

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: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-HI-4000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209905 (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-4000K
Description: BULK HEAD 3500LM SEL 5CCT UNV D2D BRONZE at 4000K CCT

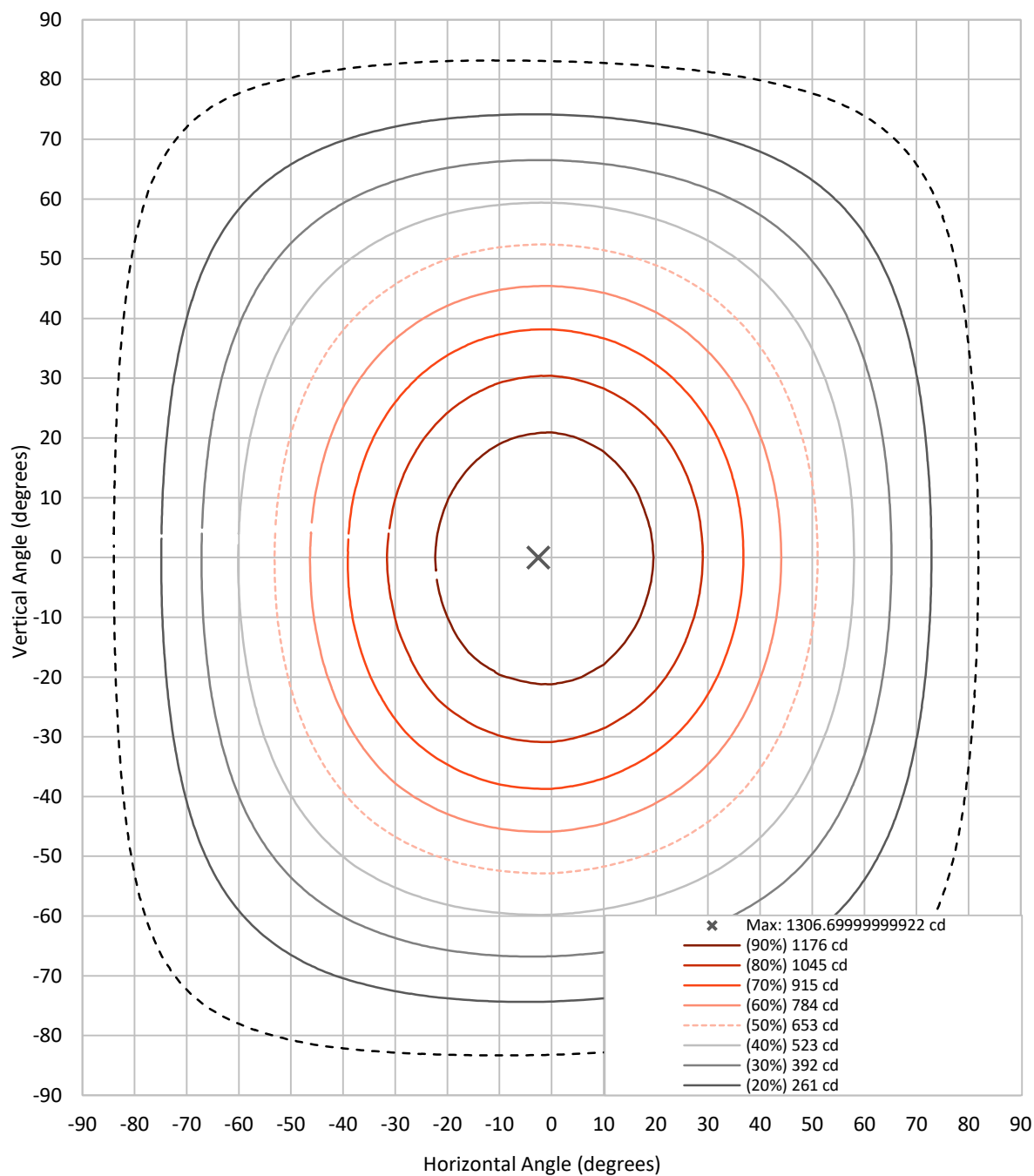
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	3539.8 lumens	Max Intensity:	1306.7 candela
Efficiency:	169.5%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	118.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.76' x H: 0')		
Beam Angle (50%):	104.2°H x 105.3°V	Field Angle (10%):	165.8°H x 166.3°V
Beam Lumens:	2340.3 lumens	Field Lumens:	3468.4 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	30		
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		

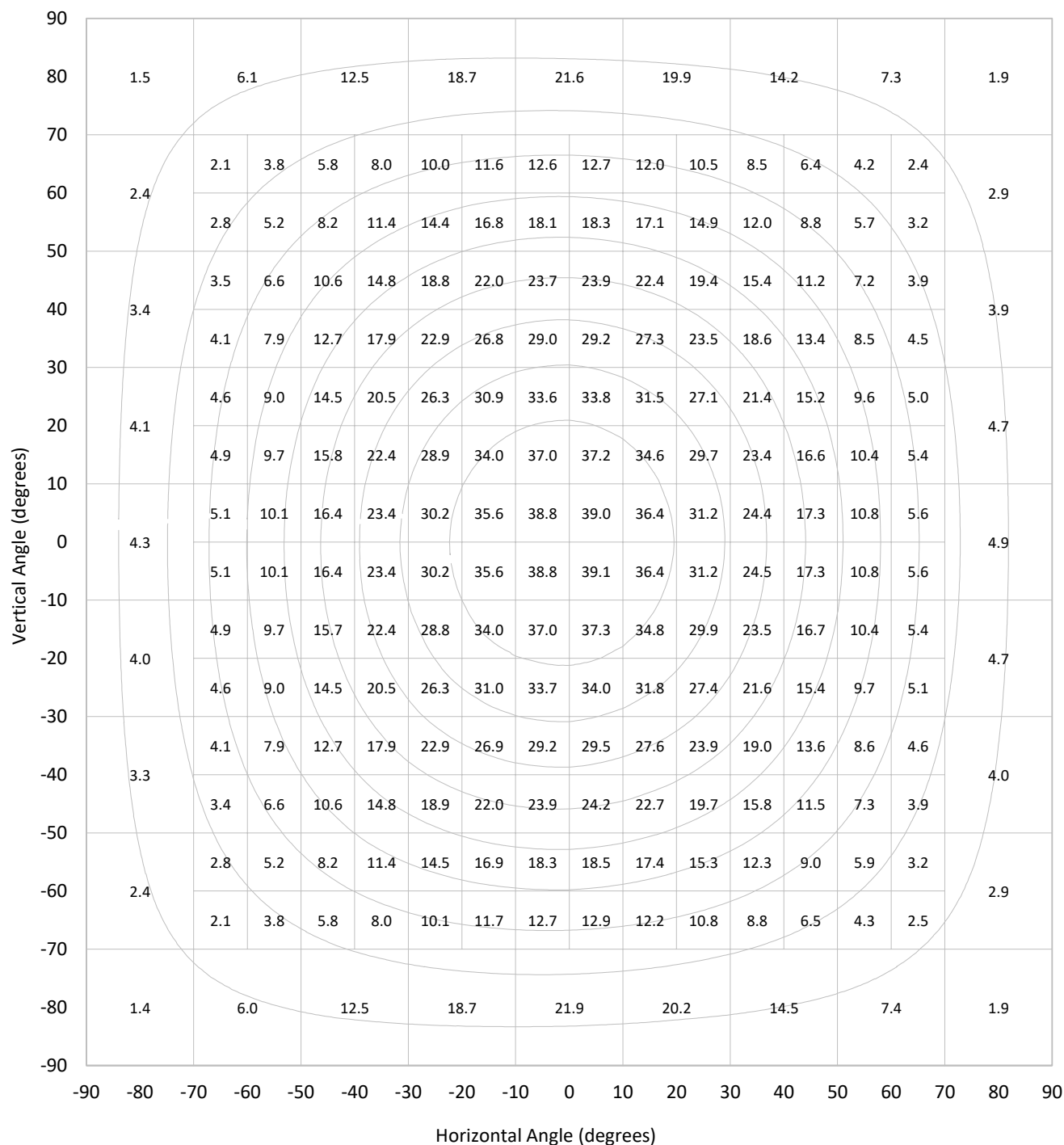
REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

Iso-Candela Plot



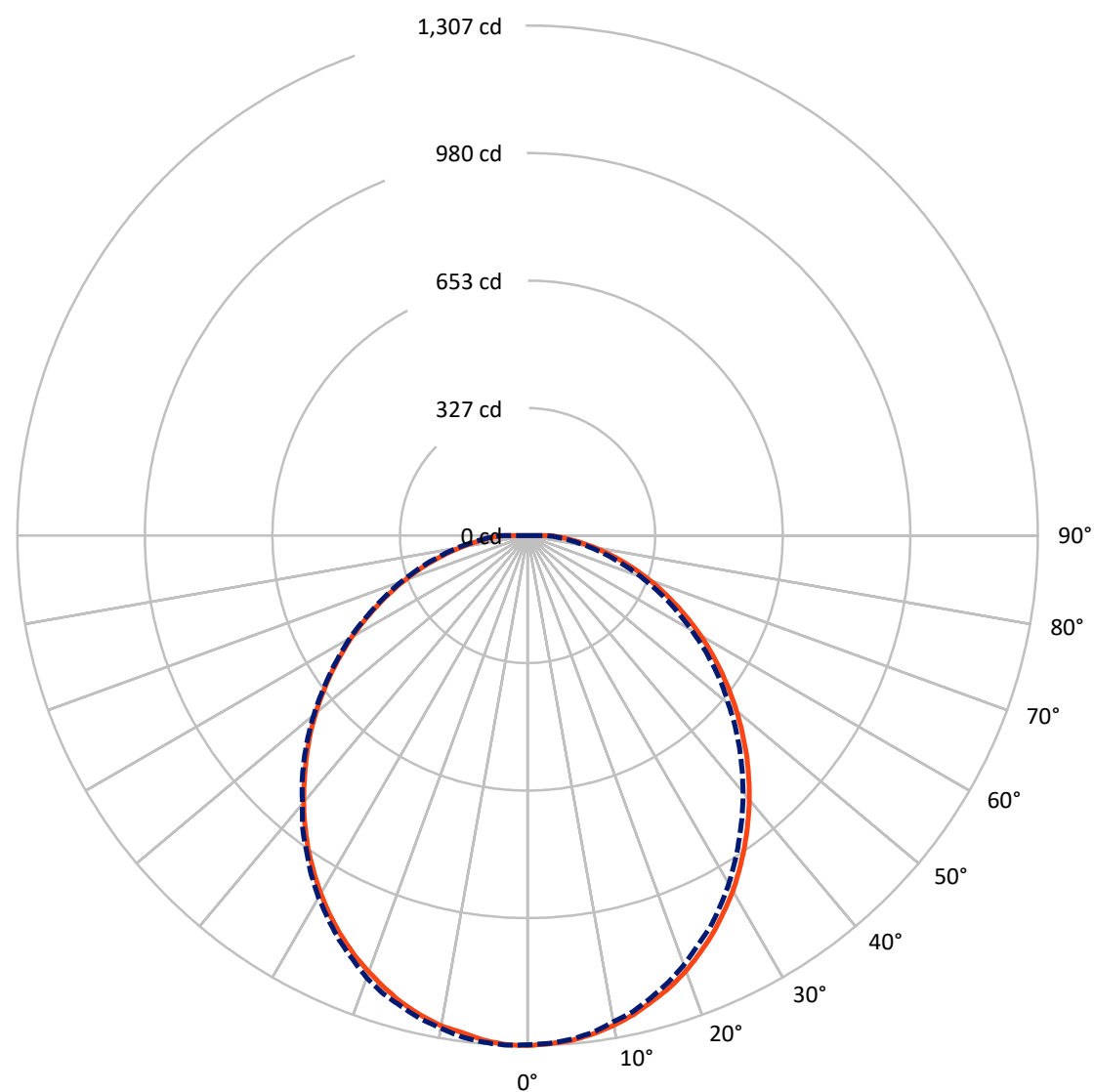
REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

Lumen Table



REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

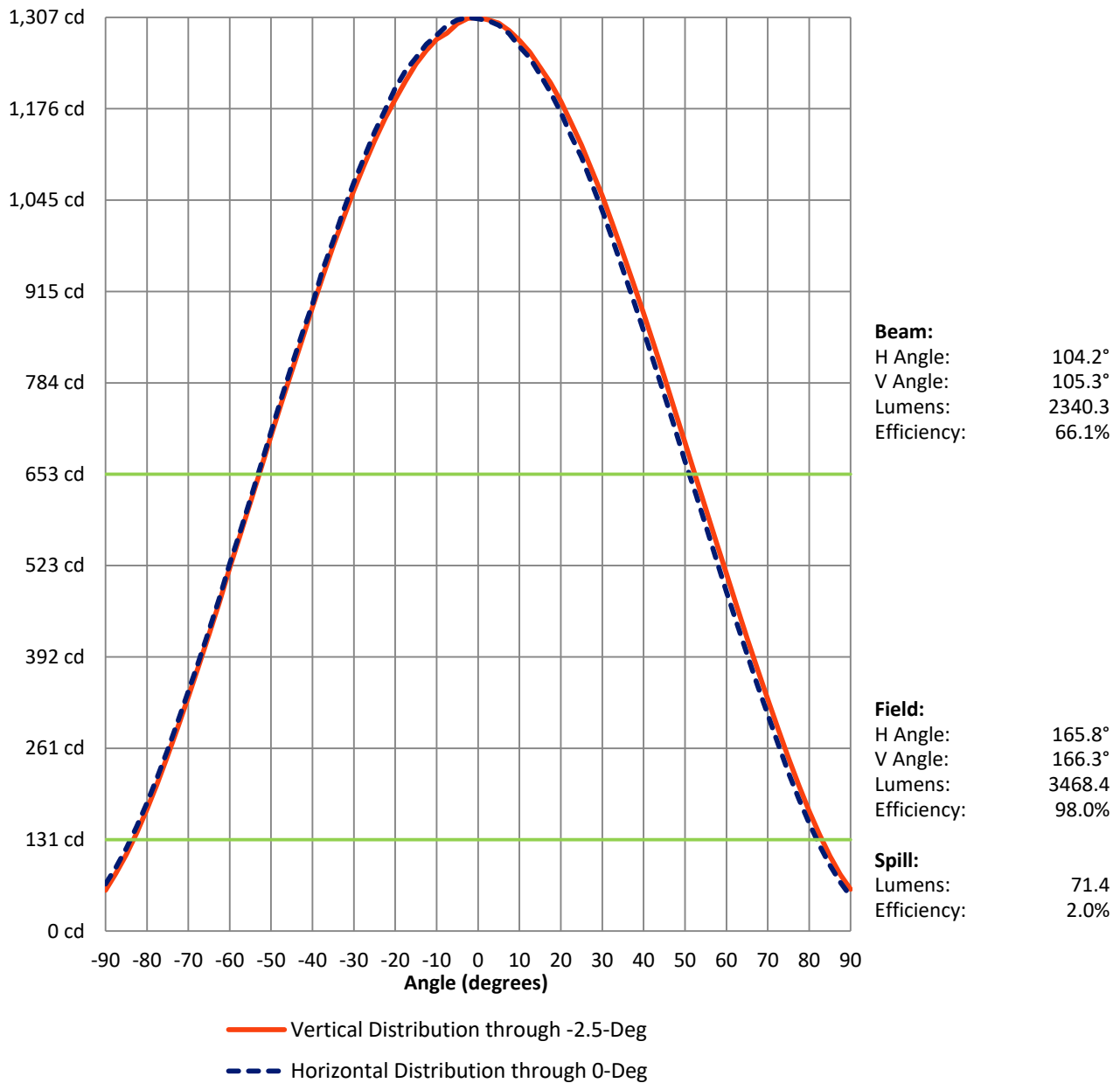
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

Luminous Intensity Plot



REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.5
87.5°	67.3	68.3	69.2	70.2	71.1	72.1	73.0	73.9	74.8	75.7	76.4
85°	67.3	69.2	71.2	73.1	75.0	77.0	79.0	81.0	82.9	84.8	86.6
82.5°	67.3	70.2	73.1	76.0	79.1	82.1	85.2	88.3	91.4	94.4	97.3
80°	67.3	71.2	75.1	79.1	83.2	87.3	91.6	95.8	100.1	104.5	108.7
77.5°	67.3	72.2	77.0	82.2	87.4	92.7	98.1	103.7	109.3	115.1	120.7
75°	67.3	73.1	79.1	85.2	91.6	98.1	104.9	111.9	118.9	126.1	133.1
72.5°	67.3	74.0	81.1	88.3	95.8	103.7	111.9	120.2	128.7	137.4	145.9
70°	67.3	75.0	83.1	91.4	100.2	109.4	118.9	128.8	138.8	148.9	159.2
67.5°	67.3	75.9	85.0	94.5	104.6	115.2	126.2	137.5	149.0	160.8	172.8
65°	67.3	76.8	87.0	97.6	109.0	121.0	133.5	146.2	159.4	172.9	186.7
62.5°	67.3	77.8	88.9	100.8	113.4	126.9	140.7	155.0	169.9	185.2	200.6
60°	67.3	78.7	90.8	103.9	117.8	132.7	148.0	164.0	180.5	197.4	214.7
57.5°	67.3	79.6	92.7	106.9	122.3	138.5	155.2	172.9	191.2	209.8	228.7
55°	67.3	80.4	94.5	110.0	126.7	144.2	162.6	181.8	201.7	222.0	242.7
52.5°	67.3	81.3	96.3	113.0	131.0	149.8	169.7	190.6	212.1	234.2	256.6
50°	67.3	82.1	98.2	115.9	135.2	155.3	176.9	199.3	222.4	246.2	270.3
47.5°	67.3	82.9	99.9	118.7	139.3	160.9	183.8	207.8	232.6	258.0	283.8
45°	67.3	83.7	101.6	121.6	143.2	166.2	190.7	216.2	242.4	269.5	297.0
42.5°	67.3	84.4	103.3	124.4	147.1	171.5	197.3	224.2	252.1	280.7	309.7
40°	67.3	85.1	104.8	127.0	150.8	176.5	203.7	232.0	261.4	291.7	322.2
37.5°	67.3	85.7	106.3	129.5	154.3	181.3	209.8	239.5	270.4	302.0	334.3
35°	67.3	86.4	107.7	131.9	157.8	186.0	215.7	246.7	279.0	311.9	345.8
32.5°	67.3	87.0	109.1	134.2	161.1	190.4	221.3	253.6	287.3	321.5	356.6
30°	67.3	87.5	110.4	136.3	164.2	194.6	226.6	260.1	295.0	330.6	366.8
27.5°	67.3	88.1	111.6	138.3	167.1	198.4	231.5	266.2	302.1	339.1	376.2
25°	67.3	88.5	112.7	140.1	169.8	202.0	236.0	271.8	308.7	346.9	385.2
22.5°	67.3	89.0	113.7	141.7	172.2	205.3	240.2	276.9	314.9	354.0	393.4
20°	67.3	89.4	114.6	143.2	174.5	208.3	244.0	281.8	320.5	360.5	400.7
17.5°	67.3	89.7	115.4	144.6	176.4	210.9	247.4	286.0	325.6	366.2	407.2
15°	67.3	90.0	116.1	145.8	178.2	213.2	250.4	289.8	330.0	371.1	413.0
12.5°	67.3	90.3	116.7	146.8	179.6	215.3	253.0	293.0	333.8	375.3	418.1
10°	67.3	90.5	117.1	147.6	180.8	216.9	255.1	295.5	337.0	378.9	422.4
7.5°	67.3	90.7	117.5	148.3	181.8	218.2	256.8	297.5	339.5	381.8	425.7
5°	67.3	90.8	117.8	148.7	182.4	219.2	258.0	299.0	341.3	383.8	428.1
2.5°	67.3	90.9	117.9	149.0	182.9	219.7	258.7	299.9	342.4	385.1	429.6
0°	67.3	90.9	118.0	149.1	183.0	219.9	259.0	300.2	342.8	385.5	430.2
-2.5°	67.3	90.9	118.0	149.0	182.9	219.8	258.9	300.1	342.7	385.4	430.1
-5°	67.3	90.8	117.8	148.8	182.5	219.3	258.3	299.4	341.9	384.5	429.1
-7.5°	67.3	90.7	117.5	148.3	181.9	218.5	257.3	298.2	340.4	382.8	427.2
-10°	67.3	90.5	117.2	147.7	181.0	217.3	255.7	296.3	338.2	380.2	424.2
-12.5°	67.3	90.3	116.7	146.9	179.9	215.7	253.8	293.9	335.4	377.0	420.3
-15°	67.3	90.1	116.1	145.9	178.4	213.7	251.3	290.9	331.9	373.1	415.5
-17.5°	67.3	89.8	115.5	144.7	176.7	211.4	248.4	287.4	327.7	368.4	410.1
-20°	67.3	89.4	114.7	143.4	174.8	208.9	245.1	283.2	322.9	363.1	403.9

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	67.3	89.0	113.8	141.9	172.6	205.9	241.4	278.6	317.4	357.0	397.0
-25°	67.3	88.6	112.8	140.3	170.2	202.7	237.3	273.6	311.3	350.2	389.0
-27.5°	67.3	88.1	111.7	138.5	167.5	199.1	232.7	268.1	304.7	342.8	380.1
-30°	67.3	87.6	110.5	136.5	164.7	195.2	227.8	262.2	297.7	334.6	370.9
-32.5°	67.3	87.0	109.2	134.4	161.6	191.1	222.6	255.8	290.0	325.7	361.1
-35°	67.3	86.4	107.9	132.2	158.3	186.7	217.0	248.9	281.9	316.0	350.8
-37.5°	67.3	85.8	106.4	129.8	154.9	182.1	211.1	241.7	273.4	305.9	339.7
-40°	67.3	85.1	105.0	127.3	151.3	177.3	204.9	234.1	264.6	295.3	327.9
-42.5°	67.3	84.4	103.4	124.6	147.6	172.3	198.4	226.2	255.2	284.5	314.9
-45°	67.3	83.7	101.8	121.9	143.7	167.1	191.8	218.0	245.4	273.4	301.8
-47.5°	67.3	82.9	100.1	119.0	139.8	161.7	185.0	209.6	235.3	262.0	288.5
-50°	67.3	82.1	98.3	116.2	135.7	156.1	178.1	200.8	224.9	250.0	275.0
-52.5°	67.3	81.3	96.5	113.3	131.4	150.6	170.9	192.1	214.4	237.5	261.4
-55°	67.3	80.5	94.7	110.3	127.1	144.9	163.7	183.3	203.7	225.0	247.1
-57.5°	67.3	79.6	92.8	107.2	122.7	139.2	156.3	174.4	193.0	212.4	232.3
-60°	67.3	78.7	91.0	104.2	118.2	133.3	149.0	165.4	182.4	199.6	217.9
-62.5°	67.3	77.8	89.0	101.1	113.9	127.5	141.6	156.4	171.6	187.3	203.2
-65°	67.3	76.9	87.1	97.9	109.4	121.6	134.3	147.4	161.0	174.9	189.1
-67.5°	67.3	75.9	85.1	94.7	105.0	115.8	127.0	138.5	150.4	162.7	175.1
-70°	67.3	75.0	83.1	91.6	100.6	110.0	119.7	129.7	140.0	150.6	161.4
-72.5°	67.3	74.1	81.2	88.5	96.1	104.3	112.6	121.1	129.8	138.7	147.7
-75°	67.3	73.1	79.2	85.3	91.9	98.6	105.5	112.7	120.0	127.3	134.7
-77.5°	67.3	72.2	77.1	82.3	87.6	93.0	98.7	104.4	110.3	116.3	122.1
-80°	67.3	71.2	75.2	79.2	83.4	87.6	92.0	96.4	101.0	105.5	110.0
-82.5°	67.3	70.3	73.2	76.2	79.3	82.4	85.4	88.6	91.9	95.2	98.3
-85°	67.3	69.3	71.3	73.2	75.2	77.2	79.2	81.3	83.3	85.2	87.2
-87.5°	67.3	68.3	69.3	70.3	71.3	72.3	73.3	74.2	75.2	76.1	77.0
-90°	67.3	67.3	67.3	67.3	67.3	67.2	67.2	67.2	67.2	67.2	66.9

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	67.5	67.4	67.4	67.3	67.3	67.2	67.2	67.1	66.7	66.3	65.8
87.5°	77.0	77.7	78.3	78.9	79.5	80.0	80.5	81.0	81.4	81.8	82.2
85°	88.2	89.9	91.5	93.1	94.6	96.1	97.6	99.0	100.4	101.6	102.8
82.5°	100.1	102.9	105.7	108.5	111.2	113.8	116.3	118.8	121.3	123.6	125.7
80°	112.8	116.9	121.0	125.0	129.0	132.9	136.7	140.3	144.0	147.5	150.8
77.5°	126.2	131.6	137.1	142.5	147.9	153.2	158.4	163.4	168.3	173.0	177.5
75°	140.0	147.1	154.0	161.0	167.9	174.7	181.2	187.7	193.8	200.1	206.0
72.5°	154.4	163.1	171.7	180.3	188.7	197.0	205.2	213.1	220.9	228.5	235.7
70°	169.4	179.7	190.0	200.1	210.2	220.2	230.0	239.5	249.3	258.7	267.4
67.5°	184.7	196.6	208.7	220.6	232.4	244.2	256.1	267.6	278.8	289.2	299.3
65°	200.3	214.0	227.7	241.4	255.4	269.1	282.5	295.6	308.3	320.1	331.7
62.5°	216.1	231.5	247.2	262.9	278.5	293.8	308.9	323.4	337.8	351.5	364.6
60°	231.9	249.3	266.8	284.3	301.6	318.5	335.4	351.8	367.7	382.9	397.6
57.5°	247.8	267.1	286.3	305.5	324.5	343.5	362.0	380.0	397.6	414.8	430.9
55°	263.7	284.7	305.6	326.7	347.7	368.3	388.4	408.4	427.6	446.5	464.6
52.5°	279.3	302.0	324.9	347.8	370.5	392.7	414.9	436.5	457.7	478.4	498.3
50°	294.7	319.2	344.0	368.6	392.9	417.2	441.0	464.5	487.7	510.1	531.3
47.5°	309.8	336.3	362.7	389.0	415.2	441.1	466.9	492.5	517.4	541.2	563.9
45°	324.8	352.8	381.0	409.0	436.9	464.7	492.7	520.2	546.4	571.7	596.2
42.5°	339.3	369.0	398.7	428.5	458.2	488.1	518.3	546.8	574.6	601.6	627.7
40°	353.4	384.6	416.0	447.3	478.9	511.6	542.5	572.7	602.3	630.9	658.8
37.5°	366.8	399.6	432.6	465.6	499.9	533.5	566.0	597.9	628.9	659.5	689.2
35°	379.6	413.9	448.5	483.3	520.1	554.5	588.6	621.9	655.0	687.2	718.5
32.5°	391.9	427.8	463.9	501.2	538.3	574.4	610.1	645.3	679.9	713.8	746.7
30°	403.4	440.8	478.3	518.2	556.0	593.6	630.5	667.4	703.7	739.1	773.4
27.5°	414.2	453.1	492.4	533.4	572.2	611.4	650.2	688.5	726.2	763.0	798.6
25°	424.5	464.6	506.0	547.3	587.6	627.8	668.1	708.0	747.2	785.4	822.4
22.5°	433.9	474.9	518.6	560.1	602.0	643.3	684.9	726.2	766.5	805.8	844.4
20°	442.4	484.1	529.5	571.5	614.5	657.7	700.4	742.7	784.5	824.9	864.8
17.5°	450.1	493.4	539.1	581.9	625.8	669.7	714.1	757.6	800.2	841.7	882.7
15°	456.9	501.5	547.4	591.6	635.8	680.9	726.3	770.9	814.0	856.8	898.2
12.5°	462.7	508.5	554.4	599.9	645.0	691.0	736.8	782.7	826.1	869.7	911.9
10°	467.5	514.3	560.1	606.2	652.7	699.1	745.6	792.5	835.9	880.8	923.6
7.5°	471.1	518.9	564.6	611.2	658.5	705.5	752.6	799.5	843.6	888.2	933.1
5°	473.7	522.3	567.9	614.8	662.4	710.1	757.7	804.6	849.3	893.2	940.1
2.5°	475.3	524.4	569.9	617.0	664.8	713.1	761.0	807.8	852.9	895.9	944.6
0°	475.9	525.3	570.6	617.8	665.7	714.3	762.3	809.1	854.2	896.6	946.4
-2.5°	475.9	524.9	570.5	617.6	665.5	713.9	762.0	808.6	853.9	896.7	945.3
-5°	474.8	523.3	569.0	616.0	663.8	711.8	759.8	806.2	851.3	894.8	941.6
-7.5°	472.7	520.4	566.3	613.0	660.6	707.9	755.9	801.9	846.6	890.7	935.5
-10°	469.6	516.2	562.3	608.6	655.5	702.4	749.7	795.6	839.6	884.4	926.8
-12.5°	465.3	510.9	557.1	602.6	648.7	695.0	741.4	786.7	830.2	874.4	915.9
-15°	460.1	504.5	550.5	595.1	640.5	685.8	731.4	776.0	819.1	862.7	903.0
-17.5°	453.9	497.4	542.6	586.2	630.9	675.3	720.2	764.9	806.1	849.0	889.1
-20°	446.8	489.4	533.5	576.4	619.9	663.5	707.2	751.2	790.9	831.7	872.8

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	438.8	480.3	523.1	565.5	607.3	650.3	692.6	734.2	774.8	814.2	853.6
-25°	429.6	469.9	511.0	552.8	593.8	635.7	676.4	717.0	758.6	794.3	831.4
-27.5°	419.2	459.3	499.2	539.2	579.4	619.0	658.6	698.2	736.2	774.0	809.8
-30°	408.6	447.8	486.3	524.6	563.4	601.0	640.5	677.7	714.6	751.4	785.7
-32.5°	397.4	435.3	471.3	508.3	545.4	583.3	619.7	656.0	691.6	726.0	760.6
-35°	385.0	420.7	457.2	493.7	527.9	563.6	598.2	633.5	667.0	700.2	732.0
-37.5°	372.4	406.5	441.9	474.6	508.4	542.4	576.5	608.8	641.9	673.1	703.5
-40°	359.4	391.5	424.5	457.2	489.7	520.8	552.8	584.4	615.0	645.2	674.0
-42.5°	345.9	375.7	406.9	438.7	467.8	499.1	528.6	558.7	587.5	615.9	643.3
-45°	331.8	360.1	388.6	417.6	447.3	474.7	503.9	531.6	559.6	585.8	611.7
-47.5°	316.1	344.0	370.2	397.5	424.7	451.6	477.5	504.5	529.8	555.7	579.5
-50°	300.3	326.8	351.9	376.6	402.0	427.2	451.7	475.4	500.3	523.6	546.6
-52.5°	284.7	308.5	333.0	356.0	378.9	402.2	425.2	447.5	468.9	491.1	512.3
-55°	269.1	290.5	312.6	335.0	356.1	377.2	398.1	418.8	439.1	457.8	476.4
-57.5°	252.9	272.9	292.6	312.7	333.0	352.2	371.3	390.0	408.3	426.2	442.5
-60°	236.2	254.9	273.0	290.9	309.0	327.0	344.3	361.3	377.9	393.6	408.2
-62.5°	219.9	236.4	253.1	269.4	285.4	301.4	317.1	332.5	347.2	361.3	374.6
-65°	203.4	218.3	232.8	247.7	262.2	276.3	290.2	303.9	317.0	329.0	340.6
-67.5°	187.7	200.2	213.3	226.0	238.8	251.4	263.7	275.5	287.1	297.8	307.7
-70°	172.1	183.0	193.9	204.9	216.1	226.7	237.2	247.6	257.4	266.4	275.0
-72.5°	156.9	166.1	175.3	184.4	193.6	202.6	211.8	220.5	228.4	235.7	242.7
-75°	142.0	149.6	157.1	164.7	172.2	179.6	186.7	193.9	200.4	206.4	212.0
-77.5°	128.0	133.9	139.8	145.6	151.5	157.3	163.1	168.8	173.7	178.2	182.3
-80°	114.5	118.9	123.4	127.8	132.2	136.5	140.6	144.6	148.2	151.5	154.5
-82.5°	101.5	104.6	107.7	110.8	113.9	116.8	119.8	122.7	125.0	127.1	129.1
-85°	89.3	91.2	93.1	95.0	96.8	98.6	100.4	102.1	103.2	104.3	105.3
-87.5°	77.9	78.8	79.6	80.5	81.3	82.1	82.9	83.6	83.9	84.1	84.2
-90°	66.7	66.4	66.1	65.9	65.6	65.3	65.1	64.8	64.5	64.3	64.0

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	65.4	65.0	64.6	64.1	63.7	63.3	62.9	62.4	62.0	61.5	61.1
87.5°	82.5	82.9	83.1	83.4	83.6	83.7	83.6	83.3	83.1	82.7	82.4
85°	104.0	105.0	106.0	106.9	107.7	108.4	108.7	108.8	108.8	108.8	108.6
82.5°	127.8	129.8	131.6	133.3	134.8	136.2	137.0	137.7	138.2	138.5	138.7
80°	153.9	156.9	159.6	162.1	164.4	166.6	168.1	169.4	170.4	171.1	171.6
77.5°	181.8	185.8	189.6	193.2	196.7	199.8	202.3	204.3	205.9	207.1	207.9
75°	211.7	217.0	222.0	226.7	231.0	235.0	238.1	240.8	243.0	244.8	246.2
72.5°	242.9	249.7	256.0	261.7	266.8	271.5	275.5	278.8	281.7	284.2	286.2
70°	275.6	283.3	290.5	297.3	303.6	309.4	314.5	318.9	322.7	325.8	328.2
67.5°	308.9	317.9	326.5	334.6	342.0	348.7	354.6	359.8	364.2	367.8	370.7
65°	342.8	353.2	363.1	372.2	380.7	388.5	395.3	401.2	406.4	410.7	414.1
62.5°	377.0	388.8	400.0	410.4	420.0	429.0	437.3	444.3	450.1	455.0	458.8
60°	411.7	424.9	437.7	449.5	460.3	470.2	479.1	487.4	494.4	500.2	504.8
57.5°	446.7	461.5	475.5	488.9	501.5	513.2	523.9	532.9	539.9	545.7	550.4
55°	481.9	498.6	514.3	529.3	542.9	554.9	566.0	575.6	583.7	590.6	596.2
52.5°	517.1	535.4	552.2	567.9	582.6	596.3	609.0	619.8	628.2	636.0	642.4
50°	551.7	571.2	589.6	607.0	623.2	638.2	652.1	663.6	673.7	682.6	689.3
47.5°	585.9	606.9	626.9	646.0	663.4	679.9	695.1	708.0	717.7	726.7	734.3
45°	619.5	642.3	664.0	684.6	703.8	720.2	735.7	750.0	762.3	772.2	780.4
42.5°	652.8	677.4	700.7	722.0	742.2	761.1	778.1	793.3	806.4	816.9	825.0
40°	685.8	711.7	736.2	759.4	781.2	800.9	819.1	834.7	848.5	859.9	869.2
37.5°	717.8	745.2	771.2	795.6	818.6	839.5	858.4	875.4	891.5	902.4	911.9
35°	748.7	777.5	804.6	830.8	855.0	877.1	897.5	915.0	931.5	944.9	953.8
32.5°	778.3	808.4	837.4	864.8	889.9	913.2	935.0	953.5	969.3	983.7	994.9
30°	806.3	838.3	868.7	896.6	923.4	948.5	970.1	990.4	1008.4	1024.1	1034.5
27.5°	833.2	866.6	897.8	927.6	955.6	981.3	1004.7	1026.0	1042.6	1057.1	1069.7
25°	858.6	892.8	925.6	956.8	985.8	1012.1	1036.2	1057.1	1075.9	1092.2	1103.8
22.5°	881.7	917.4	951.7	983.7	1013.4	1040.4	1065.5	1087.9	1106.5	1123.5	1137.4
20°	903.2	940.1	975.0	1008.1	1038.6	1067.0	1092.8	1115.1	1135.5	1152.6	1165.5
17.5°	922.4	960.4	996.3	1030.1	1061.7	1090.8	1116.8	1140.4	1160.7	1177.9	1191.3
15°	939.5	978.1	1015.1	1049.6	1082.0	1111.9	1138.8	1162.4	1183.5	1201.1	1214.8
12.5°	954.4	993.1	1031.1	1066.7	1099.9	1130.1	1157.2	1181.9	1203.2	1221.4	1236.3
10°	966.7	1005.8	1044.6	1080.4	1114.7	1145.3	1173.2	1198.2	1219.9	1238.4	1252.6
7.5°	976.0	1015.9	1055.1	1091.2	1125.8	1157.6	1185.5	1211.5	1233.0	1251.0	1265.9
5°	982.1	1023.5	1063.1	1099.0	1134.4	1167.4	1195.0	1220.4	1242.4	1260.9	1276.0
2.5°	985.7	1028.5	1068.3	1104.4	1140.1	1172.0	1201.9	1227.0	1247.3	1266.1	1281.0
0°	987.0	1030.6	1070.5	1106.5	1142.6	1173.6	1205.5	1230.4	1249.0	1268.1	1281.2
-2.5°	986.5	1029.3	1069.0	1105.2	1140.8	1172.3	1202.5	1227.6	1247.9	1266.1	1280.8
-5°	983.7	1024.9	1064.2	1101.0	1135.9	1167.9	1196.6	1222.1	1245.2	1260.9	1276.4
-7.5°	978.5	1018.2	1055.7	1093.3	1128.3	1159.9	1188.0	1213.7	1235.1	1253.2	1267.5
-10°	969.9	1009.6	1046.6	1081.7	1117.1	1149.0	1176.0	1200.9	1223.2	1242.5	1257.3
-12.5°	957.8	997.6	1035.6	1070.9	1105.0	1134.8	1162.0	1187.9	1207.2	1226.9	1240.0
-15°	944.2	983.2	1020.0	1052.4	1086.4	1117.7	1145.4	1170.0	1192.0	1205.3	1218.5
-17.5°	928.4	966.3	1003.7	1037.5	1068.0	1099.1	1124.7	1148.8	1169.4	1184.9	1196.1
-20°	910.4	947.2	983.7	1017.0	1047.5	1075.0	1103.2	1124.0	1142.9	1157.7	1172.2

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	890.8	926.4	960.2	994.6	1024.6	1052.1	1075.1	1097.9	1115.0	1129.5	1140.7
-25°	869.2	903.5	936.4	968.1	999.0	1025.6	1047.8	1067.5	1085.7	1099.5	1110.4
-27.5°	843.9	878.9	910.4	940.3	969.1	995.3	1016.6	1035.4	1054.2	1068.4	1078.9
-30°	819.1	850.1	882.8	911.5	937.2	960.5	983.3	1001.7	1017.6	1030.9	1042.9
-32.5°	792.5	822.8	850.3	880.2	904.4	927.0	946.5	965.1	980.8	993.5	1004.4
-35°	763.6	793.8	821.3	844.2	868.9	890.8	910.2	927.7	941.7	954.1	964.6
-37.5°	732.7	761.0	788.4	811.8	831.9	852.2	870.3	887.4	901.6	914.3	923.1
-40°	701.5	727.9	752.0	775.4	796.4	814.9	831.0	846.9	858.6	869.4	879.0
-42.5°	669.8	693.5	716.0	737.2	756.9	775.6	791.4	805.4	817.4	827.6	835.6
-45°	636.6	658.6	679.2	698.7	717.4	734.3	749.5	763.1	774.6	783.7	790.9
-47.5°	601.7	622.9	642.0	660.1	676.8	692.2	706.6	719.6	730.1	738.7	745.5
-50°	567.1	585.8	604.0	621.1	636.6	650.6	663.0	674.4	684.2	692.2	698.8
-52.5°	530.6	549.3	565.9	581.1	595.4	608.6	620.3	630.7	639.4	646.3	651.9
-55°	494.6	511.4	526.4	541.1	554.5	566.5	577.0	586.3	594.2	600.7	605.9
-57.5°	458.0	472.7	487.5	500.7	512.5	523.4	533.3	541.9	549.2	555.1	559.6
-60°	422.5	436.0	448.8	460.5	470.8	481.1	490.5	497.4	503.5	508.8	513.1
-62.5°	387.1	398.7	409.9	420.4	430.4	439.6	448.0	454.2	458.9	462.8	465.9
-65°	351.8	362.4	372.4	381.7	389.9	397.3	404.0	409.5	414.2	418.1	421.1
-67.5°	317.1	325.9	334.5	342.7	350.1	356.8	362.6	367.4	371.4	374.6	376.9
-70°	283.2	291.1	298.4	305.1	311.2	316.5	321.0	324.7	328.2	331.0	333.0
-72.5°	249.5	256.2	262.4	268.0	273.1	277.8	281.7	285.0	287.6	289.7	291.1
-75°	217.3	222.3	227.0	231.3	235.2	238.7	241.8	244.7	247.0	248.8	250.1
-77.5°	186.4	190.2	193.8	197.1	200.0	202.6	204.8	206.7	208.3	209.6	210.5
-80°	157.5	160.3	162.9	165.3	167.5	169.2	170.7	171.9	172.9	173.6	174.1
-82.5°	130.9	132.5	134.1	135.4	136.7	137.7	138.6	139.3	139.8	140.2	140.4
-85°	106.3	107.1	107.9	108.6	109.2	109.6	109.9	110.1	110.2	110.3	110.2
-87.5°	84.4	84.5	84.6	84.6	84.6	84.6	84.5	84.3	84.2	83.9	83.6
-90°	63.7	63.5	63.2	62.9	62.7	62.4	61.9	61.4	60.9	60.4	59.8

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	60.6	60.2	59.7	59.3	58.7	58.2	57.6	57.1	56.5	56.0	55.4
87.5°	81.9	81.5	81.0	80.4	79.9	79.4	78.9	78.3	77.6	76.9	76.2
85°	108.3	107.9	107.4	106.8	106.2	105.5	104.8	103.9	102.9	101.8	100.6
82.5°	138.6	138.4	138.0	137.4	136.7	135.8	134.7	133.5	132.0	130.4	128.7
80°	171.9	171.8	171.5	170.9	170.1	169.0	167.7	166.0	164.2	162.0	159.7
77.5°	208.4	208.6	208.3	207.8	206.8	205.5	203.9	201.9	199.5	196.9	193.9
75°	247.1	247.5	247.5	247.0	245.9	244.3	242.2	239.7	236.8	233.4	229.7
72.5°	287.7	288.6	289.0	288.7	287.3	285.4	282.9	279.8	276.1	272.0	267.5
70°	330.0	331.0	331.4	331.1	329.6	327.4	324.6	321.2	317.2	312.5	307.2
67.5°	372.9	374.2	374.7	374.5	373.0	370.7	367.6	363.9	359.3	353.9	347.6
65°	416.6	418.1	418.8	418.6	417.0	414.6	411.2	406.9	401.8	395.8	388.8
62.5°	461.8	463.8	464.7	464.6	462.8	460.0	456.1	451.1	445.3	438.5	430.6
60°	508.2	510.4	511.4	511.2	509.3	506.2	501.9	496.3	489.5	481.8	473.4
57.5°	554.0	556.3	557.4	557.2	555.5	552.5	548.2	542.7	535.8	527.6	518.1
55°	600.4	603.1	604.3	604.1	602.2	598.8	593.9	587.6	579.9	571.2	561.5
52.5°	646.9	649.8	651.2	651.0	649.0	645.4	640.2	633.3	625.0	615.2	604.6
50°	694.1	697.3	698.8	698.5	696.4	692.6	687.2	680.2	671.5	660.9	648.7
47.5°	740.0	743.5	745.2	745.0	743.0	739.2	733.7	725.8	715.7	704.1	691.5
45°	786.5	790.5	792.6	792.6	790.2	785.9	779.8	771.9	761.5	748.8	734.7
42.5°	831.1	835.7	838.3	838.6	835.7	830.6	823.4	815.1	804.9	792.0	777.3
40°	876.5	881.2	883.4	883.2	880.8	876.2	869.1	859.6	847.4	832.9	817.1
37.5°	919.3	924.3	926.7	926.6	923.6	917.9	909.9	900.9	889.8	875.9	858.0
35°	961.4	966.7	969.3	969.3	966.3	960.8	952.8	942.5	930.3	912.9	896.2
32.5°	1003.2	1008.5	1010.9	1010.4	1007.4	1001.6	993.1	982.0	967.9	951.8	933.9
30°	1042.2	1048.3	1051.8	1052.4	1048.5	1041.7	1032.1	1020.5	1006.6	989.1	969.6
27.5°	1079.2	1085.5	1087.8	1087.6	1084.3	1078.1	1068.6	1056.8	1040.8	1023.2	1004.2
25°	1114.4	1120.7	1124.0	1124.0	1120.5	1113.8	1103.8	1090.6	1074.8	1056.9	1035.3
22.5°	1147.4	1152.7	1155.7	1155.7	1152.2	1145.6	1135.7	1122.6	1106.5	1086.7	1065.3
20°	1175.6	1182.4	1186.8	1188.1	1184.0	1176.1	1165.2	1151.8	1134.8	1114.7	1091.9
17.5°	1203.6	1209.2	1213.2	1213.6	1209.7	1202.1	1191.5	1178.8	1160.7	1140.7	1115.6
15°	1225.3	1233.0	1235.1	1235.3	1231.5	1224.6	1213.5	1200.1	1182.7	1162.4	1138.3
12.5°	1245.7	1252.9	1256.9	1257.5	1253.1	1246.1	1234.9	1219.7	1201.8	1179.9	1156.4
10°	1263.3	1269.0	1273.7	1274.8	1269.1	1263.3	1251.0	1236.5	1218.1	1196.9	1169.7
7.5°	1276.9	1284.6	1287.8	1288.0	1282.3	1276.3	1265.1	1249.6	1231.3	1208.3	1180.9
5°	1287.2	1294.1	1298.4	1297.5	1291.0	1286.9	1274.8	1259.7	1239.9	1218.1	1192.4
2.5°	1292.8	1299.9	1303.1	1301.4	1298.7	1290.2	1279.2	1264.5	1246.8	1223.5	1197.9
0°	1295.2	1303.0	1306.7	1304.7	1301.9	1295.4	1283.4	1264.9	1248.7	1224.7	1199.6
-2.5°	1293.1	1301.4	1305.2	1301.7	1298.2	1290.2	1279.2	1263.0	1245.8	1222.3	1197.3
-5°	1287.9	1294.9	1297.6	1297.7	1291.2	1284.4	1272.6	1257.4	1238.4	1216.4	1191.3
-7.5°	1278.8	1284.4	1284.2	1287.8	1284.4	1273.8	1263.7	1248.5	1229.6	1207.4	1182.1
-10°	1265.7	1272.7	1275.3	1275.7	1270.7	1262.8	1251.1	1236.3	1217.8	1195.7	1170.9
-12.5°	1249.1	1255.7	1259.3	1258.6	1254.1	1246.4	1235.9	1220.2	1202.0	1180.5	1156.1
-15°	1230.0	1236.5	1240.0	1240.9	1236.0	1226.6	1214.8	1201.0	1183.4	1162.2	1138.2
-17.5°	1203.2	1211.4	1215.7	1216.1	1211.6	1204.0	1192.7	1181.0	1161.7	1140.8	1116.8
-20°	1179.3	1186.2	1189.5	1188.8	1186.4	1179.8	1168.1	1154.1	1135.9	1115.5	1092.9

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1149.7	1156.9	1161.7	1162.4	1157.6	1149.3	1137.8	1123.3	1106.9	1087.8	1066.9
-25°	1119.3	1126.0	1130.2	1131.2	1125.7	1116.9	1105.4	1091.2	1077.2	1059.5	1037.2
-27.5°	1086.9	1092.3	1095.8	1096.3	1091.3	1083.5	1073.8	1061.2	1044.2	1026.2	1006.3
-30°	1051.5	1056.8	1059.4	1059.0	1054.4	1046.8	1036.6	1024.9	1010.3	991.4	970.9
-32.5°	1011.7	1016.8	1019.6	1019.7	1015.5	1008.3	998.2	984.8	970.4	954.7	936.0
-35°	972.1	977.0	979.6	979.7	975.4	968.3	958.6	946.7	933.2	916.5	898.9
-37.5°	929.5	934.0	936.3	936.1	932.1	925.5	916.5	905.6	892.3	875.6	859.5
-40°	885.7	890.0	892.1	891.7	887.7	881.5	873.2	862.9	850.7	836.7	820.6
-42.5°	841.0	844.3	845.7	845.2	842.0	836.7	829.4	819.6	806.8	793.0	778.6
-45°	796.2	799.4	800.6	799.9	796.7	791.6	784.6	775.8	764.5	750.8	736.5
-47.5°	750.5	753.9	755.4	754.9	751.5	746.2	739.2	730.6	720.3	708.3	694.9
-50°	703.8	707.0	708.4	708.0	704.9	700.1	693.4	685.1	675.5	665.0	652.6
-52.5°	656.1	659.0	660.2	659.9	657.1	652.7	646.7	639.2	630.4	620.1	607.8
-55°	609.7	612.0	613.0	612.5	609.7	605.5	599.9	592.9	584.6	575.1	564.1
-57.5°	562.9	565.0	565.8	565.3	562.7	558.7	553.4	546.8	539.4	530.8	520.9
-60°	516.4	518.4	519.3	518.9	516.4	512.6	507.8	501.8	494.8	486.8	477.9
-62.5°	468.4	469.7	470.0	469.2	467.2	464.2	460.1	454.8	448.8	442.0	434.2
-65°	423.1	424.1	424.2	423.3	421.5	418.7	415.0	410.4	404.9	398.5	391.3
-67.5°	378.4	379.2	379.2	378.4	376.6	374.1	370.8	366.7	361.9	356.3	349.9
-70°	334.3	334.9	334.7	333.9	332.3	330.0	327.0	323.4	319.2	314.4	309.0
-72.5°	292.0	292.2	292.0	291.1	289.6	287.6	285.1	281.9	278.3	274.0	269.1
-75°	250.8	251.0	250.7	249.9	248.4	246.5	244.0	241.2	237.9	234.1	229.9
-77.5°	211.0	211.2	210.9	210.3	209.0	207.3	205.3	202.9	200.1	197.0	193.7
-80°	174.3	174.3	174.0	173.5	172.3	170.9	169.2	167.2	165.0	162.5	159.8
-82.5°	140.4	140.2	139.9	139.3	138.3	137.1	135.7	134.2	132.5	130.6	128.5
-85°	110.0	109.6	109.2	108.7	107.8	106.9	105.8	104.6	103.3	102.0	100.5
-87.5°	83.3	82.9	82.5	82.1	81.3	80.6	79.8	78.9	78.1	77.1	76.2
-90°	59.3	58.8	58.3	57.8	57.4	57.1	56.7	56.4	56.0	55.7	55.3

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	54.9	54.3	54.0	53.7	53.3	53.0	52.7	52.4	52.0	51.7	51.4
87.5°	75.4	74.6	73.7	72.8	71.9	70.9	69.9	68.9	67.9	66.9	65.8
85°	99.3	98.0	96.5	95.0	93.4	91.7	90.0	88.2	86.3	84.4	82.4
82.5°	126.7	124.7	122.5	120.1	117.6	115.0	112.3	109.5	106.7	103.8	100.8
80°	157.0	154.1	151.0	147.9	144.5	141.0	137.3	133.4	129.3	125.1	120.8
77.5°	190.6	186.9	182.9	178.5	173.9	169.2	164.2	159.0	153.7	148.2	142.7
75°	225.5	221.0	216.0	210.6	204.9	199.2	193.2	186.7	179.9	172.7	165.9
72.5°	262.6	257.2	251.4	244.9	238.0	230.8	223.3	215.4	207.2	198.8	190.6
70°	301.2	294.8	288.0	280.5	272.5	264.1	255.3	245.9	235.9	225.9	216.2
67.5°	340.6	333.1	325.1	316.7	307.8	298.2	288.3	277.7	266.4	254.8	243.0
65°	380.9	372.4	363.8	354.5	343.7	332.3	321.1	309.3	296.6	284.0	270.8
62.5°	421.9	413.1	403.1	392.0	380.2	367.7	355.2	341.2	326.8	313.0	297.9
60°	464.1	453.7	442.3	430.4	417.8	404.2	389.1	373.7	358.2	342.0	325.3
57.5°	507.2	495.2	482.4	469.2	454.8	439.7	424.2	407.7	389.5	371.4	353.5
55°	550.5	538.3	524.0	508.6	492.6	476.1	458.1	440.0	421.7	402.0	381.0
52.5°	592.2	578.3	563.5	547.7	531.0	511.8	492.7	473.5	452.0	431.2	409.6
50°	634.7	619.6	603.4	586.0	567.4	547.4	527.5	505.0	483.4	460.2	436.7
47.5°	677.3	661.3	643.6	624.0	604.0	583.1	560.6	537.7	513.6	488.8	463.9
45°	718.6	700.9	681.9	662.4	640.9	617.2	593.7	569.8	543.6	517.9	489.8
42.5°	761.0	741.2	720.8	699.2	675.5	652.2	626.1	600.3	573.7	545.1	517.0
40°	800.7	780.3	759.5	735.2	710.8	684.2	658.4	630.8	602.0	572.9	542.1
37.5°	838.6	817.4	796.3	771.0	744.5	716.9	689.1	660.0	629.9	598.8	567.2
35°	877.4	854.3	830.8	804.9	777.6	748.8	718.9	688.1	656.5	624.0	590.4
32.5°	911.7	890.1	864.8	837.3	808.6	779.1	747.7	715.4	681.9	647.7	613.2
30°	947.2	923.4	895.6	869.1	838.4	807.4	774.6	740.7	706.1	670.8	634.0
27.5°	980.9	954.9	927.6	897.1	867.7	833.9	800.4	764.7	728.5	691.0	653.8
25°	1011.8	985.1	956.8	926.5	894.0	860.0	822.3	787.3	750.1	712.1	673.4
22.5°	1040.6	1012.9	983.7	952.1	918.9	884.8	847.2	808.1	768.5	729.3	688.7
20°	1067.5	1039.1	1008.5	976.0	941.6	905.4	867.3	824.7	786.3	746.5	705.4
17.5°	1090.0	1063.1	1030.4	997.3	961.7	924.8	886.8	845.8	803.7	761.1	719.7
15°	1111.6	1080.5	1050.6	1014.6	978.8	941.4	902.4	860.0	815.6	774.5	731.2
12.5°	1128.2	1099.3	1068.2	1031.1	994.5	955.7	915.5	873.9	829.1	786.1	741.6
10°	1142.9	1113.6	1078.6	1045.4	1007.0	968.4	927.3	884.7	841.6	796.0	750.2
7.5°	1154.8	1123.5	1091.4	1056.6	1017.1	977.4	935.7	893.0	849.1	803.7	757.2
5°	1163.4	1131.0	1100.3	1063.9	1024.6	983.9	941.5	898.7	854.4	808.6	762.5
2.5°	1168.6	1135.7	1105.3	1067.6	1029.0	987.8	944.9	902.0	857.5	811.6	765.8
0°	1170.8	1136.9	1106.6	1068.7	1030.4	988.9	945.8	902.9	858.5	812.6	766.9
-2.5°	1169.0	1135.6	1104.5	1066.9	1028.6	987.5	944.6	901.6	857.4	811.6	765.8
-5°	1163.7	1130.9	1099.2	1061.9	1024.0	983.4	940.8	897.8	853.9	808.5	762.4
-7.5°	1154.3	1123.1	1090.9	1054.0	1016.5	976.6	934.4	891.5	848.2	803.3	757.1
-10°	1142.5	1111.3	1078.8	1043.0	1005.9	967.1	925.4	882.7	840.2	795.6	749.7
-12.5°	1128.3	1097.9	1064.8	1029.0	992.6	954.0	913.9	871.8	829.5	785.9	741.1
-15°	1110.8	1081.3	1048.7	1014.2	977.5	938.8	899.7	858.9	817.0	774.4	730.6
-17.5°	1090.7	1061.7	1029.8	996.1	960.2	922.6	883.5	843.4	802.6	760.8	718.3
-20°	1067.9	1039.1	1008.2	975.5	940.5	904.1	865.8	826.4	786.0	745.5	703.8

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1041.6	1013.7	984.5	952.7	918.7	883.2	846.0	807.9	768.6	728.3	687.7
-25°	1013.1	986.8	958.1	927.0	894.6	860.2	824.5	787.3	749.6	710.1	670.7
-27.5°	982.1	957.3	929.1	899.8	868.3	835.3	800.7	765.2	728.3	690.6	652.4
-30°	949.4	925.5	898.8	870.4	840.2	808.5	775.6	741.2	705.7	669.7	632.9
-32.5°	915.1	891.9	866.3	839.3	810.4	780.3	748.6	715.6	682.0	647.3	611.9
-35°	878.3	856.3	832.9	806.6	779.4	750.4	720.1	689.0	656.7	623.6	589.8
-37.5°	841.4	820.5	796.6	772.8	746.6	719.1	690.7	661.0	630.4	598.9	566.7
-40°	800.8	782.0	760.9	737.4	712.9	687.1	660.0	632.0	603.0	573.1	542.2
-42.5°	762.2	742.9	723.1	701.5	678.5	654.1	628.5	602.1	574.6	546.1	517.5
-45°	721.1	703.9	685.2	664.6	643.3	620.2	596.1	571.3	545.2	519.0	491.0
-47.5°	679.9	663.9	646.6	627.1	606.8	585.2	562.9	539.6	515.9	489.8	463.5
-50°	638.1	622.9	606.3	588.3	569.8	549.8	529.3	507.6	483.5	459.9	436.4
-52.5°	594.5	581.0	566.0	549.7	532.5	514.6	494.2	472.6	451.9	430.7	409.0
-55°	552.1	539.2	525.9	511.0	494.5	476.7	458.8	439.9	420.8	401.3	381.1
-57.5°	509.8	498.1	485.3	471.5	456.6	440.5	424.3	407.2	389.4	371.6	353.4
-60°	468.3	456.8	444.6	432.2	418.9	404.7	389.7	374.2	358.4	342.2	325.5
-62.5°	425.3	415.5	404.9	393.5	381.4	368.7	355.8	341.9	327.4	312.6	297.8
-65°	383.1	374.4	365.5	355.9	345.0	333.6	321.6	309.4	296.7	283.4	270.2
-67.5°	342.7	334.9	326.5	317.7	308.7	298.9	288.3	277.5	266.3	254.7	243.0
-70°	302.8	296.0	288.7	281.2	273.3	264.7	255.6	246.2	236.5	226.7	216.4
-72.5°	263.7	257.8	251.6	245.1	238.1	231.0	223.5	215.7	207.6	199.2	190.7
-75°	225.4	220.6	215.7	210.5	204.9	199.1	193.0	186.5	179.9	172.9	166.0
-77.5°	190.0	186.0	182.1	177.9	173.5	168.9	164.0	158.9	153.7	148.3	142.7
-80°	156.9	153.8	150.8	147.6	144.2	140.6	136.9	133.0	129.1	125.0	120.8
-82.5°	126.4	124.1	121.9	119.6	117.2	114.7	112.0	109.3	106.5	103.6	100.6
-85°	99.0	97.4	96.0	94.6	93.0	91.4	89.6	87.9	86.1	84.2	82.3
-87.5°	75.2	74.1	73.3	72.5	71.6	70.7	69.8	68.8	67.8	66.8	65.8
-90°	55.0	54.6	54.2	53.9	53.5	53.1	52.8	52.4	52.0	51.7	51.3

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	51.1	50.9	50.6	50.4	50.1	49.9	49.6	49.4	49.1	49.2	49.2
87.5°	65.0	64.2	63.4	62.5	61.6	60.6	59.7	58.7	57.8	56.9	56.0
85°	80.6	78.7	76.8	75.1	73.3	71.5	69.6	67.7	65.8	64.0	62.2
82.5°	98.0	95.2	92.3	89.4	86.3	83.3	80.3	77.2	74.3	71.4	68.6
80°	116.8	112.8	108.6	104.4	100.3	96.0	91.9	87.6	83.4	79.3	75.2
77.5°	137.4	131.9	126.4	120.7	115.1	109.5	104.0	98.5	93.0	87.7	82.4
75°	159.1	152.2	145.2	138.2	131.0	123.9	116.8	109.8	102.9	96.3	89.8
72.5°	182.3	173.5	164.9	156.2	147.6	139.0	130.2	121.7	113.3	105.1	97.3
70°	206.1	195.9	185.8	175.3	164.8	154.4	144.3	134.1	124.1	114.4	104.9
67.5°	230.9	219.1	207.0	194.9	182.9	170.5	158.5	146.8	135.3	124.0	113.0
65°	257.1	243.1	229.0	215.1	201.1	187.3	173.4	159.6	146.6	133.7	121.1
62.5°	283.2	267.6	251.7	235.8	219.9	204.1	188.5	173.0	157.9	143.6	129.3
60°	309.0	291.7	274.5	256.7	238.9	221.3	203.7	186.5	169.6	153.3	137.8
57.5°	334.5	316.0	296.7	277.6	258.0	238.5	219.1	200.0	181.5	163.4	146.1
55°	360.8	340.0	319.1	298.0	277.0	255.6	234.5	213.5	193.2	173.4	154.3
52.5°	386.6	364.2	341.3	318.5	295.4	272.6	249.6	227.2	204.9	183.4	162.6
50°	412.9	387.9	363.5	338.6	313.9	289.1	264.7	240.4	216.5	193.3	170.8
47.5°	437.9	411.9	384.9	358.7	332.0	305.4	279.6	253.5	228.0	203.0	179.0
45°	462.8	434.8	406.5	377.7	349.6	321.7	293.9	266.5	239.1	212.4	186.9
42.5°	486.4	457.1	427.3	396.8	367.0	337.2	308.0	279.2	249.9	221.8	194.5
40°	511.1	478.8	447.1	415.4	383.3	352.6	321.9	291.1	260.5	230.8	202.0
37.5°	534.7	500.2	466.7	433.3	399.8	367.3	334.8	302.8	271.1	239.3	209.2
35°	556.3	522.3	484.5	450.1	415.8	381.1	347.2	314.0	281.0	247.6	216.1
32.5°	577.2	541.0	503.7	466.9	430.8	394.6	359.4	324.8	290.2	255.6	222.7
30°	597.2	559.5	522.3	481.8	444.8	407.7	370.6	334.5	298.9	263.3	228.9
27.5°	616.2	576.8	537.8	497.2	458.3	419.8	381.1	343.5	307.0	270.7	234.6
25°	632.8	593.1	552.6	511.9	470.9	430.6	391.1	352.3	314.7	277.5	239.9
22.5°	648.9	608.2	566.5	525.3	481.5	440.8	400.4	360.2	321.8	283.4	244.8
20°	663.9	621.8	578.9	536.0	491.9	450.2	409.0	367.5	328.1	288.8	249.4
17.5°	676.8	633.6	589.9	545.9	501.7	458.9	416.4	374.0	333.5	293.6	253.5
15°	687.0	644.3	599.5	555.0	510.2	466.5	422.6	379.7	338.2	297.8	257.0
12.5°	697.0	653.5	607.9	562.7	517.3	472.5	427.8	384.6	342.2	301.4	260.1
10°	706.0	660.7	614.7	569.0	523.2	477.2	432.1	388.6	345.6	304.3	262.8
7.5°	712.9	666.0	620.1	573.9	527.4	480.8	435.7	391.8	348.3	306.6	264.8
5°	717.0	669.6	624.0	577.4	530.4	483.4	438.3	394.1	350.1	308.3	266.3
2.5°	719.3	671.5	626.3	579.6	532.2	484.9	439.9	395.4	351.2	309.3	267.2
0°	720.0	671.8	627.1	580.2	532.7	485.4	440.4	395.9	351.6	309.6	267.5
-2.5°	719.1	671.2	626.1	579.4	532.0	485.0	439.9	395.4	351.2	309.2	267.1
-5°	716.5	669.1	623.6	577.1	530.1	483.5	438.3	394.1	350.1	308.2	266.2
-7.5°	712.1	665.3	619.4	573.5	526.9	480.9	435.7	391.8	348.2	306.5	264.7
-10°	705.2	660.0	613.8	568.4	522.4	477.3	432.1	388.7	345.6	304.2	262.5
-12.5°	696.4	652.7	606.8	561.9	516.6	472.6	427.8	384.6	342.2	301.2	259.8
-15°	686.3	643.5	598.3	554.1	509.6	466.6	422.6	379.7	338.2	297.6	256.7
-17.5°	675.0	632.6	588.7	545.0	501.4	458.9	416.5	373.9	333.4	293.3	253.0
-20°	662.2	619.9	577.7	534.7	492.1	450.3	409.0	367.3	327.9	288.5	248.8

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	647.5	606.2	565.0	523.3	481.9	440.8	400.5	359.9	321.5	283.0	244.0
-25°	631.2	591.3	551.1	510.8	471.0	430.5	391.2	352.1	314.4	276.9	239.0
-27.5°	613.5	575.0	536.0	497.1	458.5	419.8	381.2	343.5	306.6	270.1	233.6
-30°	595.5	557.6	519.9	482.5	444.9	407.8	370.4	334.3	298.4	262.6	227.8
-32.5°	576.0	539.4	503.0	467.0	430.6	394.9	359.0	324.3	289.6	254.7	221.6
-35°	555.4	520.4	485.3	450.2	415.9	381.2	347.1	313.5	280.2	246.4	214.9
-37.5°	533.6	500.5	466.7	433.1	400.0	366.9	334.5	302.2	270.2	237.8	208.0
-40°	511.4	479.1	447.2	415.4	383.5	352.2	321.3	290.4	259.6	229.2	200.7
-42.5°	487.4	457.0	427.1	396.9	366.6	336.9	307.4	278.1	248.4	220.2	193.2
-45°	462.5	434.5	406.4	377.7	349.3	321.0	293.0	265.3	237.1	210.8	185.5
-47.5°	437.7	411.6	384.9	358.3	331.6	304.7	278.3	251.8	225.9	201.3	177.5
-50°	412.5	387.9	363.2	338.4	313.3	288.1	263.3	238.0	214.5	191.5	169.4
-52.5°	386.6	364.0	341.2	318.0	294.6	271.2	247.3	224.7	202.9	181.6	161.2
-55°	360.7	340.0	318.8	297.3	275.7	253.9	231.9	211.2	191.2	171.7	152.9
-57.5°	334.7	315.6	296.1	276.5	256.6	236.2	216.7	197.6	179.4	161.7	144.6
-60°	308.5	291.2	273.5	255.5	237.1	219.2	201.4	184.1	167.6	151.7	136.2
-62.5°	282.4	266.8	250.6	234.4	218.3	202.2	186.3	170.7	156.0	141.7	127.7
-65°	256.5	242.4	228.2	213.9	199.6	185.4	171.3	157.5	144.5	131.8	119.5
-67.5°	231.0	218.7	206.3	193.8	181.3	168.9	156.7	144.6	133.1	122.1	111.4
-70°	206.0	195.5	184.9	174.2	163.5	152.9	142.3	131.9	122.0	112.5	103.4
-72.5°	182.0	173.1	164.2	155.2	146.3	137.3	128.3	119.5	111.2	103.3	95.7
-75°	158.9	151.8	144.4	137.0	129.6	122.3	114.9	107.8	100.9	94.5	88.2
-77.5°	137.1	131.3	125.5	119.6	113.8	108.0	102.3	96.5	91.0	85.9	80.9
-80°	116.5	112.2	107.8	103.4	99.0	94.5	90.2	85.8	81.5	77.7	73.9
-82.5°	97.6	94.5	91.5	88.3	85.1	82.0	78.9	75.7	72.6	69.9	67.3
-85°	80.4	78.4	76.4	74.4	72.4	70.3	68.3	66.2	64.2	62.6	60.9
-87.5°	64.8	63.8	62.8	61.7	60.7	59.6	58.5	57.4	56.3	55.6	54.9
-90°	51.2	51.1	51.0	50.9	50.7	50.6	50.5	50.4	50.3	50.2	50.1

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	49.3	49.3	49.4	49.4	49.5	49.5	49.6
87.5°	55.1	54.2	53.3	52.4	51.4	50.5	49.6
85°	60.3	58.4	56.6	54.9	53.1	51.4	49.6
82.5°	65.7	62.9	60.2	57.4	54.8	52.2	49.6
80°	71.4	67.5	63.8	60.1	56.4	53.0	49.6
77.5°	77.2	72.2	67.4	62.7	58.1	53.8	49.6
75°	83.3	77.0	71.1	65.4	59.9	54.7	49.6
72.5°	89.6	82.1	74.8	68.1	61.7	55.5	49.6
70°	96.0	87.2	78.8	70.8	63.4	56.3	49.6
67.5°	102.4	92.4	82.7	73.5	65.1	57.0	49.6
65°	109.0	97.6	86.7	76.3	66.8	57.8	49.6
62.5°	115.8	102.8	90.7	79.1	68.5	58.7	49.6
60°	122.6	108.1	94.6	81.9	70.2	59.5	49.6
57.5°	129.3	113.5	98.5	84.6	71.8	60.2	49.6
55°	136.2	118.8	102.4	87.4	73.4	61.0	49.6
52.5°	142.9	124.0	106.2	90.1	75.0	61.7	49.6
50°	149.5	129.1	110.1	92.7	76.6	62.4	49.6
47.5°	155.9	134.3	114.0	95.2	78.2	63.1	49.6
45°	162.4	139.3	117.6	97.7	79.7	63.7	49.6
42.5°	168.5	144.1	121.2	100.1	81.2	64.4	49.6
40°	174.7	148.8	124.7	102.4	82.5	65.0	49.6
37.5°	180.5	153.3	127.9	104.5	83.8	65.5	49.6
35°	186.0	157.6	131.1	106.7	85.1	66.1	49.6
32.5°	191.3	161.7	134.2	108.8	86.4	66.6	49.6
30°	196.3	165.6	137.0	110.8	87.5	67.1	49.6
27.5°	201.0	169.2	139.7	112.7	88.6	67.6	49.6
25°	205.3	172.6	142.1	114.4	89.6	68.0	49.6
22.5°	209.2	175.7	144.4	115.9	90.5	68.4	49.6
20°	212.8	178.4	146.5	117.3	91.3	68.7	49.6
17.5°	216.1	180.9	148.3	118.5	92.0	69.0	49.6
15°	218.9	183.1	149.9	119.6	92.6	69.3	49.6
12.5°	221.2	184.9	151.3	120.5	93.1	69.5	49.6
10°	223.1	186.4	152.4	121.3	93.6	69.7	49.6
7.5°	224.6	187.6	153.2	121.8	93.9	69.8	49.6
5°	225.7	188.4	153.8	122.2	94.1	69.9	49.6
2.5°	226.3	188.9	154.2	122.5	94.3	70.0	49.6
0°	226.4	189.1	154.3	122.6	94.3	70.0	49.6
-2.5°	226.2	188.9	154.2	122.5	94.2	70.0	49.6
-5°	225.5	188.3	153.8	122.2	94.1	69.9	49.6
-7.5°	224.4	187.4	153.1	121.7	93.8	69.8	49.6
-10°	222.8	186.2	152.2	121.1	93.5	69.7	49.6
-12.5°	220.8	184.6	151.1	120.4	93.0	69.5	49.6
-15°	218.4	182.7	149.7	119.4	92.5	69.2	49.6
-17.5°	215.5	180.5	148.0	118.3	91.9	69.0	49.6
-20°	212.2	178.0	146.2	117.0	91.1	68.6	49.6

REPORT NUMBER: P1209905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-4000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	208.6	175.1	144.0	115.6	90.3	68.3	49.6
-25°	204.6	172.0	141.7	114.0	89.4	67.9	49.6
-27.5°	200.2	168.6	139.2	112.3	88.4	67.5	49.6
-30°	195.4	164.9	136.5	110.5	87.3	67.0	49.6
-32.5°	190.4	161.1	133.6	108.5	86.1	66.5	49.6
-35°	185.1	156.9	130.5	106.3	84.9	66.0	49.6
-37.5°	179.4	152.5	127.3	104.1	83.6	65.4	49.6
-40°	173.6	148.0	124.0	101.9	82.3	64.8	49.6
-42.5°	167.5	143.2	120.6	99.6	80.9	64.2	49.6
-45°	161.3	138.3	116.9	97.2	79.4	63.6	49.6
-47.5°	154.9	133.3	113.2	94.7	77.9	63.0	49.6
-50°	148.3	128.1	109.4	92.2	76.3	62.3	49.6
-52.5°	141.6	123.0	105.4	89.5	74.7	61.6	49.6
-55°	134.9	117.7	101.6	86.8	73.1	60.8	49.6
-57.5°	128.0	112.4	97.8	84.0	71.5	60.1	49.6
-60°	121.3	107.0	93.8	81.3	69.9	59.3	49.6
-62.5°	114.4	101.7	89.9	78.6	68.2	58.5	49.6
-65°	107.7	96.5	85.9	75.8	66.4	57.7	49.6
-67.5°	101.1	91.3	81.9	73.0	64.7	56.9	49.6
-70°	94.6	86.1	78.0	70.3	63.0	56.1	49.6
-72.5°	88.3	81.1	74.1	67.6	61.3	55.3	49.6
-75°	82.0	76.1	70.4	64.8	59.6	54.5	49.6
-77.5°	76.0	71.3	66.7	62.2	57.8	53.7	49.6
-80°	70.2	66.6	63.0	59.5	56.1	52.9	49.6
-82.5°	64.6	62.1	59.5	56.9	54.5	52.0	49.6
-85°	59.3	57.6	56.0	54.4	52.8	51.2	49.6
-87.5°	54.2	53.4	52.7	51.9	51.2	50.4	49.6
-90°	50.1	50.0	49.9	49.8	49.8	49.7	49.6

(END OF REPORT)