.3	489.2	488.8	486.4	482.9	478.3	472.6	466.0	458.5	450.1
-62.5°	441.1	442.4	442.7	441.9	440.1	437.2	433.3	428.4	422.7	416.3	408.9
-65°	398.5	399.5	399.5	398.7	397.0	394.4	390.9	386.6	381.4	375.4	368.5
-67.5°	356.4	357.1	357.1	356.3	354.7	352.3	349.2	345.4	340.9	335.5	329.5
-70°	314.9	315.4	315.3	314.5	313.0	310.8	308.0	304.6	300.6	296.1	291.0
-72.5°	275.0	275.3	275.0	274.2	272.8	270.9	268.5	265.6	262.1	258.1	253.5
-75°	236.2	236.4	236.1	235.4	234.0	232.1	229.9	227.2	224.0	220.5	216.6
-77.5°	198.8	198.9	198.7	198.1	196.9	195.3	193.4	191.1	188.5	185.6	182.4
-80°	164.2	164.2	163.9	163.4	162.3	160.9	159.3	157.5	155.4	153.1	150.5
-82.5°	132.3	132.1	131.7	131.2	130.3	129.1	127.8	126.4	124.8	123.0	121.1
-85°	103.6	103.3	102.9	102.4	101.6	100.7	99.6	98.5	97.3	96.0	94.7
-87.5°	78.5	78.1	77.7	77.3	76.6	75.9	75.2	74.4	73.5	72.7	71.8
-90°	55.9	55.4	55.0	54.5	54.2	53.8	53.5	53.1	52.8	52.4	52.1

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	51.6	51.1	50.8	50.5	50.2	49.9	49.7	49.4	49.1	48.8	48.5
87.5°	71.1	70.3	69.5	68.6	67.8	66.8	65.9	65.0	64.0	63.0	62.1
85°	93.6	92.3	90.9	89.5	88.0	86.4	84.8	83.1	81.4	79.5	77.6
82.5°	119.4	117.4	115.3	113.1	110.8	108.3	105.7	103.1	100.5	97.7	94.9
80°	147.9	145.2	142.2	139.3	136.1	132.8	129.3	125.6	121.8	117.8	113.8
77.5°	179.5	176.0	172.2	168.1	163.8	159.3	154.6	149.8	144.8	139.6	134.5
75°	212.4	208.2	203.5	198.4	193.0	187.6	181.9	175.9	169.4	162.7	156.3
72.5°	247.3	242.2	236.7	230.7	224.2	217.4	210.3	202.9	195.1	187.2	179.6
70°	283.8	277.7	271.3	264.2	256.6	248.7	240.5	231.7	222.3	212.8	203.6
67.5°	320.8	313.7	306.2	298.2	289.9	280.9	271.5	261.5	250.9	240.0	228.9
65°	358.8	350.8	342.7	333.8	323.7	313.0	302.5	291.3	279.4	267.5	255.0
62.5°	397.4	389.0	379.7	369.3	358.1	346.3	334.5	321.4	307.8	294.8	280.6
60°	437.2	427.3	416.6	405.4	393.5	380.7	366.5	352.0	337.4	322.1	306.4
57.5°	477.6	466.3	454.3	441.9	428.4	414.1	399.5	384.0	366.9	349.8	332.9
55°	518.5	507.0	493.5	479.0	463.9	448.4	431.5	414.4	397.2	378.6	358.8
52.5°	557.8	544.6	530.7	515.8	500.1	482.0	464.0	445.9	425.7	406.1	385.8
50°	597.8	583.6	568.3	552.0	534.5	515.5	496.8	475.5	455.3	433.4	411.3
47.5°	637.8	622.8	606.1	587.7	568.9	549.2	528.1	506.4	483.7	460.3	436.9
45°	676.8	660.2	642.3	623.9	603.6	581.3	559.2	536.7	511.9	487.7	461.3
42.5°	716.7	698.0	678.9	658.6	636.2	614.2	589.7	565.4	540.4	513.3	487.0
40°	754.1	735.0	715.3	692.4	669.5	644.4	620.1	594.1	567.1	539.5	510.5
37.5°	789.9	769.9	750.0	726.1	701.2	675.3	649.1	621.6	593.3	564.0	534.2
35°	826.4	804.6	782.4	758.1	732.4	705.3	677.1	648.1	618.3	587.7	556.1
32.5°	858.7	838.4	814.4	788.6	761.6	733.8	704.2	673.8	642.3	610.0	577.5
30°	892.2	869.6	843.5	818.5	789.7	760.4	729.6	697.7	665.0	631.8	597.1
27.5°	923.9	899.3	873.6	844.9	817.2	785.3	753.9	720.2	686.2	650.9	615.8
25°	952.9	927.8	901.1	872.6	842.0	810.0	774.4	741.6	706.5	670.7	634.2
22.5°	980.1	954.1	926.5	896.7	865.4	833.4	797.8	761.1	723.8	687.0	648.7
20°	1005.4	978.6	949.8	919.3	886.9	852.7	816.9	776.7	740.7	703.1	664.4
17.5°	1026.6	1001.2	970.5	939.4	905.8	871.0	835.2	796.6	757.0	716.9	677.9
15°	1047.0	1017.7	989.5	955.6	921.9	886.7	849.9	810.0	768.2	729.5	688.7
12.5°	1062.6	1035.4	1006.1	971.1	936.7	900.1	862.2	823.1	780.9	740.4	698.5
10°	1076.4	1048.9	1015.9	984.6	948.4	912.1	873.4	833.2	792.6	749.8	706.6
7.5°	1087.6	1058.2	1027.9	995.2	957.9	920.6	881.3	841.0	799.7	757.0	713.2
5°	1095.8	1065.2	1036.3	1002.0	965.0	926.7	886.8	846.5	804.7	761.6	718.2
2.5°	1100.6	1069.7	1041.1	1005.5	969.2	930.3	890.0	849.6	807.7	764.4	721.2
0°	1102.8	1070.8	1042.3	1006.6	970.5	931.3	890.8	850.5	808.6	765.4	722.3
-2.5°	1101.1	1069.6	1040.3	1004.9	968.8	930.0	889.7	849.3	807.5	764.5	721.2
-5°	1096.1	1065.2	1035.3	1000.2	964.4	926.2	886.1	845.6	804.3	761.6	718.1
-7.5°	1087.2	1057.8	1027.5	992.7	957.4	919.8	880.0	839.7	798.9	756.6	713.0
-10°	1076.0	1046.7	1016.0	982.4	947.4	910.8	871.6	831.4	791.4	749.4	706.1
-12.5°	1062.7	1034.1	1002.9	969.1	934.9	898.5	860.7	821.1	781.3	740.2	698.0
-15°	1046.2	1018.4	987.7	955.2	920.7	884.3	847.4	808.9	769.5	729.3	688.1
-17.5°	1027.3	1000.0	969.9	938.2	904.4	868.9	832.1	794.4	756.0	716.5	676.5
-20°	1005.7	978.7	949.6	918.8	885.8	851.5	815.5	778.4	740.3	702.1	662.9

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	981.1	954.7	927.3	897.3	865.3	831.8	796.9	760.9	723.9	686.0	647.8
-25°	954.1	929.4	902.4	873.1	842.5	810.1	776.6	741.5	705.9	668.8	631.8
-27.5°	925.0	901.6	875.1	847.5	817.8	786.7	754.2	720.7	686.0	650.4	614.5
-30°	894.2	871.7	846.5	819.8	791.4	761.5	730.5	698.1	664.6	630.8	596.1
-32.5°	861.8	840.0	815.8	790.5	763.3	734.9	705.0	673.9	642.3	609.7	576.3
-35°	827.2	806.5	784.5	759.7	734.0	706.7	678.2	648.9	618.5	587.3	555.5
-37.5°	792.4	772.7	750.3	727.8	703.1	677.3	650.5	622.5	593.7	564.1	533.7
-40°	754.3	736.5	716.6	694.4	671.4	647.1	621.6	595.3	568.0	539.7	510.7
-42.5°	717.9	699.7	681.0	660.7	639.0	616.0	592.0	567.1	541.2	514.3	487.4
-45°	679.2	663.0	645.3	626.0	605.9	584.1	561.5	538.0	513.5	488.8	462.4
-47.5°	640.4	625.4	609.0	590.6	571.5	551.2	530.1	508.2	485.9	461.3	436.6
-50°	601.0	586.7	571.0	554.1	536.6	517.8	498.5	478.1	455.4	433.2	411.0
-52.5°	559.9	547.2	533.1	517.7	501.5	484.7	465.4	445.2	425.6	405.7	385.2
-55°	519.9	507.8	495.3	481.3	465.7	449.1	432.2	414.3	396.3	377.9	358.9
-57.5°	480.2	469.2	457.1	444.1	430.0	414.9	399.6	383.5	366.7	350.0	332.9
-60°	441.1	430.2	418.7	407.1	394.6	381.2	367.1	352.5	337.6	322.3	306.6
-62.5°	400.6	391.4	381.4	370.7	359.3	347.3	335.1	322.0	308.3	294.5	280.5
-65°	360.9	352.6	344.3	335.1	324.9	314.1	302.9	291.4	279.5	267.0	254.5
-67.5°	322.7	315.3	307.5	299.2	290.7	281.5	271.6	261.4	250.8	239.9	228.8
-70°	285.1	278.7	271.9	264.9	257.4	249.3	240.7	231.8	222.7	213.4	203.9
-72.5°	248.3	242.8	237.0	230.8	224.2	217.5	210.5	203.2	195.5	187.6	179.6
-75°	212.2	207.7	203.2	198.2	193.0	187.5	181.7	175.7	169.4	162.9	156.4
-77.5°	179.0	175.3	171.6	167.6	163.4	159.1	154.4	149.7	144.7	139.6	134.4
-80°	147.7	144.8	142.0	139.0	135.8	132.4	128.9	125.3	121.6	117.7	113.7
-82.5°	119.1	116.9	114.9	112.7	110.4	108.0	105.5	102.9	100.3	97.6	94.8
-85°	93.2	91.7	90.4	89.0	87.6	86.0	84.4	82.7	81.0	79.3	77.5
-87.5°	70.8	69.8	69.1	68.3	67.5	66.6	65.7	64.8	63.9	63.0	62.0
-90°	51.7	51.4	51.1	50.7	50.4	50.0	49.7	49.3	49.0	48.6	48.3

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	48.2	48.0	47.7	47.5	47.2	47.0	46.7	46.5	46.2	46.3	46.3
87.5°	61.3	60.5	59.7	58.9	58.0	57.1	56.2	55.3	54.4	53.6	52.7
85°	75.9	74.2	72.4	70.7	69.0	67.3	65.5	63.8	62.0	60.3	58.5
82.5°	92.3	89.7	87.0	84.2	81.4	78.5	75.7	72.8	69.9	67.3	64.6
80°	110.0	106.2	102.2	98.4	94.5	90.5	86.6	82.6	78.6	74.7	70.8
77.5°	129.5	124.3	119.0	113.7	108.4	103.1	97.9	92.8	87.7	82.6	77.6
75°	149.9	143.4	136.8	130.2	123.4	116.7	109.9	103.4	97.0	90.7	84.6
72.5°	171.7	163.4	155.3	147.2	139.1	130.9	122.7	114.6	106.7	99.0	91.7
70°	194.1	184.6	175.1	165.1	155.2	145.5	135.9	126.4	116.9	107.7	98.8
67.5°	217.5	206.4	195.0	183.6	172.3	160.6	149.3	138.3	127.4	116.8	106.4
65°	242.2	229.0	215.7	202.6	189.4	176.4	163.3	150.4	138.1	126.0	114.1
62.5°	266.7	252.1	237.1	222.1	207.1	192.2	177.6	162.9	148.8	135.2	121.9
60°	291.0	274.7	258.5	241.8	225.1	208.4	191.8	175.7	159.7	144.5	129.8
57.5°	315.1	297.6	279.4	261.5	243.0	224.6	206.4	188.4	170.9	153.9	137.6
55°	339.8	320.3	300.6	280.7	260.9	240.8	220.9	201.1	182.0	163.3	145.3
52.5°	364.2	343.0	321.5	299.9	278.2	256.8	235.1	214.0	193.0	172.8	153.2
50°	388.9	365.4	342.4	318.9	295.6	272.3	249.3	226.4	203.9	182.0	160.8
47.5°	412.5	387.9	362.5	337.8	312.7	287.7	263.3	238.8	214.8	191.2	168.6
45°	435.9	409.5	382.9	355.8	329.3	303.0	276.8	251.0	225.2	200.1	176.0
42.5°	458.2	430.5	402.5	373.7	345.7	317.6	290.1	262.9	235.4	208.9	183.3
40°	481.4	450.9	421.1	391.3	361.1	332.1	303.1	274.2	245.4	217.4	190.3
37.5°	503.6	471.1	439.6	408.1	376.6	346.0	315.4	285.2	255.3	225.4	197.0
35°	523.9	491.9	456.3	423.9	391.7	359.0	327.1	295.7	264.7	233.2	203.5
32.5°	543.7	509.4	474.4	439.8	405.8	371.7	338.5	305.9	273.3	240.7	209.7
30°	562.5	526.9	491.9	453.8	419.0	384.0	349.1	315.1	281.5	248.0	215.5
27.5°	580.4	543.3	506.5	468.3	431.7	395.4	359.0	323.6	289.1	255.0	221.0
25°	596.0	558.7	520.4	482.1	443.5	405.6	368.4	331.8	296.4	261.4	226.0
22.5°	611.2	572.9	533.5	494.7	453.5	415.2	377.1	339.3	303.1	267.0	230.6
20°	625.3	585.7	545.3	504.8	463.3	424.0	385.2	346.1	309.1	272.0	234.9
17.5°	637.4	596.7	555.6	514.1	472.5	432.2	392.2	352.2	314.1	276.6	238.7
15°	647.1	606.8	564.6	522.7	480.5	439.4	398.1	357.6	318.6	280.5	242.0
12.5°	656.5	615.6	572.5	529.9	487.2	445.1	403.0	362.2	322.3	283.9	244.9
10°	665.0	622.3	579.0	535.9	492.7	449.5	407.0	366.0	325.5	286.7	247.4
7.5°	671.4	627.3	584.0	540.6	496.7	452.9	410.4	369.0	328.0	288.8	249.4
5°	675.3	630.6	587.7	543.9	499.5	455.3	412.9	371.2	329.8	290.4	250.8
2.5°	677.5	632.4	589.9	545.9	501.2	456.7	414.3	372.5	330.8	291.3	251.6
0°	678.1	632.7	590.6	546.5	501.7	457.2	414.8	372.9	331.2	291.6	251.9
-2.5°	677.3	632.1	589.7	545.7	501.0	456.8	414.3	372.5	330.8	291.3	251.6
-5°	674.8	630.1	587.3	543.6	499.2	455.4	412.9	371.2	329.7	290.3	250.7
-7.5°	670.7	626.6	583.4	540.1	496.2	453.0	410.4	369.1	327.9	288.7	249.3
-10°	664.2	621.6	578.1	535.3	492.0	449.6	407.0	366.1	325.4	286.5	247.3
-12.5°	655.9	614.8	571.4	529.2	486.5	445.1	402.9	362.3	322.3	283.7	244.7
-15°	646.4	606.1	563.5	521.9	479.9	439.4	398.0	357.7	318.5	280.3	241.7
-17.5°	635.7	595.8	554.5	513.3	472.2	432.3	392.2	352.2	314.0	276.3	238.3
-20°	623.7	583.8	544.1	503.7	463.5	424.1	385.2	346.0	308.9	271.7	234.3

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	609.9	570.9	532.1	492.9	453.9	415.2	377.2	339.0	302.8	266.6	229.9
-25°	594.5	556.9	519.0	481.1	443.7	405.5	368.5	331.6	296.1	260.9	225.1
-27.5°	577.8	541.5	504.8	468.2	431.8	395.4	359.1	323.5	288.8	254.4	220.0
-30°	560.8	525.1	489.7	454.4	419.0	384.1	348.9	314.9	281.1	247.4	214.5
-32.5°	542.5	508.1	473.8	439.9	405.6	371.9	338.1	305.5	272.8	239.9	208.7
-35°	523.0	490.2	457.1	424.1	391.7	359.1	326.8	295.3	264.0	232.0	202.5
-37.5°	502.6	471.5	439.6	407.9	376.8	345.6	315.1	284.6	254.5	224.0	195.9
-40°	481.7	451.3	421.2	391.2	361.2	331.7	302.6	273.5	244.5	215.8	189.1
-42.5°	459.0	430.5	402.2	373.9	345.3	317.3	289.5	262.0	233.9	207.4	182.0
-45°	435.7	409.3	382.7	355.8	329.0	302.3	276.0	249.9	223.3	198.6	174.7
-47.5°	412.2	387.6	362.6	337.4	312.3	286.9	262.2	237.2	212.8	189.6	167.2
-50°	388.5	365.4	342.0	318.7	295.0	271.4	248.0	224.2	202.1	180.4	159.6
-52.5°	364.1	342.8	321.3	299.5	277.5	255.5	232.9	211.7	191.1	171.1	151.9
-55°	339.7	320.2	300.2	280.1	259.7	239.1	218.4	198.9	180.0	161.7	144.0
-57.5°	315.2	297.2	279.0	260.4	241.7	222.5	204.1	186.1	169.0	152.3	136.1
-60°	290.6	274.3	257.6	240.6	223.3	206.5	189.7	173.4	157.9	142.9	128.2
-62.5°	266.0	251.3	236.0	220.8	205.6	190.4	175.5	160.8	147.0	133.4	120.3
-65°	241.5	228.2	215.0	201.5	188.0	174.7	161.4	148.4	136.1	124.1	112.6
-67.5°	217.5	206.0	194.3	182.5	170.8	159.1	147.6	136.2	125.4	115.0	104.9
-70°	194.1	184.1	174.1	164.1	154.0	144.0	134.0	124.2	114.9	106.0	97.4
-72.5°	171.4	163.0	154.7	146.2	137.8	129.3	120.9	112.6	104.7	97.3	90.1
-75°	149.7	142.9	136.0	129.1	122.0	115.2	108.2	101.5	95.0	88.9	83.0
-77.5°	129.1	123.6	118.2	112.7	107.2	101.7	96.3	90.9	85.6	80.9	76.2
-80°	109.8	105.7	101.5	97.4	93.2	89.0	84.9	80.7	76.7	73.2	69.6
-82.5°	91.9	89.0	86.1	83.1	80.1	77.2	74.2	71.3	68.4	65.9	63.3
-85°	75.7	73.8	71.9	70.1	68.2	66.3	64.3	62.3	60.4	58.9	57.4
-87.5°	61.1	60.1	59.2	58.2	57.2	56.1	55.1	54.0	53.0	52.3	51.7
-90°	48.2	48.1	48.0	47.9	47.8	47.7	47.6	47.5	47.4	47.3	47.2

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	46.4	46.4	46.5	46.5	46.6	46.6	46.7
87.5°	51.9	51.0	50.2	49.3	48.4	47.6	46.7
85°	56.8	55.0	53.3	51.7	50.0	48.4	46.7
82.5°	61.9	59.3	56.7	54.1	51.6	49.2	46.7
80°	67.2	63.6	60.0	56.6	53.2	49.9	46.7
77.5°	72.7	68.0	63.5	59.1	54.8	50.7	46.7
75°	78.5	72.5	67.0	61.6	56.4	51.5	46.7
72.5°	84.4	77.4	70.4	64.1	58.1	52.3	46.7
70°	90.4	82.2	74.2	66.7	59.7	53.0	46.7
67.5°	96.5	87.1	77.9	69.2	61.3	53.8	46.7
65°	102.7	91.9	81.7	71.8	62.9	54.5	46.7
62.5°	109.0	96.8	85.4	74.5	64.5	55.3	46.7
60°	115.5	101.8	89.1	77.2	66.1	56.0	46.7
57.5°	121.8	106.8	92.8	79.7	67.6	56.7	46.7
55°	128.3	111.8	96.4	82.4	69.1	57.5	46.7
52.5°	134.6	116.8	100.0	84.9	70.6	58.1	46.7
50°	140.8	121.7	103.7	87.3	72.1	58.8	46.7
47.5°	146.9	126.5	107.3	89.7	73.6	59.4	46.7
45°	152.9	131.2	110.8	92.0	75.1	60.1	46.7
42.5°	158.7	135.8	114.2	94.3	76.5	60.6	46.7
40°	164.5	140.2	117.5	96.4	77.8	61.2	46.7
37.5°	170.0	144.4	120.6	98.4	79.0	61.7	46.7
35°	175.2	148.5	123.6	100.5	80.3	62.2	46.7
32.5°	180.2	152.3	126.4	102.5	81.4	62.7	46.7
30°	184.9	155.9	129.1	104.4	82.5	63.2	46.7
27.5°	189.3	159.3	131.6	106.1	83.5	63.6	46.7
25°	193.4	162.5	133.9	107.7	84.4	64.0	46.7
22.5°	197.1	165.5	136.1	109.1	85.2	64.4	46.7
20°	200.4	168.1	138.0	110.5	86.0	64.7	46.7
17.5°	203.5	170.4	139.7	111.6	86.7	65.0	46.7
15°	206.1	172.5	141.3	112.7	87.2	65.2	46.7
12.5°	208.3	174.2	142.5	113.5	87.7	65.4	46.7
10°	210.1	175.6	143.6	114.2	88.1	65.6	46.7
7.5°	211.5	176.8	144.4	114.8	88.4	65.7	46.7
5°	212.5	177.5	145.0	115.2	88.6	65.8	46.7
2.5°	213.1	178.0	145.3	115.4	88.8	65.9	46.7
0°	213.2	178.1	145.4	115.5	88.8	65.9	46.7
-2.5°	213.0	177.9	145.3	115.4	88.7	65.9	46.7
-5°	212.4	177.4	144.9	115.1	88.6	65.8	46.7
-7.5°	211.3	176.6	144.3	114.7	88.4	65.7	46.7
-10°	209.8	175.4	143.4	114.1	88.0	65.6	46.7
-12.5°	208.0	173.9	142.3	113.4	87.6	65.4	46.7
-15°	205.7	172.1	141.0	112.5	87.1	65.2	46.7
-17.5°	203.0	170.0	139.5	111.4	86.5	64.9	46.7
-20°	199.9	167.7	137.7	110.2	85.8	64.6	46.7

REPORT NUMBER: P1209903 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	196.5	165.0	135.7	108.9	85.1	64.3	46.7
-25°	192.7	162.0	133.5	107.4	84.2	63.9	46.7
-27.5°	188.5	158.8	131.1	105.8	83.3	63.5	46.7
-30°	184.1	155.3	128.6	104.0	82.3	63.1	46.7
-32.5°	179.4	151.7	125.9	102.1	81.2	62.6	46.7
-35°	174.3	147.8	123.0	100.1	80.0	62.1	46.7
-37.5°	169.0	143.7	120.0	98.0	78.8	61.6	46.7
-40°	163.5	139.4	116.8	96.0	77.5	61.1	46.7
-42.5°	157.7	134.9	113.6	93.8	76.2	60.5	46.7
-45°	151.9	130.3	110.1	91.6	74.8	59.9	46.7
-47.5°	145.9	125.6	106.6	89.2	73.4	59.3	46.7
-50°	139.7	120.7	103.0	86.8	71.9	58.7	46.7
-52.5°	133.3	115.9	99.3	84.3	70.3	58.0	46.7
-55°	127.0	110.9	95.7	81.8	68.8	57.3	46.7
-57.5°	120.6	105.9	92.0	79.2	67.3	56.6	46.7
-60°	114.2	100.8	88.3	76.6	65.8	55.9	46.7
-62.5°	107.8	95.8	84.6	74.0	64.2	55.1	46.7
-65°	101.4	90.9	80.9	71.3	62.6	54.4	46.7
-67.5°	95.2	86.0	77.1	68.7	61.0	53.6	46.7
-70°	89.1	81.1	73.5	66.2	59.4	52.9	46.7
-72.5°	83.1	76.3	69.7	63.6	57.8	52.1	46.7
-75°	77.3	71.6	66.3	61.1	56.1	51.4	46.7
-77.5°	71.6	67.1	62.8	58.6	54.5	50.6	46.7
-80°	66.1	62.7	59.4	56.1	52.9	49.8	46.7
-82.5°	60.8	58.4	56.0	53.6	51.3	49.0	46.7
-85°	55.8	54.2	52.7	51.2	49.7	48.2	46.7
-87.5°	51.0	50.3	49.6	48.9	48.2	47.4	46.7
-90°	47.2	47.1	47.0	46.9	46.9	46.8	46.7

(END OF REPORT)