

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: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-HI-6500K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209907 (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-6500K
Description: BULK HEAD 3500LM SEL 5CCT UNV D2D BRONZE at 6500K CCT

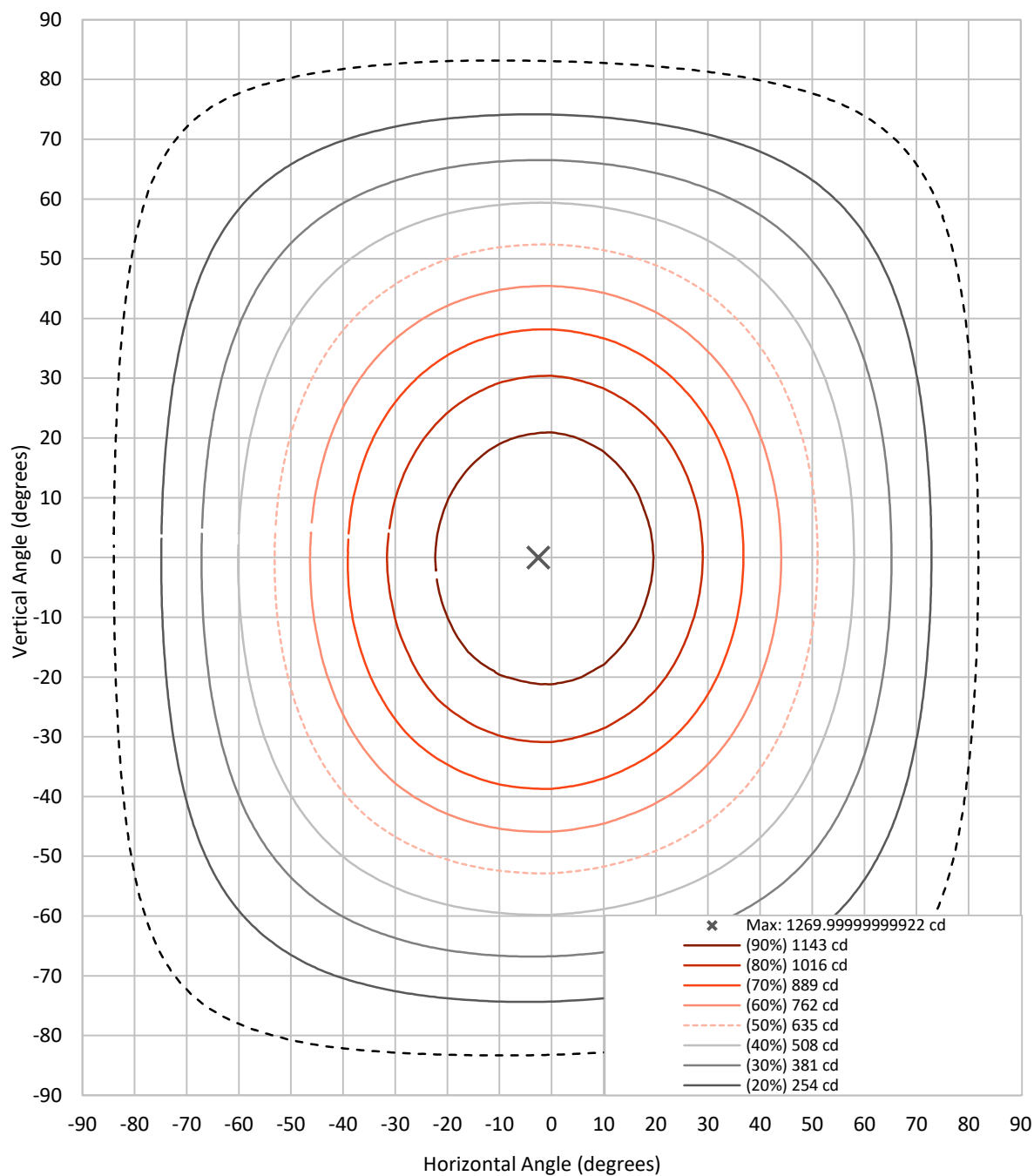
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	3440.3 lumens	Max Intensity:	1270 candela
Efficiency:	164.8%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	111.0 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:	2274.6 lumens	Field Lumens:	3370.9 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		

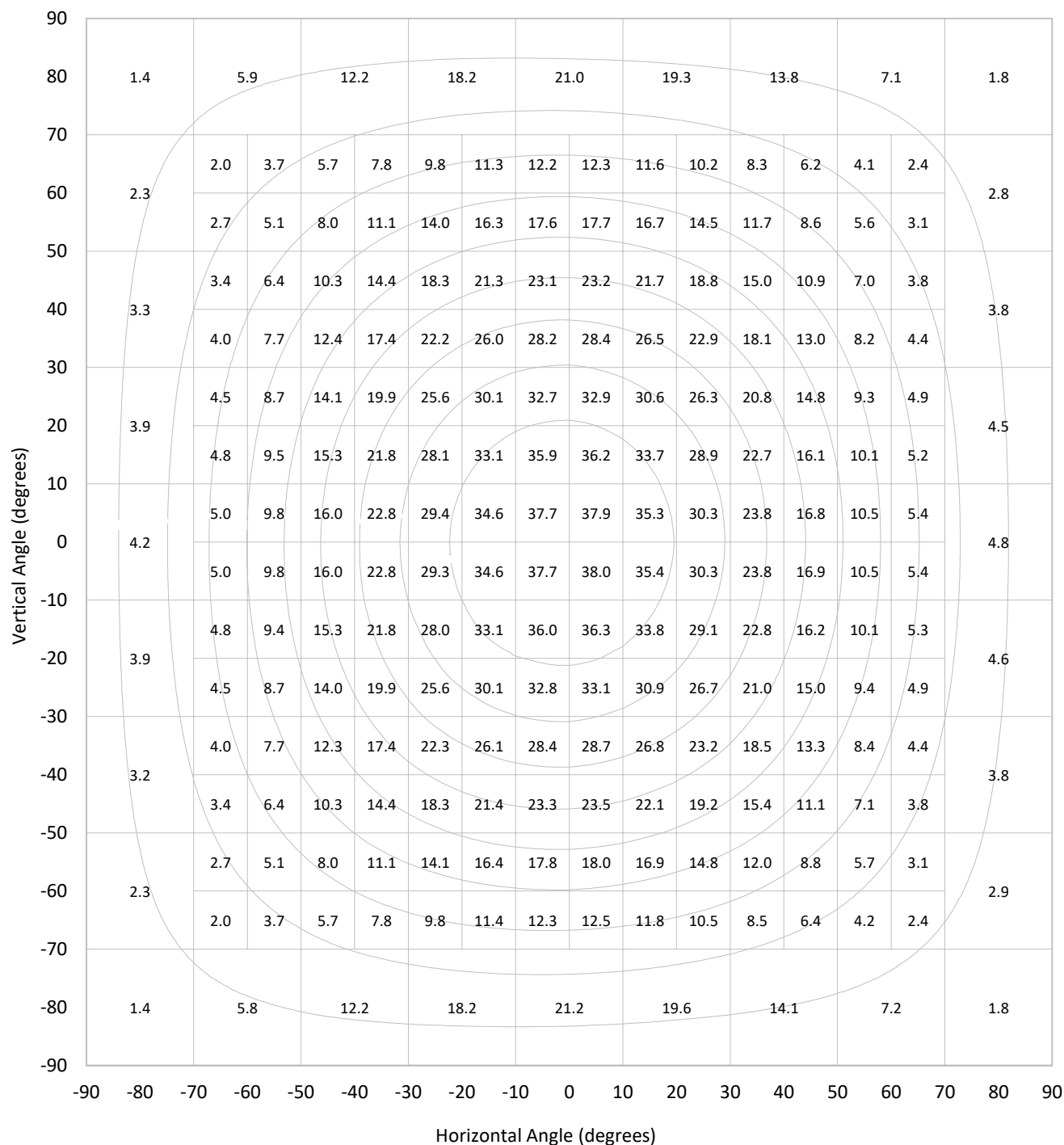
REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

Iso-Candela Plot



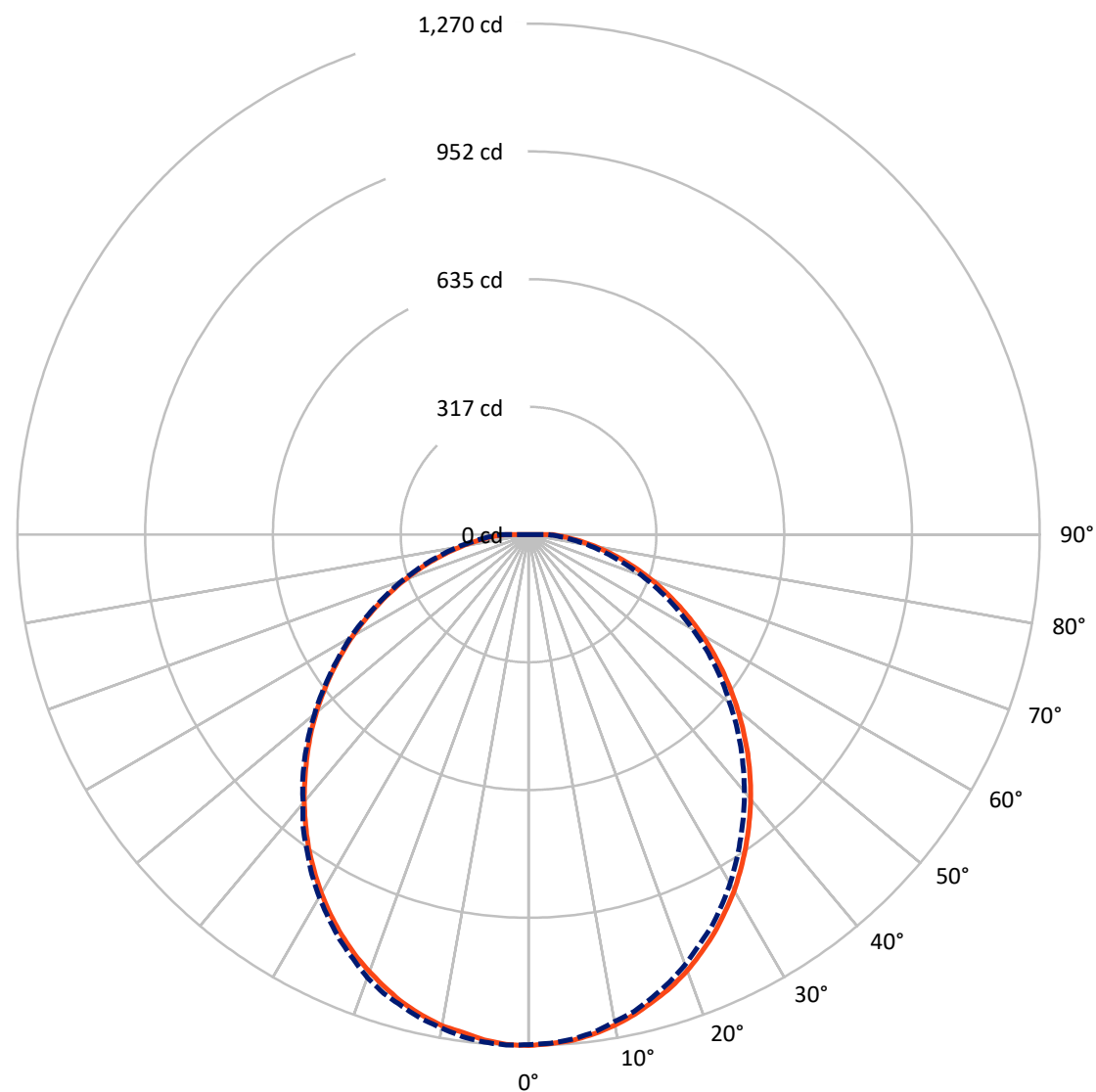
REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)
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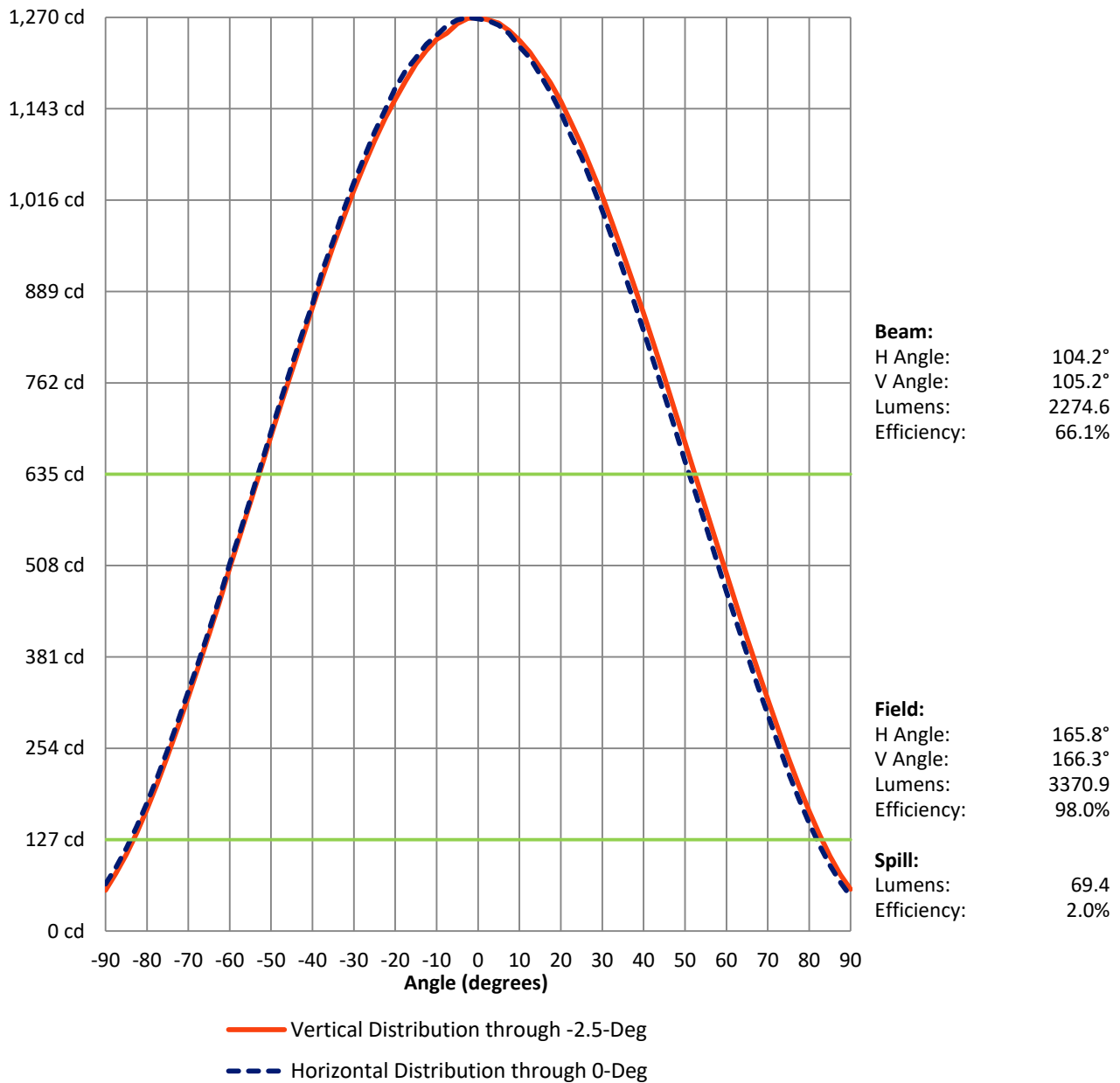
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

Luminous Intensity Plot



REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.6
87.5°	65.4	66.3	67.3	68.2	69.2	70.1	71.0	71.9	72.8	73.6	74.3
85°	65.4	67.3	69.2	71.1	72.9	74.8	76.8	78.7	80.6	82.5	84.1
82.5°	65.4	68.3	71.1	73.9	76.9	79.8	82.8	85.8	88.8	91.8	94.5
80°	65.4	69.2	73.0	76.9	80.9	84.9	89.0	93.1	97.3	101.5	105.6
77.5°	65.4	70.1	74.9	79.9	84.9	90.1	95.3	100.8	106.3	111.9	117.3
75°	65.4	71.1	76.9	82.8	89.0	95.4	101.9	108.7	115.6	122.6	129.4
72.5°	65.4	72.0	78.8	85.9	93.1	100.8	108.7	116.9	125.1	133.5	141.8
70°	65.4	72.9	80.7	88.9	97.4	106.3	115.6	125.2	134.9	144.8	154.7
67.5°	65.4	73.8	82.6	91.8	101.6	111.9	122.7	133.6	144.8	156.3	168.0
65°	65.4	74.7	84.5	94.9	105.9	117.6	129.7	142.1	154.9	168.1	181.4
62.5°	65.4	75.6	86.4	97.9	110.3	123.3	136.8	150.7	165.2	180.0	194.9
60°	65.4	76.5	88.3	100.9	114.5	129.0	143.9	159.4	175.5	191.8	208.6
57.5°	65.4	77.4	90.1	103.9	118.9	134.6	150.9	168.1	185.8	203.9	222.3
55°	65.4	78.2	91.9	106.9	123.1	140.1	158.0	176.7	196.0	215.8	235.9
52.5°	65.4	79.0	93.6	109.8	127.3	145.6	165.0	185.3	206.1	227.6	249.4
50°	65.4	79.8	95.4	112.6	131.4	150.9	172.0	193.7	216.2	239.2	262.7
47.5°	65.4	80.6	97.1	115.4	135.4	156.4	178.7	202.0	226.1	250.7	275.8
45°	65.4	81.3	98.8	118.2	139.2	161.6	185.3	210.1	235.6	261.9	288.6
42.5°	65.4	82.0	100.4	120.9	143.0	166.7	191.7	217.9	245.0	272.8	301.0
40°	65.4	82.7	101.9	123.4	146.6	171.6	198.0	225.5	254.1	283.5	313.1
37.5°	65.4	83.3	103.3	125.9	150.0	176.2	203.9	232.8	262.8	293.5	324.9
35°	65.4	83.9	104.7	128.2	153.4	180.8	209.6	239.8	271.1	303.2	336.0
32.5°	65.4	84.5	106.1	130.4	156.6	185.1	215.1	246.5	279.2	312.4	346.6
30°	65.4	85.1	107.3	132.5	159.6	189.1	220.2	252.8	286.7	321.3	356.4
27.5°	65.4	85.6	108.5	134.4	162.4	192.9	225.0	258.7	293.6	329.6	365.6
25°	65.4	86.1	109.5	136.1	165.0	196.4	229.4	264.1	300.0	337.2	374.3
22.5°	65.4	86.5	110.5	137.7	167.4	199.5	233.4	269.1	306.1	344.1	382.3
20°	65.4	86.9	111.4	139.2	169.6	202.4	237.1	273.8	311.5	350.3	389.5
17.5°	65.4	87.2	112.1	140.5	171.5	205.0	240.5	278.0	316.4	355.9	395.8
15°	65.4	87.5	112.8	141.7	173.2	207.2	243.4	281.6	320.7	360.7	401.4
12.5°	65.4	87.8	113.4	142.7	174.6	209.2	245.9	284.7	324.4	364.8	406.4
10°	65.4	88.0	113.9	143.5	175.8	210.8	248.0	287.2	327.5	368.3	410.5
7.5°	65.4	88.1	114.2	144.1	176.7	212.1	249.6	289.2	329.9	371.0	413.7
5°	65.4	88.3	114.5	144.5	177.4	213.0	250.7	290.6	331.7	373.0	416.1
2.5°	65.4	88.3	114.6	144.8	177.8	213.6	251.4	291.5	332.8	374.3	417.6
0°	65.4	88.3	114.7	144.9	177.9	213.7	251.7	291.8	333.2	374.7	418.1
-2.5°	65.4	88.3	114.7	144.8	177.8	213.6	251.6	291.7	333.1	374.6	418.0
-5°	65.4	88.3	114.5	144.6	177.5	213.2	251.0	291.0	332.3	373.7	417.1
-7.5°	65.4	88.1	114.3	144.2	176.8	212.3	250.0	289.8	330.8	372.0	415.2
-10°	65.4	88.0	113.9	143.5	176.0	211.1	248.5	288.0	328.7	369.5	412.3
-12.5°	65.4	87.8	113.4	142.8	174.8	209.6	246.6	285.7	325.9	366.3	408.5
-15°	65.4	87.5	112.9	141.8	173.5	207.7	244.3	282.8	322.5	362.6	403.8
-17.5°	65.4	87.2	112.2	140.7	171.8	205.5	241.4	279.3	318.5	358.1	398.6
-20°	65.4	86.9	111.5	139.4	169.9	203.0	238.2	275.3	313.8	352.8	392.6

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	65.4	86.5	110.6	137.9	167.8	200.2	234.6	270.7	308.5	346.9	385.9
-25°	65.4	86.1	109.6	136.3	165.4	197.0	230.6	265.9	302.5	340.4	378.0
-27.5°	65.4	85.6	108.6	134.6	162.9	193.5	226.2	260.6	296.2	333.1	369.4
-30°	65.4	85.1	107.4	132.7	160.1	189.8	221.4	254.9	289.3	325.2	360.5
-32.5°	65.4	84.6	106.2	130.6	157.1	185.8	216.4	248.6	281.9	316.6	351.0
-35°	65.4	84.0	104.9	128.4	153.9	181.5	210.9	241.9	273.9	307.1	340.9
-37.5°	65.4	83.4	103.5	126.1	150.5	177.0	205.2	234.9	265.7	297.3	330.1
-40°	65.4	82.7	102.0	123.7	147.1	172.4	199.2	227.5	257.1	287.1	318.7
-42.5°	65.4	82.1	100.5	121.1	143.5	167.5	192.8	219.8	248.0	276.5	306.1
-45°	65.4	81.4	98.9	118.5	139.7	162.4	186.5	211.9	238.5	265.7	293.3
-47.5°	65.4	80.6	97.3	115.7	135.8	157.2	179.8	203.7	228.7	254.6	280.4
-50°	65.4	79.9	95.5	112.9	131.8	151.7	173.1	195.2	218.6	242.9	267.3
-52.5°	65.4	79.1	93.8	110.1	127.7	146.4	166.1	186.8	208.4	230.9	254.0
-55°	65.4	78.3	92.0	107.2	123.6	140.8	159.1	178.2	198.0	218.7	240.1
-57.5°	65.4	77.4	90.2	104.2	119.3	135.2	151.9	169.5	187.6	206.5	225.9
-60°	65.4	76.5	88.4	101.2	115.0	129.6	144.8	160.8	177.3	194.0	211.8
-62.5°	65.4	75.7	86.5	98.2	110.7	123.9	137.6	152.0	166.8	182.1	197.5
-65°	65.4	74.7	84.6	95.1	106.4	118.2	130.5	143.2	156.5	170.0	183.8
-67.5°	65.4	73.8	82.7	92.1	102.1	112.5	123.4	134.6	146.2	158.2	170.2
-70°	65.4	72.9	80.8	89.1	97.8	106.9	116.4	126.1	136.0	146.4	156.8
-72.5°	65.4	72.0	78.9	86.0	93.4	101.3	109.5	117.8	126.2	134.8	143.6
-75°	65.4	71.1	77.0	83.0	89.3	95.8	102.6	109.6	116.6	123.7	130.8
-77.5°	65.4	70.2	75.0	80.0	85.1	90.4	95.9	101.5	107.2	113.1	118.7
-80°	65.4	69.2	73.1	77.0	81.1	85.1	89.4	93.7	98.1	102.6	106.9
-82.5°	65.4	68.3	71.2	74.1	77.1	80.1	83.0	86.2	89.3	92.5	95.6
-85°	65.4	67.3	69.3	71.2	73.1	75.1	77.1	79.0	81.0	82.9	84.8
-87.5°	65.4	66.4	67.4	68.4	69.3	70.3	71.2	72.2	73.1	74.0	74.9
-90°	65.4	65.4	65.4	65.4	65.4	65.3	65.3	65.3	65.3	65.3	65.0

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	65.6	65.5	65.5	65.4	65.4	65.3	65.3	65.2	64.8	64.4	64.0
87.5°	74.9	75.5	76.1	76.7	77.3	77.8	78.3	78.7	79.2	79.6	79.9
85°	85.8	87.4	88.9	90.5	91.9	93.4	94.9	96.3	97.5	98.8	99.9
82.5°	97.3	100.0	102.7	105.4	108.1	110.6	113.1	115.5	117.9	120.1	122.2
80°	109.7	113.7	117.7	121.5	125.3	129.1	132.8	136.3	139.9	143.3	146.5
77.5°	122.6	128.0	133.3	138.5	143.8	148.9	154.0	158.8	163.5	168.1	172.5
75°	136.1	142.9	149.7	156.5	163.2	169.7	176.1	182.4	188.4	194.4	200.2
72.5°	150.1	158.6	166.9	175.2	183.4	191.4	199.4	207.1	214.7	222.1	229.1
70°	164.7	174.7	184.6	194.5	204.3	214.0	223.5	232.8	242.3	251.4	259.9
67.5°	179.6	191.1	202.8	214.4	225.9	237.3	248.9	260.1	271.0	281.1	290.9
65°	194.6	208.0	221.3	234.6	248.2	261.5	274.6	287.3	299.6	311.1	322.4
62.5°	210.0	225.1	240.2	255.5	270.7	285.6	300.2	314.3	328.3	341.6	354.3
60°	225.4	242.3	259.3	276.3	293.1	309.6	326.0	341.9	357.4	372.2	386.4
57.5°	240.8	259.5	278.3	296.9	315.4	333.8	351.8	369.3	386.4	403.1	418.8
55°	256.2	276.6	297.1	317.5	337.9	357.9	377.5	396.9	415.6	434.0	451.6
52.5°	271.4	293.5	315.8	338.0	360.0	381.7	403.3	424.2	444.8	464.9	484.3
50°	286.4	310.3	334.3	358.2	381.9	405.5	428.6	451.4	473.9	495.7	516.4
47.5°	301.1	326.8	352.5	378.0	403.6	428.8	453.7	478.7	502.9	526.0	548.1
45°	315.6	342.9	370.2	397.6	424.7	451.7	478.9	505.7	531.0	555.6	579.5
42.5°	329.8	358.6	387.5	416.5	445.3	474.4	503.8	531.5	558.5	584.8	610.1
40°	343.4	373.7	404.3	434.8	465.4	497.2	527.3	556.6	585.3	613.2	640.3
37.5°	356.4	388.3	420.5	452.5	485.8	518.6	550.1	581.1	611.3	641.0	669.8
35°	368.9	402.3	435.9	469.7	505.6	539.0	572.0	604.5	636.6	667.9	698.3
32.5°	380.8	415.8	450.8	487.2	523.3	558.2	593.0	627.1	660.8	693.7	725.8
30°	392.1	428.4	464.8	503.7	540.4	576.9	612.8	648.7	683.9	718.4	751.7
27.5°	402.6	440.3	478.6	518.5	556.1	594.2	631.9	669.1	705.8	741.6	776.2
25°	412.6	451.5	491.8	532.0	571.1	610.2	649.3	688.1	726.2	763.3	799.4
22.5°	421.7	461.5	504.0	544.4	585.0	625.3	665.7	705.8	745.1	783.2	820.7
20°	430.0	470.5	514.7	555.4	597.2	639.2	680.6	721.9	762.4	801.8	840.5
17.5°	437.4	479.5	524.0	565.5	608.2	650.9	694.0	736.3	777.7	818.1	857.9
15°	444.1	487.4	532.1	574.9	618.0	661.8	705.9	749.2	791.2	832.7	873.0
12.5°	449.8	494.2	538.8	583.0	626.9	671.5	716.1	760.8	802.9	845.3	886.3
10°	454.4	499.9	544.3	589.2	634.4	679.4	724.6	770.3	812.4	856.0	897.7
7.5°	457.9	504.3	548.7	594.0	640.0	685.6	731.4	777.1	819.9	863.3	906.9
5°	460.4	507.6	551.9	597.4	643.7	690.1	736.4	782.0	825.4	868.1	913.7
2.5°	462.0	509.7	553.8	599.6	646.0	693.0	739.6	785.1	828.9	870.7	918.1
0°	462.6	510.5	554.6	600.4	646.9	694.2	740.9	786.4	830.2	871.4	919.9
-2.5°	462.5	510.1	554.4	600.2	646.8	693.8	740.5	785.9	829.8	871.5	918.8
-5°	461.5	508.5	553.0	598.7	645.1	691.8	738.4	783.6	827.4	869.6	915.2
-7.5°	459.5	505.7	550.4	595.8	642.0	688.0	734.6	779.4	822.8	865.7	909.2
-10°	456.4	501.7	546.5	591.5	637.1	682.6	728.6	773.2	816.0	859.5	900.8
-12.5°	452.2	496.5	541.4	585.7	630.5	675.5	720.5	764.6	806.9	849.9	890.2
-15°	447.1	490.3	535.0	578.3	622.6	666.5	710.8	754.1	796.1	838.5	877.6
-17.5°	441.2	483.4	527.3	569.7	613.2	656.3	699.9	743.4	783.5	825.1	864.1
-20°	434.3	475.7	518.5	560.2	602.5	644.8	687.4	730.1	768.7	808.4	848.3

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	426.5	466.8	508.4	549.6	590.3	632.1	673.2	713.5	753.0	791.3	829.7
-25°	417.6	456.7	496.7	537.2	577.1	617.8	657.4	696.9	737.3	772.0	808.1
-27.5°	407.4	446.4	485.2	524.0	563.1	601.6	640.1	678.6	715.5	752.3	787.0
-30°	397.1	435.2	472.6	509.9	547.6	584.2	622.5	658.6	694.6	730.3	763.7
-32.5°	386.3	423.0	458.0	494.1	530.1	566.9	602.3	637.6	672.1	705.6	739.2
-35°	374.2	408.9	444.3	479.8	513.1	547.8	581.4	615.7	648.3	680.5	711.4
-37.5°	361.9	395.1	429.5	461.2	494.2	527.1	560.3	591.8	623.9	654.2	683.7
-40°	349.3	380.4	412.5	444.3	475.9	506.2	537.3	568.0	597.8	627.0	655.0
-42.5°	336.2	365.1	395.4	426.4	454.7	485.1	513.8	543.0	571.0	598.7	625.3
-45°	322.4	349.9	377.7	405.8	434.7	461.3	489.8	516.6	543.9	569.4	594.6
-47.5°	307.2	334.3	359.8	386.3	412.7	438.9	464.0	490.3	514.9	540.0	563.2
-50°	291.9	317.6	342.0	366.0	390.7	415.2	439.0	462.0	486.3	508.8	531.2
-52.5°	276.8	299.8	323.6	345.9	368.2	390.9	413.2	435.0	455.7	477.3	497.9
-55°	261.5	282.4	303.8	325.5	346.1	366.5	386.9	407.1	426.8	445.0	463.0
-57.5°	245.8	265.2	284.4	304.0	323.6	342.3	360.8	379.0	396.8	414.3	430.1
-60°	229.6	247.7	265.3	282.8	300.3	317.8	334.6	351.1	367.3	382.5	396.8
-62.5°	213.7	229.8	246.0	261.9	277.5	293.0	308.2	323.1	337.4	351.2	364.1
-65°	197.7	212.2	226.3	240.7	254.8	268.5	282.1	295.3	308.1	319.7	331.1
-67.5°	182.4	194.5	207.4	219.7	232.1	244.3	256.2	267.8	279.1	289.4	299.0
-70°	167.2	177.9	188.4	199.1	210.0	220.3	230.6	240.7	250.2	258.9	267.3
-72.5°	152.5	161.4	170.4	179.3	188.1	196.9	205.8	214.3	222.0	229.1	235.9
-75°	138.0	145.4	152.7	160.1	167.4	174.5	181.5	188.5	194.7	200.6	206.1
-77.5°	124.4	130.1	135.8	141.4	147.2	152.9	158.6	164.1	168.9	173.2	177.2
-80°	111.3	115.6	119.9	124.2	128.5	132.6	136.6	140.5	144.0	147.2	150.1
-82.5°	98.7	101.7	104.7	107.7	110.7	113.5	116.4	119.2	121.5	123.5	125.4
-85°	86.8	88.7	90.5	92.3	94.1	95.9	97.6	99.2	100.3	101.4	102.3
-87.5°	75.8	76.6	77.4	78.3	79.1	79.8	80.6	81.3	81.5	81.7	81.9
-90°	64.8	64.5	64.3	64.0	63.8	63.5	63.3	63.0	62.7	62.5	62.2

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	63.6	63.1	62.7	62.3	61.9	61.5	61.1	60.7	60.2	59.8	59.4
87.5°	80.3	80.6	80.8	81.1	81.3	81.4	81.2	81.0	80.7	80.4	80.1
85°	101.0	102.1	103.0	103.9	104.7	105.4	105.6	105.7	105.8	105.7	105.5
82.5°	124.2	126.1	127.9	129.5	131.0	132.3	133.2	133.8	134.3	134.6	134.7
80°	149.6	152.4	155.1	157.5	159.8	161.9	163.4	164.6	165.6	166.3	166.8
77.5°	176.6	180.6	184.3	187.7	191.1	194.2	196.6	198.5	200.1	201.2	202.1
75°	205.7	210.9	215.7	220.3	224.5	228.4	231.4	234.0	236.2	237.9	239.3
72.5°	236.0	242.7	248.8	254.3	259.3	263.8	267.7	270.9	273.8	276.2	278.2
70°	267.9	275.3	282.3	289.0	295.1	300.7	305.6	309.9	313.6	316.6	319.0
67.5°	300.2	309.0	317.4	325.2	332.4	338.9	344.7	349.7	354.0	357.5	360.3
65°	333.2	343.3	352.9	361.8	370.0	377.6	384.2	390.0	394.9	399.1	402.4
62.5°	366.4	377.9	388.8	398.8	408.2	416.9	424.9	431.8	437.5	442.2	445.9
60°	400.1	412.9	425.3	436.9	447.4	457.0	465.7	473.7	480.5	486.1	490.6
57.5°	434.2	448.6	462.2	475.1	487.4	498.8	509.2	517.9	524.8	530.4	535.0
55°	468.3	484.5	499.9	514.4	527.7	539.4	550.1	559.4	567.3	574.0	579.5
52.5°	502.6	520.4	536.7	552.0	566.3	579.6	592.0	602.4	610.5	618.1	624.3
50°	536.2	555.1	573.1	590.0	605.7	620.3	633.7	644.9	654.8	663.4	669.9
47.5°	569.5	589.8	609.3	627.8	644.7	660.8	675.5	688.2	697.6	706.3	713.7
45°	602.1	624.3	645.3	665.4	684.0	700.0	715.0	729.0	740.8	750.5	758.5
42.5°	634.5	658.3	681.0	701.7	721.4	739.7	756.2	770.9	783.7	793.9	801.8
40°	666.6	691.6	715.6	738.1	759.2	778.4	796.0	811.3	824.6	835.8	844.7
37.5°	697.6	724.3	749.5	773.3	795.7	815.9	834.3	850.8	866.5	877.0	886.2
35°	727.7	755.7	782.0	807.4	830.9	852.5	872.2	889.3	905.3	918.3	927.0
32.5°	756.5	785.7	813.8	840.5	864.9	887.5	908.7	926.7	942.0	956.1	967.0
30°	783.7	814.7	844.3	871.4	897.4	921.9	942.8	962.6	980.1	995.4	1005.4
27.5°	809.8	842.2	872.6	901.5	928.8	953.7	976.5	997.2	1013.3	1027.3	1039.6
25°	834.4	867.7	899.6	929.9	958.1	983.7	1007.1	1027.4	1045.7	1061.5	1072.7
22.5°	856.9	891.6	925.0	956.0	984.9	1011.2	1035.6	1057.3	1075.4	1091.9	1105.4
20°	877.8	913.7	947.6	979.8	1009.4	1037.1	1062.1	1083.8	1103.6	1120.2	1132.7
17.5°	896.5	933.4	968.3	1001.1	1031.9	1060.2	1085.5	1108.3	1128.0	1144.8	1157.9
15°	913.2	950.6	986.6	1020.2	1051.6	1080.7	1106.8	1129.7	1150.3	1167.4	1180.7
12.5°	927.7	965.2	1002.2	1036.8	1069.0	1098.4	1124.7	1148.7	1169.4	1187.1	1201.5
10°	939.6	977.5	1015.2	1050.0	1083.3	1113.1	1140.2	1164.5	1185.7	1203.6	1217.4
7.5°	948.6	987.4	1025.5	1060.5	1094.2	1125.0	1152.2	1177.4	1198.4	1215.9	1230.3
5°	954.5	994.8	1033.3	1068.1	1102.5	1134.6	1161.5	1186.1	1207.5	1225.5	1240.1
2.5°	958.0	999.6	1038.3	1073.3	1108.0	1139.0	1168.2	1192.5	1212.2	1230.6	1245.0
0°	959.2	1001.6	1040.4	1075.4	1110.5	1140.7	1171.6	1195.9	1213.9	1232.5	1245.2
-2.5°	958.7	1000.3	1039.0	1074.2	1108.8	1139.4	1168.7	1193.1	1212.8	1230.6	1244.9
-5°	956.1	996.1	1034.3	1070.1	1104.0	1135.1	1163.0	1187.8	1210.2	1225.5	1240.6
-7.5°	951.0	989.6	1026.0	1062.6	1096.5	1127.3	1154.6	1179.6	1200.3	1217.9	1231.9
-10°	942.7	981.3	1017.1	1051.3	1085.7	1116.7	1142.9	1167.2	1188.8	1207.5	1222.0
-12.5°	930.8	969.6	1006.4	1040.8	1074.0	1102.9	1129.4	1154.5	1173.3	1192.4	1205.1
-15°	917.7	955.6	991.4	1022.8	1055.9	1086.4	1113.2	1137.2	1158.5	1171.4	1184.3
-17.5°	902.3	939.2	975.5	1008.3	1038.0	1068.2	1093.1	1116.4	1136.6	1151.6	1162.5
-20°	884.8	920.6	956.1	988.5	1018.0	1044.8	1072.2	1092.5	1110.7	1125.1	1139.3

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	865.8	900.4	933.2	966.7	995.8	1022.5	1044.9	1067.0	1083.7	1097.7	1108.6
-25°	844.8	878.1	910.1	940.8	970.9	996.8	1018.3	1037.5	1055.1	1068.6	1079.2
-27.5°	820.2	854.2	884.9	913.8	941.8	967.4	988.0	1006.4	1024.6	1038.4	1048.6
-30°	796.1	826.2	858.0	885.9	910.9	933.4	955.7	973.6	989.0	1001.9	1013.7
-32.5°	770.2	799.6	826.5	855.5	879.0	901.0	919.8	938.0	953.2	965.6	976.1
-35°	742.1	771.5	798.2	820.6	844.5	865.8	884.7	901.6	915.2	927.3	937.6
-37.5°	712.1	739.6	766.3	789.0	808.6	828.2	845.9	862.4	876.3	888.6	897.2
-40°	681.8	707.4	730.8	753.7	774.0	792.0	807.6	823.1	834.5	845.0	854.3
-42.5°	651.0	674.0	695.9	716.5	735.7	753.8	769.1	782.7	794.4	804.3	812.1
-45°	618.7	640.1	660.1	679.1	697.3	713.6	728.4	741.7	752.9	761.6	768.7
-47.5°	584.8	605.4	624.0	641.6	657.8	672.8	686.8	699.5	709.6	718.0	724.6
-50°	551.2	569.3	587.0	603.7	618.7	632.3	644.4	655.5	665.0	672.7	679.2
-52.5°	515.6	533.8	550.0	564.8	578.7	591.5	602.9	613.0	621.5	628.2	633.5
-55°	480.7	497.0	511.6	525.9	538.9	550.5	560.8	569.8	577.5	583.7	588.8
-57.5°	445.1	459.4	473.7	486.7	498.1	508.7	518.3	526.7	533.8	539.5	543.8
-60°	410.6	423.8	436.2	447.5	457.6	467.6	476.7	483.5	489.4	494.5	498.8
-62.5°	376.3	387.5	398.4	408.6	418.3	427.3	435.4	441.4	446.0	449.8	452.8
-65°	342.0	352.3	362.0	371.0	379.0	386.2	392.7	398.0	402.5	406.4	409.3
-67.5°	308.2	316.7	325.0	333.1	340.4	346.9	352.5	357.1	361.0	364.1	366.3
-70°	275.3	282.9	290.0	296.5	302.4	307.6	311.9	315.6	319.0	321.7	323.7
-72.5°	242.5	249.0	255.0	260.4	265.4	269.9	273.8	276.9	279.5	281.5	282.9
-75°	211.2	216.0	220.5	224.8	228.6	232.0	235.0	237.8	240.1	241.8	243.0
-77.5°	181.1	184.9	188.3	191.5	194.4	196.9	199.0	200.9	202.4	203.7	204.6
-80°	153.0	155.8	158.3	160.7	162.7	164.4	165.8	167.0	168.0	168.7	169.2
-82.5°	127.2	128.8	130.3	131.6	132.8	133.8	134.7	135.4	135.9	136.3	136.5
-85°	103.3	104.1	104.9	105.5	106.1	106.5	106.8	107.0	107.2	107.2	107.1
-87.5°	82.0	82.1	82.2	82.2	82.2	82.2	82.1	82.0	81.8	81.6	81.3
-90°	61.9	61.7	61.4	61.1	60.9	60.6	60.1	59.6	59.1	58.6	58.2

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	59.0	58.5	58.1	57.7	57.1	56.6	56.0	55.5	54.9	54.4	53.8
87.5°	79.6	79.2	78.7	78.2	77.7	77.2	76.7	76.1	75.4	74.8	74.1
85°	105.2	104.9	104.4	103.8	103.2	102.6	101.8	101.0	100.0	99.0	97.8
82.5°	134.7	134.5	134.0	133.5	132.8	131.9	130.9	129.7	128.3	126.8	125.1
80°	167.0	167.0	166.7	166.1	165.3	164.2	162.9	161.4	159.5	157.5	155.2
77.5°	202.6	202.7	202.5	201.9	201.0	199.7	198.1	196.2	193.9	191.3	188.4
75°	240.2	240.6	240.6	240.1	239.0	237.5	235.5	233.0	230.2	226.9	223.2
72.5°	279.6	280.5	280.8	280.6	279.2	277.3	274.9	271.8	268.3	264.3	259.9
70°	320.7	321.7	322.1	321.8	320.3	318.3	315.5	312.2	308.2	303.7	298.5
67.5°	362.4	363.7	364.2	364.0	362.5	360.3	357.3	353.6	349.2	343.9	337.8
65°	404.8	406.3	407.0	406.8	405.3	402.9	399.6	395.5	390.5	384.6	377.8
62.5°	448.8	450.7	451.7	451.6	449.8	447.0	443.3	438.5	432.8	426.1	418.5
60°	493.9	496.1	497.0	496.8	495.0	491.9	487.7	482.3	475.7	468.2	460.1
57.5°	538.4	540.7	541.8	541.6	539.9	536.9	532.8	527.4	520.8	512.8	503.6
55°	583.5	586.2	587.4	587.2	585.3	582.0	577.3	571.1	563.6	555.2	545.7
52.5°	628.8	631.5	632.9	632.7	630.8	627.3	622.2	615.6	607.4	597.9	587.6
50°	674.7	677.7	679.1	678.9	676.8	673.1	667.9	661.0	652.6	642.2	630.4
47.5°	719.3	722.7	724.2	724.1	722.1	718.5	713.1	705.4	695.6	684.3	672.0
45°	764.3	768.3	770.3	770.3	768.0	763.8	757.9	750.2	740.1	727.8	714.1
42.5°	807.7	812.2	814.7	815.0	812.2	807.2	800.3	792.2	782.3	769.7	755.5
40°	851.9	856.5	858.6	858.4	856.1	851.5	844.7	835.4	823.5	809.4	794.2
37.5°	893.5	898.2	900.6	900.5	897.7	892.1	884.4	875.5	864.8	851.2	833.9
35°	934.4	939.5	942.1	942.1	939.2	933.8	926.0	916.0	904.2	887.3	871.0
32.5°	975.0	980.2	982.5	982.1	979.2	973.5	965.2	954.4	940.8	925.0	907.7
30°	1012.9	1018.8	1022.2	1022.8	1019.0	1012.3	1003.1	991.8	978.3	961.3	942.4
27.5°	1048.8	1055.0	1057.3	1057.0	1053.9	1047.8	1038.6	1027.2	1011.5	994.4	975.9
25°	1083.0	1089.2	1092.4	1092.4	1089.0	1082.4	1072.8	1060.0	1044.6	1027.2	1006.1
22.5°	1115.1	1120.4	1123.2	1123.3	1119.8	1113.4	1103.8	1091.1	1075.4	1056.1	1035.4
20°	1142.6	1149.2	1153.4	1154.7	1150.8	1143.1	1132.5	1119.4	1102.9	1083.4	1061.2
17.5°	1169.8	1175.2	1179.1	1179.5	1175.7	1168.3	1158.0	1145.6	1128.1	1108.6	1084.3
15°	1190.9	1198.4	1200.4	1200.6	1196.9	1190.1	1179.4	1166.4	1149.4	1129.8	1106.3
12.5°	1210.8	1217.7	1221.6	1222.1	1217.8	1211.0	1200.2	1185.3	1168.0	1146.7	1123.9
10°	1227.8	1233.3	1237.9	1239.0	1233.4	1227.8	1215.8	1201.7	1183.8	1163.2	1136.8
7.5°	1241.0	1248.5	1251.6	1251.8	1246.3	1240.5	1229.5	1214.5	1196.7	1174.3	1147.7
5°	1251.0	1257.7	1261.9	1261.0	1254.7	1250.7	1238.9	1224.3	1205.1	1183.9	1158.9
2.5°	1256.5	1263.4	1266.5	1264.8	1262.2	1253.9	1243.2	1229.0	1211.7	1189.1	1164.2
0°	1258.7	1266.4	1270.0	1268.0	1265.4	1259.0	1247.3	1229.4	1213.6	1190.3	1165.8
-2.5°	1256.7	1264.8	1268.5	1265.1	1261.8	1253.9	1243.2	1227.5	1210.8	1188.0	1163.6
-5°	1251.7	1258.5	1261.2	1261.3	1254.9	1248.3	1236.8	1222.1	1203.6	1182.2	1157.9
-7.5°	1242.9	1248.3	1248.1	1251.6	1248.3	1238.0	1228.2	1213.5	1195.1	1173.5	1148.9
-10°	1230.1	1236.9	1239.4	1239.8	1235.0	1227.4	1216.0	1201.6	1183.6	1162.1	1138.0
-12.5°	1214.0	1220.4	1223.9	1223.2	1218.8	1211.3	1201.2	1185.9	1168.2	1147.4	1123.6
-15°	1195.4	1201.8	1205.2	1206.0	1201.3	1192.1	1180.7	1167.3	1150.2	1129.6	1106.2
-17.5°	1169.4	1177.3	1181.5	1181.9	1177.6	1170.1	1159.2	1147.7	1129.0	1108.7	1085.4
-20°	1146.2	1152.9	1156.1	1155.4	1153.0	1146.6	1135.3	1121.7	1104.0	1084.1	1062.2

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1117.3	1124.4	1129.0	1129.7	1125.1	1116.9	1105.8	1091.7	1075.8	1057.2	1036.9
-25°	1087.9	1094.4	1098.4	1099.4	1094.0	1085.5	1074.3	1060.5	1046.9	1029.8	1008.0
-27.5°	1056.3	1061.6	1065.0	1065.5	1060.6	1053.1	1043.6	1031.4	1014.8	997.4	978.1
-30°	1021.9	1027.1	1029.6	1029.2	1024.7	1017.4	1007.5	996.2	981.9	963.5	943.6
-32.5°	983.2	988.2	991.0	991.0	987.0	980.0	970.2	957.1	943.2	927.9	909.7
-35°	944.8	949.6	952.1	952.2	948.0	941.2	931.7	920.1	907.1	890.8	873.6
-37.5°	903.3	907.7	910.0	909.8	905.9	899.4	890.6	880.2	867.2	851.0	835.4
-40°	860.8	865.0	867.0	866.6	862.8	856.7	848.7	838.7	826.8	813.2	797.6
-42.5°	817.4	820.6	822.0	821.4	818.4	813.2	806.1	796.6	784.2	770.7	756.8
-45°	773.8	776.9	778.2	777.5	774.3	769.4	762.6	754.1	743.1	729.7	715.9
-47.5°	729.5	732.7	734.1	733.7	730.4	725.3	718.5	710.1	700.0	688.4	675.3
-50°	684.0	687.2	688.5	688.1	685.1	680.4	674.0	665.9	656.5	646.3	634.3
-52.5°	637.7	640.4	641.6	641.3	638.6	634.4	628.5	621.3	612.7	602.7	590.7
-55°	592.5	594.9	595.8	595.3	592.6	588.5	583.0	576.2	568.2	558.9	548.3
-57.5°	547.1	549.2	550.0	549.5	546.9	543.0	537.8	531.5	524.3	515.9	506.2
-60°	501.9	503.9	504.8	504.4	501.9	498.3	493.5	487.7	480.8	473.1	464.5
-62.5°	455.2	456.5	456.8	456.0	454.1	451.1	447.1	442.1	436.2	429.5	421.9
-65°	411.2	412.2	412.3	411.4	409.6	407.0	403.4	398.9	393.6	387.4	380.3
-67.5°	367.8	368.5	368.5	367.7	366.0	363.5	360.3	356.4	351.8	346.3	340.0
-70°	324.9	325.5	325.3	324.5	322.9	320.7	317.8	314.3	310.2	305.5	300.3
-72.5°	283.8	284.1	283.8	283.0	281.5	279.6	277.1	274.0	270.5	266.3	261.6
-75°	243.7	243.9	243.7	242.9	241.5	239.5	237.2	234.4	231.2	227.5	223.5
-77.5°	205.1	205.2	205.0	204.4	203.1	201.5	199.5	197.2	194.5	191.5	188.2
-80°	169.4	169.4	169.1	168.6	167.5	166.0	164.4	162.5	160.3	157.9	155.3
-82.5°	136.5	136.3	135.9	135.4	134.4	133.3	131.9	130.4	128.7	126.9	124.9
-85°	106.9	106.6	106.2	105.7	104.9	103.9	102.9	101.7	100.5	99.1	97.7
-87.5°	81.0	80.6	80.2	79.8	79.1	78.3	77.6	76.7	75.9	75.0	74.0
-90°	57.7	57.2	56.7	56.2	55.9	55.5	55.2	54.8	54.5	54.1	53.8

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	53.3	52.7	52.4	52.1	51.8	51.5	51.2	50.9	50.6	50.3	50.0
87.5°	73.3	72.5	71.7	70.8	69.9	68.9	68.0	67.0	66.0	65.0	64.0
85°	96.6	95.2	93.8	92.4	90.8	89.2	87.5	85.7	83.9	82.1	80.1
82.5°	123.2	121.2	119.0	116.8	114.4	111.8	109.2	106.4	103.7	100.9	98.0
80°	152.6	149.8	146.8	143.7	140.5	137.0	133.4	129.6	125.6	121.6	117.4
77.5°	185.2	181.6	177.7	173.5	169.1	164.4	159.5	154.5	149.3	144.0	138.7
75°	219.2	214.8	209.9	204.7	199.1	193.6	187.7	181.5	174.8	167.9	161.2
72.5°	255.1	250.0	244.3	238.1	231.3	224.3	217.0	209.4	201.3	193.1	185.3
70°	292.7	286.5	279.9	272.6	264.8	256.7	248.2	239.1	229.3	219.6	210.1
67.5°	331.0	323.7	315.9	307.8	299.1	289.8	280.2	269.9	259.0	247.7	236.2
65°	370.2	362.0	353.6	344.5	334.0	323.0	312.1	300.6	288.3	276.0	263.2
62.5°	410.1	401.4	391.8	381.0	369.5	357.4	345.2	331.6	317.6	304.3	289.5
60°	451.1	441.0	429.9	418.3	406.0	392.8	378.2	363.2	348.1	332.4	316.2
57.5°	492.9	481.2	468.8	456.0	442.0	427.3	412.3	396.2	378.6	361.0	343.6
55°	535.0	523.2	509.3	494.3	478.7	462.7	445.2	427.6	409.9	390.7	370.3
52.5°	575.6	562.0	547.7	532.3	516.1	497.4	478.8	460.2	439.3	419.1	398.1
50°	617.0	602.2	586.4	569.6	551.5	532.0	512.7	490.7	469.8	447.3	424.4
47.5°	658.2	642.7	625.5	606.5	587.0	566.7	544.9	522.6	499.1	475.0	450.8
45°	698.4	681.3	662.8	643.8	622.9	599.9	577.0	553.8	528.3	503.3	476.0
42.5°	739.6	720.3	700.5	679.6	656.5	633.8	608.5	583.4	557.6	529.7	502.5
40°	778.1	758.5	738.1	714.5	690.9	665.0	639.9	613.0	585.1	556.8	526.9
37.5°	815.0	794.5	773.9	749.3	723.5	696.7	669.8	641.5	612.2	581.9	551.2
35°	852.7	830.2	807.4	782.3	755.8	727.8	698.6	668.8	638.0	606.5	573.8
32.5°	886.1	865.1	840.4	813.7	785.9	757.3	726.6	695.3	662.8	629.5	595.9
30°	920.6	897.4	870.4	844.6	814.9	784.7	752.9	719.9	686.2	651.9	616.2
27.5°	953.4	928.1	901.5	871.9	843.3	810.4	778.0	743.3	708.1	671.7	635.4
25°	983.3	957.5	929.9	900.5	868.8	835.8	799.2	765.2	729.0	692.2	654.5
22.5°	1011.3	984.5	956.0	925.3	893.0	860.0	823.3	785.4	746.9	708.8	669.4
20°	1037.5	1009.8	980.1	948.6	915.2	879.9	843.0	801.5	764.3	725.5	685.6
17.5°	1059.3	1033.2	1001.4	969.3	934.7	898.8	861.9	822.0	781.1	739.8	699.5
15°	1080.4	1050.1	1021.0	986.1	951.3	915.0	877.0	835.9	792.8	752.8	710.7
12.5°	1096.5	1068.4	1038.2	1002.1	966.6	928.9	889.8	849.4	805.9	764.0	720.8
10°	1110.8	1082.4	1048.3	1015.9	978.7	941.2	901.2	859.8	818.0	773.7	729.1
7.5°	1122.3	1092.0	1060.7	1026.9	988.5	949.9	909.5	867.9	825.3	781.1	736.0
5°	1130.7	1099.2	1069.4	1034.0	995.8	956.3	915.1	873.5	830.4	785.9	741.1
2.5°	1135.7	1103.8	1074.2	1037.5	1000.2	960.0	918.4	876.7	833.5	788.8	744.2
0°	1137.9	1105.0	1075.5	1038.7	1001.5	961.1	919.3	877.6	834.4	789.8	745.3
-2.5°	1136.2	1103.7	1073.4	1036.9	999.8	959.7	918.1	876.3	833.3	788.9	744.2
-5°	1131.0	1099.2	1068.3	1032.1	995.2	955.8	914.4	872.6	830.0	785.8	741.0
-7.5°	1121.9	1091.6	1060.2	1024.4	987.9	949.2	908.1	866.4	824.4	780.7	735.8
-10°	1110.4	1080.0	1048.5	1013.7	977.6	939.9	899.4	857.9	816.6	773.3	728.7
-12.5°	1096.6	1067.0	1034.9	1000.1	964.7	927.2	888.2	847.3	806.2	763.8	720.2
-15°	1079.6	1050.9	1019.2	985.6	950.1	912.4	874.4	834.7	794.0	752.6	710.1
-17.5°	1060.1	1031.9	1000.8	968.1	933.3	896.6	858.6	819.7	780.1	739.4	698.1
-20°	1037.8	1009.9	979.8	948.1	914.0	878.7	841.5	803.2	764.0	724.5	684.1

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1012.3	985.2	956.8	925.9	892.9	858.3	822.3	785.2	747.0	707.9	668.4
-25°	984.6	959.0	931.2	901.0	869.4	836.0	801.3	765.2	728.4	690.2	651.9
-27.5°	954.5	930.4	903.0	874.5	843.9	811.8	778.2	743.8	707.8	671.2	634.1
-30°	922.8	899.5	873.6	846.0	816.6	785.7	753.8	720.4	685.9	650.9	615.2
-32.5°	889.4	866.8	841.9	815.8	787.6	758.4	727.6	695.5	662.8	629.2	594.7
-35°	853.6	832.2	809.5	783.9	757.5	729.3	699.9	669.6	638.3	606.1	573.3
-37.5°	817.7	797.4	774.2	751.1	725.6	699.0	671.3	642.4	612.7	582.1	550.7
-40°	778.3	760.0	739.5	716.6	692.9	667.9	641.5	614.3	586.1	556.9	527.0
-42.5°	740.8	722.0	702.8	681.8	659.4	635.7	611.0	585.2	558.4	530.7	502.9
-45°	700.8	684.1	665.9	646.0	625.2	602.8	579.4	555.1	529.9	504.4	477.2
-47.5°	660.8	645.3	628.4	609.6	589.8	568.8	547.0	524.4	501.3	476.0	450.5
-50°	620.3	605.5	589.3	571.8	553.7	534.4	514.4	493.3	469.9	447.0	424.1
-52.5°	577.8	564.6	550.1	534.3	517.5	500.1	480.3	459.3	439.2	418.6	397.5
-55°	536.6	524.0	511.1	496.6	480.6	463.4	445.9	427.6	409.0	390.0	370.4
-57.5°	495.5	484.1	471.6	458.2	443.7	428.1	412.4	395.8	378.4	361.1	343.5
-60°	455.1	444.0	432.1	420.1	407.2	393.4	378.8	363.7	348.3	332.6	316.4
-62.5°	413.4	403.9	393.6	382.5	370.7	358.3	345.8	332.3	318.2	303.8	289.4
-65°	372.4	363.8	355.2	345.9	335.3	324.2	312.6	300.7	288.3	275.4	262.5
-67.5°	333.0	325.4	317.3	308.8	300.0	290.5	280.2	269.7	258.8	247.5	236.1
-70°	294.3	287.7	280.6	273.3	265.6	257.2	248.4	239.3	229.8	220.2	210.3
-72.5°	256.3	250.5	244.5	238.2	231.4	224.5	217.2	209.6	201.8	193.7	185.3
-75°	219.0	214.3	209.7	204.6	199.2	193.5	187.5	181.3	174.8	168.1	161.4
-77.5°	184.6	180.8	177.0	172.9	168.6	164.1	159.4	154.4	149.4	144.1	138.7
-80°	152.4	149.4	146.5	143.4	140.1	136.7	133.0	129.3	125.5	121.5	117.4
-82.5°	122.8	120.6	118.5	116.3	113.9	111.4	108.8	106.1	103.5	100.7	97.8
-85°	96.2	94.7	93.3	91.9	90.4	88.8	87.1	85.3	83.6	81.8	79.9
-87.5°	73.1	72.0	71.3	70.5	69.6	68.7	67.8	66.9	65.9	65.0	64.0
-90°	53.4	53.1	52.7	52.4	52.0	51.7	51.3	51.0	50.6	50.3	49.9

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	49.7	49.5	49.2	49.0	48.7	48.5	48.2	48.0	47.7	47.8	47.8
87.5°	63.2	62.4	61.6	60.8	59.9	59.0	58.0	57.1	56.2	55.3	54.4
85°	78.4	76.6	74.7	73.0	71.2	69.5	67.6	65.8	64.0	62.2	60.4
82.5°	95.3	92.6	89.8	86.9	83.9	81.0	78.1	75.1	72.2	69.4	66.7
80°	113.5	109.6	105.5	101.5	97.5	93.4	89.3	85.2	81.1	77.1	73.1
77.5°	133.5	128.2	122.8	117.3	111.9	106.4	101.1	95.8	90.5	85.2	80.1
75°	154.6	147.9	141.1	134.3	127.3	120.4	113.4	106.7	100.1	93.6	87.3
72.5°	177.2	168.7	160.3	151.8	143.5	135.1	126.6	118.2	110.1	102.2	94.6
70°	200.3	190.4	180.7	170.4	160.2	150.1	140.3	130.4	120.6	111.2	102.0
67.5°	224.4	213.0	201.2	189.5	177.8	165.7	154.1	142.7	131.5	120.5	109.8
65°	249.9	236.3	222.6	209.0	195.4	182.1	168.5	155.2	142.5	130.0	117.7
62.5°	275.2	260.1	244.7	229.1	213.7	198.3	183.3	168.1	153.5	139.5	125.7
60°	300.3	283.5	266.8	249.5	232.2	215.0	198.0	181.4	164.8	149.1	133.9
57.5°	325.1	307.1	288.3	269.8	250.8	231.7	212.9	194.4	176.5	158.8	142.0
55°	350.6	330.5	310.2	289.6	269.2	248.4	227.9	207.5	187.9	168.6	150.0
52.5°	375.8	353.9	331.7	309.5	287.1	264.9	242.6	220.8	199.2	178.3	158.1
50°	401.3	377.0	353.3	329.1	305.1	281.0	257.3	233.6	210.4	187.9	166.0
47.5°	425.6	400.3	374.1	348.6	322.6	296.9	271.7	246.4	221.6	197.3	174.0
45°	449.8	422.6	395.1	367.1	339.8	312.6	285.6	259.0	232.3	206.5	181.7
42.5°	472.8	444.2	415.3	385.7	356.7	327.7	299.3	271.3	242.9	215.6	189.1
40°	496.7	465.3	434.6	403.8	372.5	342.6	312.8	283.0	253.2	224.3	196.4
37.5°	519.7	486.2	453.5	421.1	388.6	357.0	325.4	294.3	263.5	232.6	203.3
35°	540.7	507.6	470.9	437.4	404.2	370.4	337.5	305.1	273.1	240.6	210.0
32.5°	561.0	525.7	489.6	453.8	418.7	383.6	349.3	315.6	282.0	248.4	216.4
30°	580.4	543.8	507.6	468.3	432.3	396.3	360.2	325.1	290.5	255.9	222.4
27.5°	598.9	560.6	522.7	483.3	445.5	408.0	370.5	333.9	298.4	263.1	228.0
25°	615.0	576.5	537.0	497.5	457.6	418.5	380.1	342.4	305.8	269.7	233.1
22.5°	630.7	591.1	550.6	510.5	468.0	428.4	389.1	350.1	312.7	275.5	237.9
20°	645.3	604.3	562.7	521.0	478.1	437.5	397.5	357.2	318.9	280.7	242.4
17.5°	657.7	615.8	573.4	530.6	487.6	446.0	404.7	363.5	324.1	285.4	246.3
15°	667.7	626.2	582.6	539.4	495.8	453.4	410.7	369.0	328.7	289.5	249.8
12.5°	677.4	635.2	590.8	546.8	502.7	459.3	415.8	373.8	332.6	292.9	252.8
10°	686.2	642.2	597.5	553.0	508.4	463.8	420.0	377.7	335.9	295.8	255.4
7.5°	692.9	647.3	602.7	557.8	512.6	467.3	423.5	380.8	338.4	298.0	257.4
5°	696.8	650.7	606.5	561.2	515.5	469.8	426.0	383.0	340.3	299.6	258.8
2.5°	699.1	652.6	608.8	563.3	517.2	471.3	427.5	384.3	341.4	300.6	259.7
0°	699.8	652.9	609.5	563.9	517.7	471.8	428.0	384.8	341.7	300.9	260.0
-2.5°	698.9	652.3	608.6	563.1	517.0	471.4	427.5	384.4	341.3	300.6	259.6
-5°	696.4	650.2	606.1	560.9	515.1	469.9	426.0	383.0	340.2	299.6	258.7
-7.5°	692.1	646.6	602.0	557.3	512.0	467.4	423.4	380.8	338.4	297.9	257.2
-10°	685.4	641.4	596.6	552.4	507.6	463.9	419.9	377.8	335.8	295.7	255.2
-12.5°	676.9	634.4	589.7	546.1	502.0	459.4	415.7	373.9	332.5	292.8	252.5
-15°	667.0	625.4	581.5	538.5	495.2	453.5	410.7	369.1	328.6	289.2	249.4
-17.5°	656.0	614.8	572.2	529.7	487.3	446.0	404.7	363.5	324.0	285.1	245.9
-20°	643.6	602.5	561.4	519.7	478.2	437.6	397.5	357.0	318.7	280.4	241.8

REPORT NUMBER: P1209907 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	629.4	589.1	549.1	508.6	468.4	428.4	389.3	349.8	312.5	275.1	237.2
-25°	613.5	574.7	535.6	496.4	457.8	418.4	380.3	342.2	305.5	269.2	232.2
-27.5°	596.3	558.8	520.9	483.1	445.6	407.9	370.5	333.8	298.0	262.5	227.0
-30°	578.7	541.9	505.3	468.9	432.4	396.3	360.1	324.9	290.0	255.2	221.4
-32.5°	559.8	524.2	488.9	453.9	418.5	383.8	348.9	315.2	281.4	247.6	215.3
-35°	539.7	505.8	471.7	437.6	404.1	370.5	337.3	304.7	272.4	239.4	208.9
-37.5°	518.6	486.4	453.6	420.9	388.8	356.7	325.1	293.7	262.6	231.1	202.2
-40°	497.0	465.7	434.6	403.7	372.7	342.3	312.3	282.2	252.2	222.7	195.1
-42.5°	473.6	444.2	415.0	385.8	356.3	327.4	298.7	270.3	241.4	214.0	187.8
-45°	449.6	422.3	394.9	367.1	339.5	312.0	284.7	257.8	230.4	204.9	180.3
-47.5°	425.3	400.0	374.1	348.2	322.3	296.1	270.5	244.7	219.6	195.6	172.5
-50°	400.8	377.0	353.0	328.9	304.5	280.0	255.9	231.3	208.5	186.2	164.7
-52.5°	375.7	353.8	331.6	309.1	286.3	263.6	240.3	218.4	197.2	176.5	156.7
-55°	350.6	330.4	309.8	288.9	268.0	246.7	225.4	205.3	185.8	166.9	148.6
-57.5°	325.3	306.7	287.8	268.7	249.4	229.6	210.6	192.0	174.3	157.2	140.5
-60°	299.8	283.0	265.8	248.3	230.4	213.1	195.8	178.9	162.9	147.4	132.3
-62.5°	274.5	259.3	243.5	227.8	212.2	196.5	181.1	165.9	151.6	137.7	124.1
-65°	249.2	235.5	221.8	207.9	194.0	180.2	166.5	153.1	140.4	128.1	116.2
-67.5°	224.4	212.6	200.5	188.4	176.2	164.1	152.3	140.5	129.3	118.6	108.3
-70°	200.3	190.0	179.7	169.3	158.9	148.6	138.3	128.2	118.5	109.4	100.4
-72.5°	176.9	168.2	159.6	150.9	142.2	133.4	124.7	116.2	108.1	100.4	93.0
-75°	154.4	147.5	140.3	133.2	125.9	118.8	111.7	104.7	98.0	91.7	85.7
-77.5°	133.2	127.6	122.0	116.3	110.6	104.9	99.3	93.8	88.4	83.4	78.6
-80°	113.2	109.0	104.7	100.5	96.2	91.8	87.6	83.3	79.2	75.5	71.8
-82.5°	94.9	91.9	88.9	85.8	82.6	79.6	76.6	73.5	70.5	68.0	65.4
-85°	78.1	76.2	74.2	72.3	70.3	68.4	66.4	64.4	62.4	60.8	59.2
-87.5°	63.0	62.0	61.0	60.0	59.0	57.9	56.8	55.7	54.7	54.0	53.3
-90°	49.8	49.7	49.6	49.5	49.3	49.2	49.1	49.0	48.9	48.8	48.7

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CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	47.9	47.9	48.0	48.0	48.1	48.1	48.2
87.5°	53.6	52.7	51.8	50.9	50.0	49.1	48.2
85°	58.6	56.8	55.1	53.3	51.6	49.9	48.2
82.5°	63.9	61.2	58.5	55.8	53.3	50.7	48.2
80°	69.4	65.6	62.0	58.4	54.9	51.5	48.2
77.5°	75.0	70.2	65.5	61.0	56.5	52.3	48.2
75°	81.0	74.9	69.1	63.6	58.2	53.1	48.2
72.5°	87.1	79.8	72.7	66.2	59.9	53.9	48.2
70°	93.3	84.8	76.6	68.9	61.6	54.7	48.2
67.5°	99.6	89.8	80.4	71.5	63.3	55.5	48.2
65°	105.9	94.9	84.3	74.2	64.9	56.2	48.2
62.5°	112.5	99.9	88.2	76.9	66.6	57.0	48.2
60°	119.1	105.0	91.9	79.6	68.2	57.8	48.2
57.5°	125.7	110.2	95.8	82.3	69.8	58.6	48.2
55°	132.3	115.4	99.5	85.0	71.4	59.3	48.2
52.5°	138.8	120.5	103.2	87.6	72.9	60.0	48.2
50°	145.3	125.5	107.0	90.1	74.5	60.7	48.2
47.5°	151.6	130.5	110.7	92.6	76.0	61.3	48.2
45°	157.8	135.4	114.3	95.0	77.5	62.0	48.2
42.5°	163.8	140.1	117.8	97.3	78.9	62.6	48.2
40°	169.8	144.7	121.2	99.5	80.3	63.2	48.2
37.5°	175.4	149.0	124.4	101.6	81.5	63.7	48.2
35°	180.8	153.2	127.5	103.8	82.8	64.3	48.2
32.5°	186.0	157.2	130.4	105.8	84.0	64.8	48.2
30°	190.8	160.9	133.2	107.7	85.1	65.3	48.2
27.5°	195.3	164.4	135.7	109.5	86.1	65.7	48.2
25°	199.6	167.7	138.1	111.1	87.1	66.1	48.2
22.5°	203.4	170.7	140.4	112.6	87.9	66.5	48.2
20°	206.9	173.4	142.4	114.0	88.7	66.8	48.2
17.5°	210.0	175.8	144.2	115.2	89.4	67.1	48.2
15°	212.7	177.9	145.7	116.2	90.0	67.4	48.2
12.5°	215.0	179.7	147.0	117.1	90.5	67.6	48.2
10°	216.8	181.2	148.1	117.8	90.9	67.7	48.2
7.5°	218.3	182.4	149.0	118.4	91.2	67.9	48.2
5°	219.3	183.2	149.6	118.8	91.4	68.0	48.2
2.5°	219.9	183.6	149.9	119.0	91.6	68.0	48.2
0°	220.0	183.8	150.0	119.1	91.6	68.1	48.2
-2.5°	219.8	183.6	149.9	119.0	91.5	68.0	48.2
-5°	219.1	183.0	149.5	118.7	91.4	68.0	48.2
-7.5°	218.0	182.2	148.8	118.3	91.2	67.9	48.2
-10°	216.5	181.0	148.0	117.7	90.8	67.7	48.2
-12.5°	214.6	179.4	146.8	117.0	90.4	67.5	48.2
-15°	212.3	177.6	145.5	116.0	89.9	67.3	48.2
-17.5°	209.5	175.4	143.9	115.0	89.2	67.0	48.2
-20°	206.3	173.0	142.0	113.7	88.5	66.7	48.2

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CATALOG NUMBER: BKHDR150CLD2D-HI-6500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	202.8	170.2	140.0	112.3	87.8	66.4	48.2
-25°	198.9	167.2	137.7	110.8	86.9	66.0	48.2
-27.5°	194.6	163.9	135.2	109.2	85.9	65.6	48.2
-30°	189.9	160.3	132.7	107.4	84.9	65.2	48.2
-32.5°	185.1	156.6	129.9	105.4	83.7	64.7	48.2
-35°	179.9	152.5	126.9	103.3	82.5	64.2	48.2
-37.5°	174.4	148.3	123.7	101.2	81.3	63.6	48.2
-40°	168.7	143.8	120.5	99.1	80.0	63.1	48.2
-42.5°	162.8	139.2	117.2	96.8	78.6	62.5	48.2
-45°	156.8	134.4	113.6	94.5	77.2	61.9	48.2
-47.5°	150.5	129.6	110.0	92.0	75.7	61.2	48.2
-50°	144.1	124.5	106.3	89.5	74.2	60.6	48.2
-52.5°	137.6	119.6	102.5	87.0	72.6	59.9	48.2
-55°	131.0	114.4	98.7	84.4	71.0	59.1	48.2
-57.5°	124.4	109.3	95.0	81.7	69.5	58.4	48.2
-60°	117.9	104.0	91.1	79.1	67.9	57.7	48.2
-62.5°	111.2	98.9	87.3	76.4	66.3	56.9	48.2
-65°	104.7	93.8	83.4	73.6	64.6	56.1	48.2
-67.5°	98.2	88.7	79.6	70.9	62.9	55.3	48.2
-70°	91.9	83.7	75.8	68.3	61.3	54.5	48.2
-72.5°	85.8	78.8	72.0	65.7	59.6	53.8	48.2
-75°	79.7	73.9	68.4	63.1	57.9	53.0	48.2
-77.5°	73.9	69.3	64.8	60.5	56.2	52.2	48.2
-80°	68.3	64.7	61.3	57.9	54.6	51.4	48.2
-82.5°	62.8	60.3	57.8	55.3	52.9	50.6	48.2
-85°	57.6	56.0	54.4	52.9	51.3	49.8	48.2
-87.5°	52.6	51.9	51.2	50.5	49.7	49.0	48.2
-90°	48.7	48.6	48.5	48.4	48.4	48.3	48.2

(END OF REPORT)