

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: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-MID-3000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209898 (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-MID-3000K
Description: BULK HEAD 2800LM SEL 5CCT UNV D2D BRONZE at 3000K

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

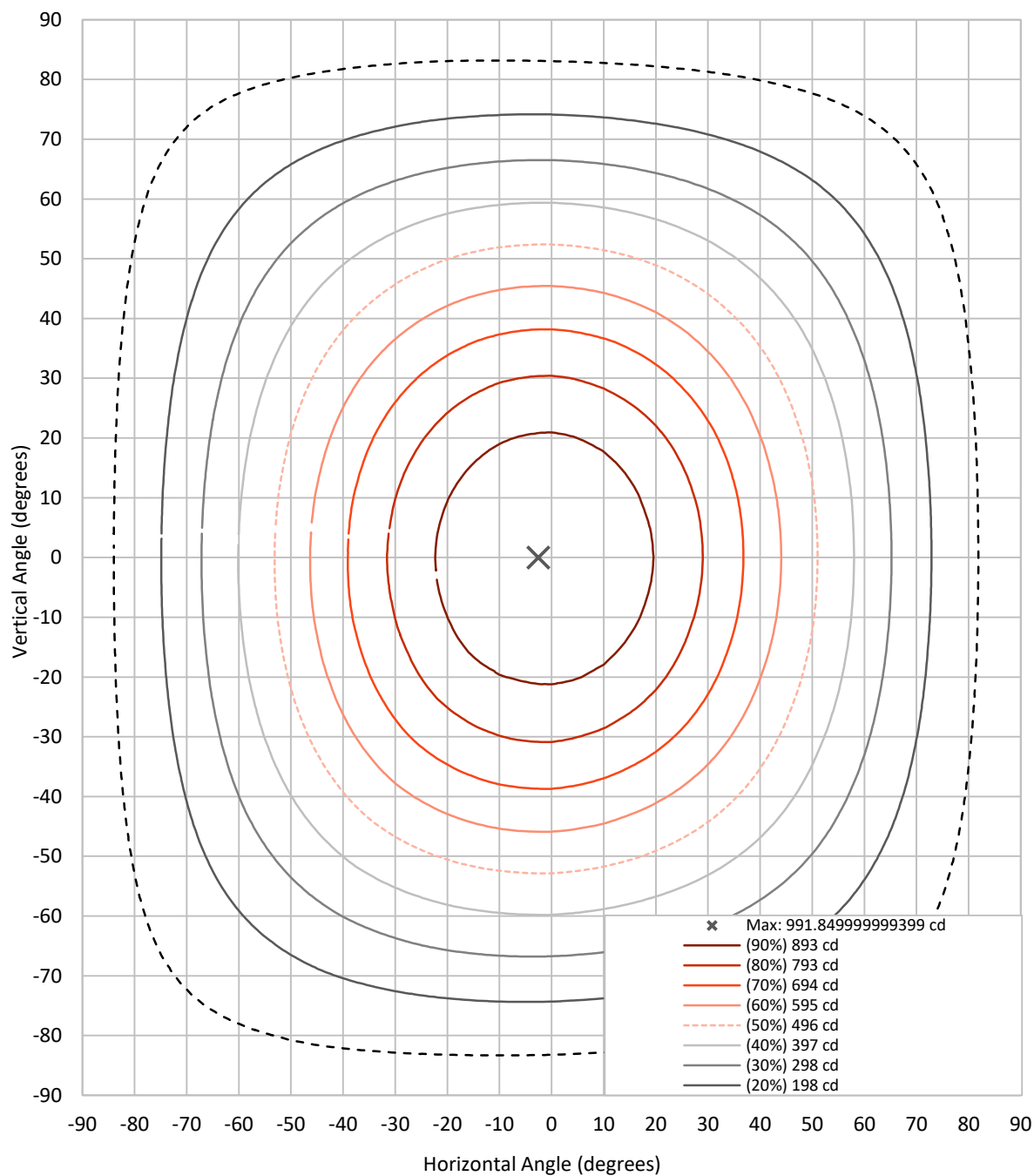
Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	2686.9 lumens	Max Intensity:	991.8 candela
Efficiency:	128.7%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	112.0 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:	1776.4 lumens	Field Lumens:	2632.6 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	24		
Input Voltage (V):	122		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	>0.9		
Total Harmonic Distortion (THDi):	<20		
Frequency (hertz):	60		
Stabilization Time:	HR		
Operation Time:	HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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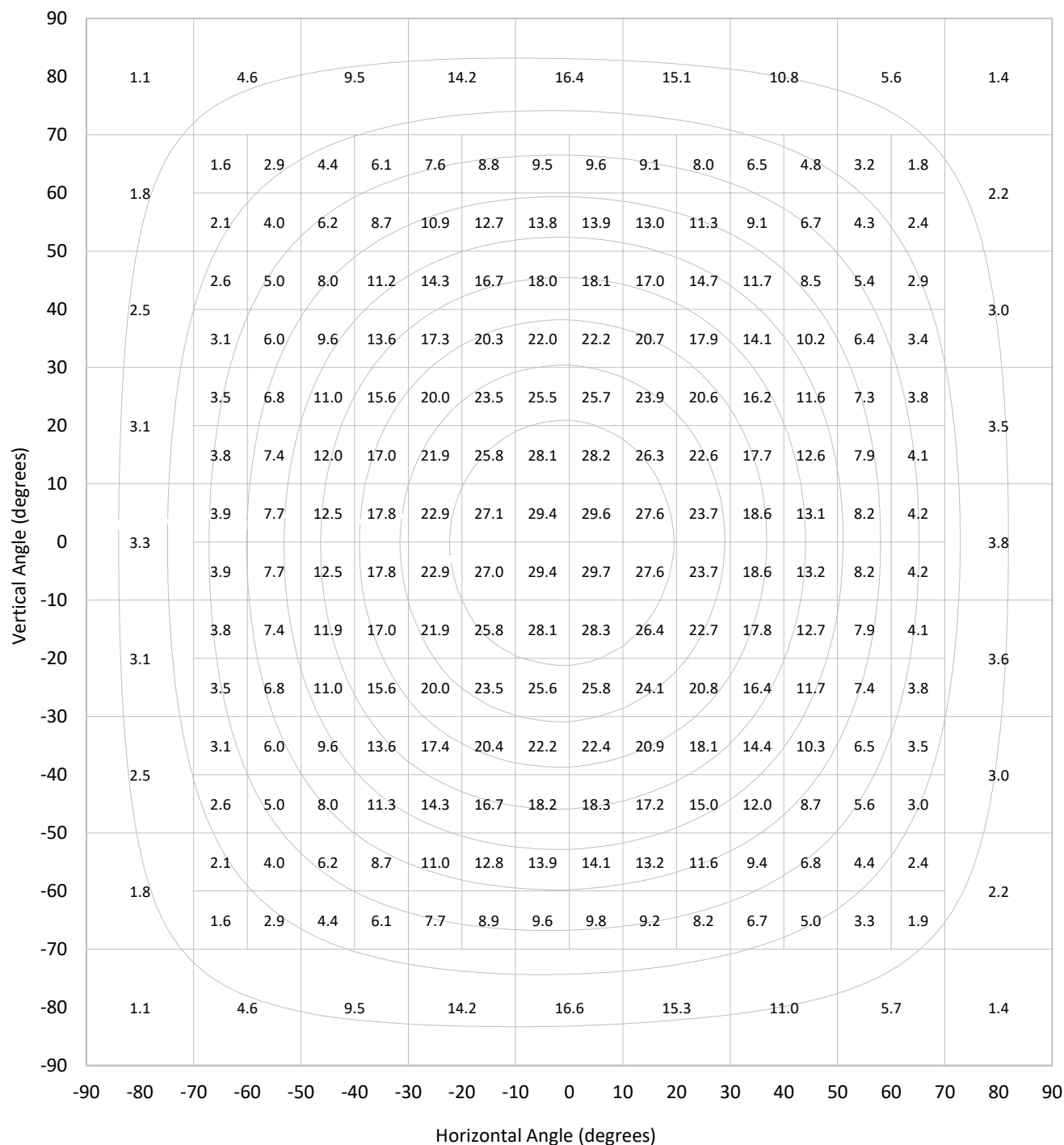
CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

Iso-Candela Plot



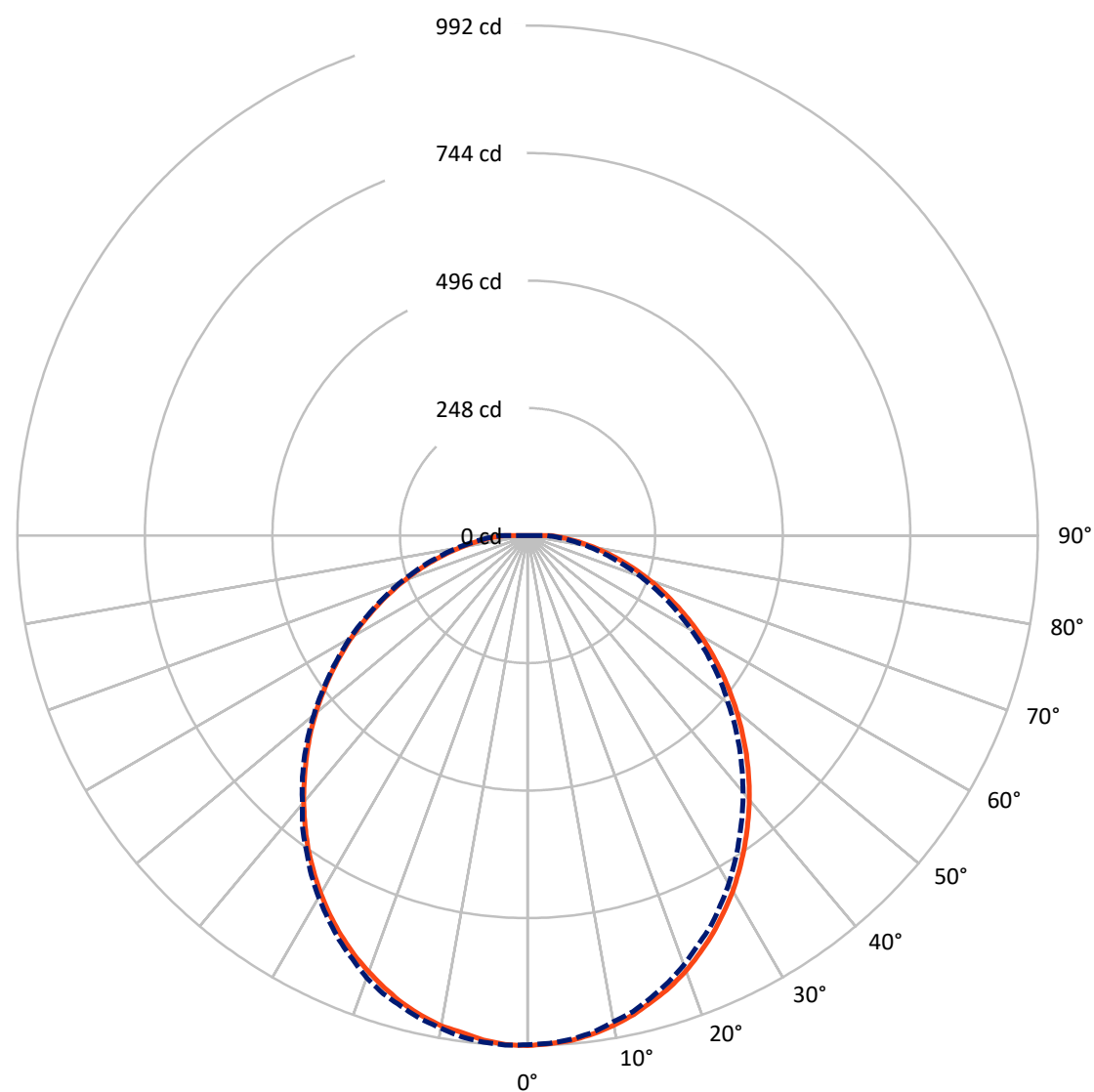
REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)
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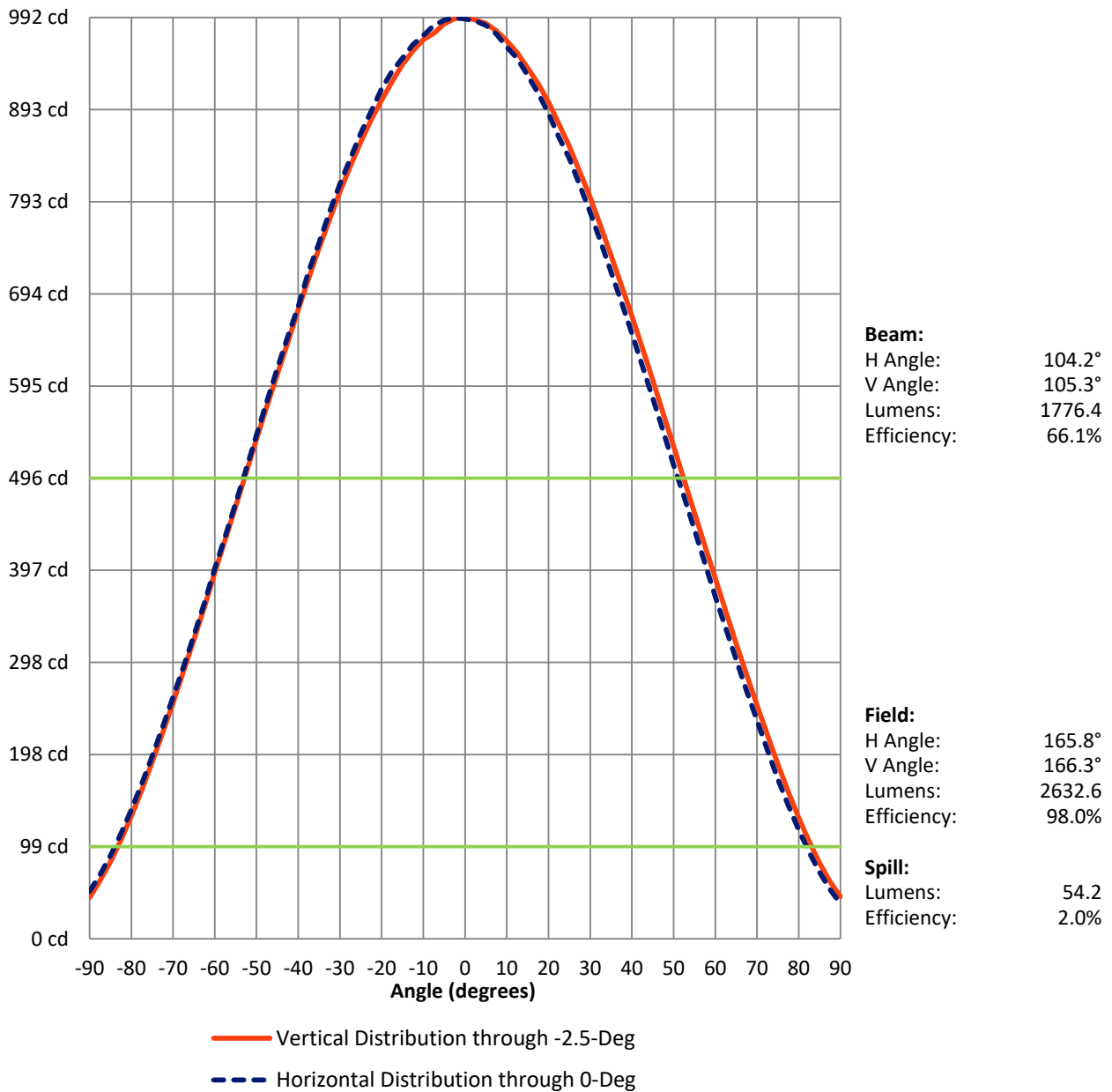
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



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CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3
87.5°	51.1	51.8	52.6	53.3	54.0	54.7	55.4	56.1	56.8	57.5	58.0
85°	51.1	52.6	54.0	55.5	57.0	58.4	60.0	61.5	63.0	64.5	65.7
82.5°	51.1	53.3	55.5	57.7	60.0	62.4	64.7	67.0	69.4	71.7	73.8
80°	51.1	54.0	57.0	60.0	63.2	66.3	69.5	72.7	76.0	79.3	82.5
77.5°	51.1	54.8	58.5	62.4	66.3	70.4	74.5	78.7	83.0	87.4	91.6
75°	51.1	55.5	60.0	64.7	69.5	74.5	79.6	84.9	90.3	95.7	101.0
72.5°	51.1	56.2	61.5	67.1	72.7	78.7	84.9	91.3	97.7	104.3	110.8
70°	51.1	56.9	63.0	69.4	76.1	83.0	90.3	97.7	105.4	113.1	120.8
67.5°	51.1	57.6	64.5	71.7	79.4	87.4	95.8	104.4	113.1	122.1	131.2
65°	51.1	58.3	66.0	74.1	82.7	91.9	101.3	111.0	121.0	131.3	141.7
62.5°	51.1	59.0	67.5	76.5	86.1	96.3	106.8	117.6	129.0	140.6	152.3
60°	51.1	59.7	69.0	78.8	89.4	100.7	112.3	124.5	137.0	149.8	163.0
57.5°	51.1	60.4	70.4	81.1	92.8	105.1	117.8	131.3	145.1	159.2	173.6
55°	51.1	61.1	71.8	83.5	96.2	109.4	123.4	138.0	153.1	168.5	184.2
52.5°	51.1	61.7	73.1	85.8	99.4	113.7	128.9	144.7	161.0	177.7	194.8
50°	51.1	62.3	74.5	88.0	102.6	117.8	134.3	151.3	168.8	186.8	205.2
47.5°	51.1	62.9	75.9	90.1	105.7	122.1	139.5	157.7	176.5	195.8	215.4
45°	51.1	63.5	77.1	92.3	108.7	126.2	144.7	164.1	184.0	204.6	225.4
42.5°	51.1	64.0	78.4	94.4	111.7	130.2	149.7	170.2	191.3	213.1	235.1
40°	51.1	64.6	79.6	96.4	114.5	134.0	154.6	176.1	198.4	221.4	244.5
37.5°	51.1	65.1	80.7	98.3	117.1	137.6	159.2	181.8	205.2	229.2	253.7
35°	51.1	65.6	81.8	100.1	119.8	141.1	163.7	187.3	211.8	236.8	262.4
32.5°	51.1	66.0	82.8	101.8	122.3	144.5	168.0	192.5	218.1	244.0	270.7
30°	51.1	66.4	83.8	103.5	124.7	147.7	171.9	197.4	223.9	250.9	278.4
27.5°	51.1	66.8	84.7	104.9	126.9	150.6	175.7	202.0	229.3	257.4	285.6
25°	51.1	67.2	85.6	106.3	128.9	153.3	179.2	206.3	234.3	263.3	292.4
22.5°	51.1	67.5	86.3	107.6	130.8	155.8	182.3	210.2	239.0	268.7	298.6
20°	51.1	67.8	87.0	108.7	132.5	158.1	185.2	213.9	243.3	273.6	304.1
17.5°	51.1	68.1	87.6	109.7	133.9	160.1	187.8	217.1	247.1	277.9	309.1
15°	51.1	68.3	88.1	110.6	135.2	161.8	190.1	219.9	250.5	281.7	313.5
12.5°	51.1	68.5	88.6	111.4	136.4	163.4	192.1	222.4	253.4	284.9	317.4
10°	51.1	68.7	88.9	112.0	137.3	164.6	193.7	224.3	255.8	287.6	320.6
7.5°	51.1	68.8	89.2	112.5	138.0	165.6	194.9	225.8	257.7	289.8	323.2
5°	51.1	68.9	89.4	112.9	138.5	166.3	195.8	227.0	259.0	291.3	325.0
2.5°	51.1	69.0	89.6	113.1	138.8	166.7	196.4	227.6	259.9	292.3	326.2
0°	51.1	69.0	89.6	113.1	138.9	166.9	196.6	227.9	260.2	292.6	326.6
-2.5°	51.1	69.0	89.6	113.1	138.8	166.8	196.5	227.8	260.1	292.6	326.6
-5°	51.1	68.9	89.5	112.9	138.6	166.4	196.1	227.3	259.5	291.9	325.8
-7.5°	51.1	68.8	89.3	112.6	138.1	165.8	195.3	226.3	258.4	290.5	324.3
-10°	51.1	68.7	89.0	112.1	137.4	164.9	194.1	224.9	256.7	288.6	322.0
-12.5°	51.1	68.6	88.6	111.5	136.5	163.7	192.6	223.1	254.6	286.1	319.0
-15°	51.1	68.4	88.2	110.7	135.4	162.2	190.8	220.8	251.9	283.2	315.3
-17.5°	51.1	68.1	87.7	109.9	134.2	160.5	188.6	218.1	248.8	279.6	311.2
-20°	51.1	67.9	87.1	108.8	132.7	158.5	186.0	215.0	245.1	275.6	306.6

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	51.1	67.6	86.4	107.7	131.1	156.3	183.2	211.5	241.0	271.0	301.4
-25°	51.1	67.2	85.6	106.5	129.2	153.8	180.1	207.7	236.3	265.8	295.2
-27.5°	51.1	66.9	84.8	105.1	127.2	151.1	176.6	203.5	231.3	260.2	288.5
-30°	51.1	66.5	83.9	103.6	125.0	148.2	172.9	199.1	225.9	254.0	281.6
-32.5°	51.1	66.0	82.9	102.0	122.7	145.1	168.9	194.2	220.1	247.3	274.1
-35°	51.1	65.6	81.9	100.3	120.2	141.7	164.7	189.0	213.9	239.9	266.3
-37.5°	51.1	65.1	80.8	98.5	117.6	138.2	160.2	183.5	207.5	232.2	257.9
-40°	51.1	64.6	79.7	96.6	114.9	134.6	155.5	177.7	200.8	224.2	248.9
-42.5°	51.1	64.1	78.5	94.6	112.0	130.8	150.6	171.6	193.7	216.0	239.1
-45°	51.1	63.5	77.3	92.5	109.1	126.8	145.6	165.5	186.3	207.5	229.1
-47.5°	51.1	62.9	76.0	90.4	106.1	122.8	140.4	159.1	178.6	198.9	218.9
-50°	51.1	62.3	74.6	88.2	103.0	118.5	135.2	152.5	170.7	189.7	208.8
-52.5°	51.1	61.7	73.2	86.0	99.8	114.3	129.7	145.8	162.7	180.3	198.4
-55°	51.1	61.1	71.9	83.7	96.5	110.0	124.3	139.1	154.6	170.8	187.5
-57.5°	51.1	60.4	70.5	81.4	93.2	105.6	118.7	132.4	146.5	161.2	176.4
-60°	51.1	59.7	69.0	79.1	89.8	101.2	113.1	125.6	138.4	151.5	165.4
-62.5°	51.1	59.0	67.6	76.7	86.5	96.8	107.5	118.7	130.3	142.2	154.3
-65°	51.1	58.3	66.1	74.3	83.1	92.3	101.9	111.9	122.3	132.8	143.6
-67.5°	51.1	57.6	64.6	71.9	79.7	87.9	96.4	105.1	114.2	123.5	132.9
-70°	51.1	56.9	63.1	69.6	76.4	83.5	90.9	98.5	106.3	114.4	122.5
-72.5°	51.1	56.2	61.6	67.2	73.0	79.1	85.5	92.0	98.5	105.3	112.2
-75°	51.1	55.5	60.1	64.8	69.7	74.8	80.1	85.6	91.1	96.6	102.2
-77.5°	51.1	54.8	58.5	62.5	66.5	70.6	74.9	79.3	83.8	88.3	92.7
-80°	51.1	54.1	57.0	60.1	63.3	66.5	69.8	73.1	76.6	80.1	83.5
-82.5°	51.1	53.3	55.6	57.8	60.2	62.5	64.9	67.3	69.8	72.2	74.6
-85°	51.1	52.6	54.1	55.6	57.1	58.6	60.2	61.7	63.2	64.8	66.3
-87.5°	51.1	51.9	52.6	53.4	54.1	54.9	55.6	56.4	57.1	57.8	58.5
-90°	51.1	51.1	51.1	51.1	51.1	51.0	51.0	51.0	51.0	51.0	50.8

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	51.2	51.2	51.1	51.1	51.0	51.0	50.9	50.9	50.6	50.3	49.9
87.5°	58.5	59.0	59.4	59.9	60.3	60.7	61.1	61.4	61.8	62.1	62.3
85°	67.0	68.2	69.4	70.6	71.8	73.0	74.1	75.2	76.2	77.2	78.1
82.5°	76.0	78.1	80.2	82.4	84.4	86.4	88.3	90.2	92.0	93.7	95.4
80°	85.7	88.8	91.9	94.9	97.8	100.8	103.7	106.5	109.2	111.9	114.4
77.5°	95.7	99.9	104.1	108.2	112.3	116.3	120.2	124.1	127.8	131.3	134.7
75°	106.3	111.6	116.9	122.2	127.4	132.6	137.6	142.5	147.2	151.9	156.4
72.5°	117.2	123.8	130.4	136.8	143.2	149.5	155.8	161.8	167.7	173.5	178.9
70°	128.6	136.4	144.2	151.9	159.6	167.2	174.6	181.7	189.2	196.3	203.0
67.5°	140.2	149.2	158.4	167.5	176.4	185.3	194.3	203.2	211.6	219.5	227.2
65°	152.0	162.5	172.9	183.2	193.8	204.3	214.4	224.3	234.0	243.0	251.8
62.5°	164.0	175.7	187.6	199.6	211.4	223.0	234.4	245.5	256.5	266.8	276.7
60°	176.0	189.2	202.5	215.8	228.9	241.8	254.6	267.0	279.1	290.7	301.8
57.5°	188.1	202.7	217.3	231.9	246.3	260.7	274.8	288.5	301.8	314.8	327.1
55°	200.1	216.1	232.0	248.0	263.9	279.5	294.8	309.9	324.6	338.9	352.7
52.5°	212.0	229.2	246.6	264.0	281.2	298.1	314.9	331.3	347.4	363.1	378.3
50°	223.7	242.3	261.1	279.8	298.2	316.7	334.7	352.6	370.2	387.2	403.3
47.5°	235.2	255.2	275.3	295.2	315.2	334.8	354.4	373.8	392.8	410.8	428.0
45°	246.5	267.8	289.2	310.5	331.7	352.8	374.0	394.9	414.7	433.9	452.5
42.5°	257.6	280.1	302.6	325.3	347.8	370.5	393.5	415.0	436.1	456.7	476.5
40°	268.2	291.9	315.8	339.5	363.5	388.3	411.8	434.6	457.1	478.9	500.1
37.5°	278.4	303.3	328.4	353.4	379.4	405.0	429.5	453.8	477.4	500.6	523.1
35°	288.1	314.2	340.5	366.8	394.9	420.9	446.7	472.1	497.1	521.6	545.4
32.5°	297.4	324.7	352.1	380.4	408.6	435.9	463.1	489.8	516.1	541.8	566.8
30°	306.2	334.6	363.0	393.4	422.0	450.5	478.5	506.6	534.1	561.1	587.1
27.5°	314.4	343.9	373.7	404.9	434.3	464.0	493.4	522.6	551.2	579.2	606.2
25°	322.2	352.6	384.1	415.4	446.0	476.5	507.2	537.4	567.2	596.1	624.3
22.5°	329.4	360.4	393.6	425.1	456.9	488.3	519.9	551.2	581.8	611.7	640.9
20°	335.8	367.4	402.0	433.7	466.4	499.2	531.6	563.8	595.4	626.2	656.4
17.5°	341.6	374.5	409.2	441.6	475.0	508.4	542.0	575.1	607.4	638.8	670.0
15°	346.8	380.6	415.5	449.0	482.6	516.8	551.3	585.1	617.9	650.3	681.9
12.5°	351.3	386.0	420.8	455.3	489.6	524.4	559.2	594.1	627.1	660.2	692.2
10°	354.9	390.4	425.1	460.1	495.4	530.6	565.9	601.5	634.5	668.6	701.1
7.5°	357.6	393.9	428.5	463.9	499.8	535.5	571.2	606.8	640.3	674.2	708.3
5°	359.6	396.5	431.0	466.6	502.7	539.0	575.1	610.7	644.6	678.0	713.6
2.5°	360.8	398.1	432.5	468.3	504.5	541.3	577.6	613.1	647.3	680.1	717.0
0°	361.2	398.7	433.1	468.9	505.2	542.2	578.6	614.1	648.3	680.6	718.4
-2.5°	361.2	398.4	433.0	468.8	505.1	541.9	578.4	613.7	648.1	680.6	717.6
-5°	360.4	397.2	431.9	467.6	503.8	540.3	576.7	611.9	646.1	679.2	714.8
-7.5°	358.8	395.0	429.8	465.3	501.4	537.4	573.7	608.7	642.6	676.1	710.1
-10°	356.4	391.8	426.8	461.9	497.5	533.1	569.0	603.8	637.3	671.3	703.5
-12.5°	353.2	387.8	422.8	457.5	492.4	527.6	562.7	597.1	630.1	663.7	695.2
-15°	349.2	382.9	417.8	451.7	486.2	520.6	555.1	589.0	621.7	654.8	685.4
-17.5°	344.5	377.5	411.8	445.0	478.9	512.6	546.6	580.6	611.8	644.5	674.9
-20°	339.2	371.5	405.0	437.5	470.5	503.6	536.9	570.2	600.3	631.3	662.5

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	333.1	364.5	397.1	429.2	461.0	493.6	525.8	557.2	588.1	618.0	648.0
-25°	326.1	356.7	387.9	419.6	450.8	482.5	513.4	544.3	575.8	602.9	631.1
-27.5°	318.2	348.6	378.9	409.3	439.8	469.8	499.9	530.0	558.8	587.5	614.6
-30°	310.1	339.9	369.1	398.2	427.6	456.3	486.1	514.4	542.5	570.3	596.4
-32.5°	301.7	330.4	357.7	385.9	414.0	442.8	470.4	497.9	525.0	551.0	577.3
-35°	292.3	319.3	347.0	374.7	400.8	427.8	454.1	480.8	506.3	531.5	555.6
-37.5°	282.7	308.5	335.4	360.2	386.0	411.7	437.6	462.2	487.2	510.9	534.0
-40°	272.8	297.2	322.2	347.0	371.7	395.3	419.6	443.6	466.8	489.7	511.6
-42.5°	262.6	285.2	308.8	333.0	355.1	378.8	401.2	424.1	446.0	467.5	488.3
-45°	251.9	273.3	295.0	316.9	339.5	360.3	382.5	403.5	424.8	444.7	464.3
-47.5°	240.0	261.1	281.0	301.7	322.3	342.8	362.4	382.9	402.2	421.8	439.9
-50°	227.9	248.1	267.1	285.9	305.1	324.3	342.9	360.8	379.8	397.4	414.9
-52.5°	216.1	234.2	252.8	270.2	287.6	305.3	322.7	339.7	355.9	372.8	388.9
-55°	204.3	220.5	237.3	254.3	270.3	286.3	302.2	317.9	333.4	347.5	361.6
-57.5°	192.0	207.1	222.1	237.4	252.8	267.3	281.8	296.0	309.9	323.5	335.9
-60°	179.3	193.5	207.2	220.8	234.6	248.2	261.3	274.2	286.8	298.7	309.9
-62.5°	166.9	179.4	192.1	204.5	216.7	228.8	240.7	252.3	263.5	274.3	284.3
-65°	154.4	165.7	176.7	188.0	199.0	209.7	220.3	230.7	240.6	249.7	258.5
-67.5°	142.4	151.9	161.9	171.6	181.2	190.8	200.1	209.1	217.9	226.0	233.6
-70°	130.6	138.9	147.2	155.5	164.0	172.0	180.0	187.9	195.4	202.2	208.7
-72.5°	119.1	126.1	133.1	140.0	146.9	153.8	160.7	167.3	173.3	178.9	184.2
-75°	107.8	113.6	119.3	125.0	130.7	136.3	141.7	147.2	152.1	156.7	160.9
-77.5°	97.2	101.6	106.1	110.5	115.0	119.4	123.8	128.1	131.8	135.2	138.3
-80°	86.9	90.3	93.7	97.0	100.3	103.6	106.7	109.7	112.5	115.0	117.3
-82.5°	77.1	79.4	81.7	84.1	86.4	88.7	90.9	93.1	94.9	96.5	97.9
-85°	67.8	69.2	70.7	72.1	73.4	74.8	76.2	77.4	78.3	79.1	79.9
-87.5°	59.2	59.8	60.5	61.1	61.7	62.3	62.9	63.5	63.7	63.8	63.9
-90°	50.6	50.4	50.2	50.0	49.8	49.6	49.4	49.2	49.0	48.8	48.6

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	49.6	49.3	49.0	48.6	48.3	48.0	47.7	47.3	47.0	46.7	46.3
87.5°	62.6	62.9	63.1	63.3	63.4	63.6	63.4	63.2	63.0	62.8	62.5
85°	78.9	79.7	80.5	81.1	81.7	82.3	82.5	82.6	82.6	82.5	82.4
82.5°	97.0	98.5	99.9	101.1	102.3	103.3	104.0	104.5	104.9	105.1	105.2
80°	116.8	119.1	121.1	123.1	124.8	126.5	127.6	128.6	129.3	129.9	130.2
77.5°	138.0	141.1	143.9	146.7	149.3	151.7	153.5	155.0	156.2	157.2	157.8
75°	160.7	164.7	168.5	172.1	175.4	178.4	180.8	182.8	184.5	185.8	186.9
72.5°	184.3	189.5	194.3	198.6	202.5	206.1	209.1	211.6	213.8	215.7	217.3
70°	209.2	215.0	220.5	225.7	230.4	234.8	238.7	242.1	244.9	247.3	249.1
67.5°	234.4	241.3	247.9	254.0	259.6	264.6	269.2	273.1	276.5	279.2	281.4
65°	260.2	268.1	275.6	282.6	289.0	294.9	300.1	304.6	308.5	311.7	314.3
62.5°	286.2	295.1	303.6	311.5	318.8	325.6	331.9	337.2	341.7	345.4	348.3
60°	312.4	322.5	332.2	341.2	349.5	357.0	363.7	370.0	375.3	379.7	383.2
57.5°	339.1	350.3	360.9	371.1	380.7	389.6	397.7	404.4	409.8	414.2	417.8
55°	365.7	378.5	390.4	401.7	412.1	421.3	429.6	436.8	443.1	448.3	452.6
52.5°	392.5	406.4	419.1	431.1	442.3	452.7	462.3	470.5	476.9	482.8	487.6
50°	418.7	433.5	447.5	460.8	473.0	484.5	495.0	503.7	511.4	518.1	523.2
47.5°	444.7	460.7	475.9	490.4	503.5	516.1	527.6	537.5	544.8	551.6	557.4
45°	470.3	487.6	504.0	519.7	534.2	546.6	558.4	569.4	578.6	586.1	592.3
42.5°	495.6	514.2	531.9	548.1	563.4	577.8	590.6	602.1	612.1	620.1	626.2
40°	520.6	540.2	558.8	576.5	592.9	608.0	621.7	633.6	644.1	652.8	659.7
37.5°	544.8	565.6	585.4	603.9	621.4	637.2	651.6	664.5	676.7	684.9	692.2
35°	568.3	590.2	610.8	630.6	649.0	665.7	681.2	694.5	707.0	717.2	724.0
32.5°	590.8	613.7	635.6	656.4	675.4	693.2	709.7	723.7	735.8	746.7	755.2
30°	612.1	636.3	659.4	680.6	700.9	720.0	736.3	751.8	765.4	777.4	785.3
27.5°	632.5	657.8	681.5	704.1	725.4	744.9	762.6	778.8	791.4	802.4	811.9
25°	651.7	677.7	702.6	726.2	748.3	768.3	786.5	802.4	816.7	829.1	837.8
22.5°	669.2	696.4	722.4	746.7	769.2	789.7	808.8	825.8	839.9	852.8	863.3
20°	685.6	713.6	740.1	765.2	788.3	809.9	829.5	846.4	861.9	874.9	884.6
17.5°	700.2	728.9	756.2	781.9	805.9	828.0	847.7	865.6	881.0	894.1	904.3
15°	713.1	742.4	770.5	796.7	821.3	844.0	864.3	882.3	898.3	911.7	922.1
12.5°	724.5	753.8	782.7	809.7	834.9	857.8	878.4	897.1	913.3	927.1	938.3
10°	733.8	763.4	792.9	820.1	846.1	869.3	890.5	909.5	926.0	940.0	950.8
7.5°	740.8	771.1	800.9	828.2	854.5	878.6	899.8	919.6	935.9	949.6	960.9
5°	745.5	776.9	807.0	834.2	861.0	886.1	907.1	926.4	943.0	957.1	968.6
2.5°	748.2	780.7	810.8	838.2	865.4	889.6	912.3	931.3	946.8	961.1	972.3
0°	749.2	782.2	812.5	839.9	867.3	890.9	915.0	933.9	948.1	962.6	972.5
-2.5°	748.8	781.2	811.4	838.9	866.0	889.9	912.8	931.8	947.2	961.1	972.2
-5°	746.7	777.9	807.7	835.7	862.2	886.5	908.3	927.6	945.2	957.1	968.9
-7.5°	742.7	772.8	801.3	829.8	856.4	880.4	901.8	921.3	937.4	951.2	962.2
-10°	736.2	766.4	794.3	821.1	848.0	872.1	892.6	911.6	928.4	943.1	954.4
-12.5°	727.0	757.2	786.0	812.9	838.8	861.4	882.0	901.6	916.3	931.3	941.2
-15°	716.7	746.3	774.2	798.8	824.6	848.4	869.4	888.1	904.8	914.8	924.9
-17.5°	704.6	733.5	761.8	787.4	810.7	834.3	853.7	872.0	887.7	899.4	907.9
-20°	691.0	719.0	746.6	772.0	795.0	816.0	837.4	853.2	867.5	878.7	889.8

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	676.2	703.1	728.8	754.9	777.7	798.6	816.0	833.3	846.3	857.3	865.8
-25°	659.8	685.8	710.7	734.8	758.2	778.5	795.3	810.3	824.1	834.6	842.8
-27.5°	640.6	667.1	691.0	713.7	735.6	755.4	771.6	785.9	800.2	811.0	818.9
-30°	621.7	645.3	670.1	691.8	711.3	729.0	746.4	760.4	772.4	782.5	791.7
-32.5°	601.5	624.5	645.5	668.1	686.5	703.6	718.4	732.6	744.5	754.2	762.4
-35°	579.6	602.5	623.4	640.9	659.5	676.2	690.9	704.1	714.7	724.2	732.2
-37.5°	556.2	577.6	598.4	616.2	631.5	646.8	660.6	673.6	684.4	694.0	700.7
-40°	532.5	552.5	570.8	588.6	604.5	618.5	630.8	642.8	651.7	659.9	667.2
-42.5°	508.4	526.4	543.5	559.6	574.5	588.7	600.7	611.3	620.4	628.2	634.3
-45°	483.2	499.9	515.6	530.4	544.6	557.3	568.9	579.2	588.0	594.8	600.3
-47.5°	456.7	472.8	487.3	501.0	513.7	525.4	536.4	546.3	554.2	560.7	565.9
-50°	430.5	444.6	458.4	471.4	483.2	493.8	503.2	511.9	519.3	525.4	530.4
-52.5°	402.7	416.9	429.6	441.1	452.0	461.9	470.8	478.7	485.3	490.6	494.8
-55°	375.5	388.2	399.6	410.7	420.9	430.0	438.0	445.1	451.1	456.0	459.9
-57.5°	347.6	358.8	370.0	380.1	389.0	397.3	404.8	411.4	416.9	421.3	424.7
-60°	320.7	331.0	340.7	349.5	357.3	365.2	372.3	377.6	382.2	386.2	389.5
-62.5°	293.8	302.6	311.1	319.1	326.7	333.7	340.1	344.8	348.3	351.3	353.7
-65°	267.0	275.1	282.7	289.7	295.9	301.5	306.6	310.8	314.3	317.4	319.6
-67.5°	240.7	247.4	253.8	260.1	265.8	270.9	275.3	278.9	281.9	284.3	286.1
-70°	214.9	221.0	226.5	231.6	236.2	240.2	243.6	246.4	249.1	251.2	252.8
-72.5°	189.4	194.4	199.1	203.4	207.2	210.8	213.8	216.3	218.3	219.9	221.0
-75°	164.9	168.7	172.3	175.6	178.5	181.2	183.6	185.7	187.5	188.8	189.8
-77.5°	141.4	144.4	147.1	149.6	151.8	153.8	155.5	156.9	158.1	159.1	159.8
-80°	119.5	121.7	123.6	125.5	127.1	128.4	129.5	130.4	131.2	131.7	132.1
-82.5°	99.3	100.6	101.7	102.8	103.7	104.5	105.2	105.7	106.1	106.4	106.6
-85°	80.6	81.3	81.9	82.4	82.9	83.2	83.5	83.6	83.7	83.7	83.6
-87.5°	64.1	64.2	64.2	64.2	64.2	64.2	64.1	64.0	63.9	63.7	63.5
-90°	48.4	48.1	47.9	47.7	47.5	47.3	46.9	46.5	46.2	45.8	45.4

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	46.0	45.7	45.3	45.0	44.6	44.2	43.7	43.3	42.9	42.5	42.0
87.5°	62.2	61.9	61.5	61.1	60.7	60.3	59.9	59.4	58.9	58.4	57.9
85°	82.2	81.9	81.6	81.1	80.7	80.1	79.5	78.9	78.1	77.3	76.4
82.5°	105.2	105.0	104.7	104.2	103.7	103.0	102.2	101.3	100.2	99.0	97.7
80°	130.4	130.4	130.1	129.7	129.1	128.3	127.2	126.0	124.6	123.0	121.1
77.5°	158.2	158.3	158.1	157.7	157.0	156.0	154.8	153.2	151.5	149.5	147.2
75°	187.5	187.9	187.9	187.5	186.6	185.4	183.9	182.0	179.7	177.2	174.3
72.5°	218.4	219.1	219.3	219.1	218.1	216.6	214.7	212.3	209.5	206.4	203.0
70°	250.4	251.2	251.5	251.3	250.2	248.5	246.4	243.8	240.7	237.2	233.2
67.5°	283.0	284.0	284.4	284.3	283.1	281.3	279.0	276.1	272.7	268.6	263.8
65°	316.2	317.4	317.9	317.7	316.5	314.6	312.1	308.9	305.0	300.4	295.1
62.5°	350.6	352.0	352.7	352.7	351.3	349.1	346.2	342.5	338.0	332.9	326.9
60°	385.8	387.4	388.2	388.0	386.6	384.2	380.9	376.7	371.6	365.7	359.4
57.5°	420.5	422.3	423.1	422.9	421.6	419.3	416.1	411.9	406.7	400.5	393.3
55°	455.8	457.8	458.8	458.6	457.1	454.5	450.8	446.1	440.2	433.6	426.2
52.5°	491.1	493.3	494.3	494.2	492.6	489.9	486.0	480.7	474.4	467.0	458.9
50°	526.9	529.3	530.4	530.2	528.6	525.7	521.6	516.3	509.7	501.6	492.3
47.5°	561.8	564.4	565.6	565.5	564.0	561.1	556.9	550.9	543.3	534.5	524.8
45°	596.9	600.0	601.6	601.6	599.8	596.5	591.9	585.9	578.0	568.3	557.7
42.5°	630.9	634.4	636.3	636.5	634.4	630.5	625.0	618.7	610.9	601.1	590.0
40°	665.3	668.9	670.6	670.4	668.6	665.0	659.7	652.5	643.2	632.2	620.2
37.5°	697.8	701.5	703.4	703.3	701.1	696.8	690.7	683.8	675.4	664.8	651.3
35°	729.8	733.8	735.7	735.7	733.4	729.2	723.2	715.4	706.1	693.0	680.3
32.5°	761.5	765.5	767.3	766.9	764.7	760.2	753.8	745.4	734.7	722.4	708.8
30°	791.1	795.7	798.3	798.8	795.8	790.6	783.4	774.6	764.0	750.8	736.0
27.5°	819.2	824.0	825.8	825.6	823.1	818.4	811.2	802.3	790.0	776.6	762.2
25°	845.9	850.7	853.2	853.2	850.5	845.4	837.8	827.8	815.9	802.3	785.8
22.5°	870.9	875.0	877.2	877.3	874.6	869.5	862.1	852.1	839.9	824.8	808.6
20°	892.3	897.5	900.8	901.8	898.7	892.7	884.4	874.2	861.3	846.2	828.8
17.5°	913.6	917.8	920.9	921.2	918.2	912.4	904.3	894.7	881.0	865.8	846.8
15°	930.1	935.9	937.5	937.7	934.8	929.5	921.1	910.9	897.7	882.4	863.9
12.5°	945.6	951.0	954.0	954.5	951.1	945.8	937.4	925.7	912.2	895.5	877.8
10°	958.9	963.2	966.8	967.6	963.2	958.9	949.6	938.5	924.5	908.5	887.8
7.5°	969.2	975.1	977.5	977.7	973.3	968.8	960.2	948.5	934.6	917.1	896.4
5°	977.0	982.3	985.5	984.8	979.9	976.8	967.6	956.2	941.2	924.6	905.1
2.5°	981.3	986.7	989.1	987.8	985.7	979.3	970.9	959.8	946.4	928.7	909.2
0°	983.1	989.0	991.8	990.3	988.3	983.3	974.1	960.1	947.8	929.6	910.5
-2.5°	981.5	987.8	990.6	988.1	985.4	979.4	971.0	958.6	945.6	927.8	908.8
-5°	977.6	982.8	985.0	985.0	980.0	974.9	966.0	954.4	940.0	923.3	904.3
-7.5°	970.7	974.9	974.7	977.5	974.9	966.9	959.2	947.7	933.3	916.5	897.3
-10°	960.7	966.0	968.0	968.3	964.5	958.6	949.6	938.4	924.4	907.6	888.8
-12.5°	948.1	953.1	955.9	955.3	951.9	946.0	938.1	926.2	912.4	896.1	877.5
-15°	933.6	938.6	941.2	941.9	938.2	931.0	922.1	911.7	898.2	882.2	863.9
-17.5°	913.3	919.5	922.8	923.1	919.7	913.9	905.2	896.4	881.8	865.9	847.7
-20°	895.2	900.4	902.9	902.4	900.5	895.5	886.7	876.1	862.2	846.7	829.5

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	872.6	878.2	881.8	882.3	878.7	872.4	863.6	852.7	840.2	825.7	809.8
-25°	849.7	854.7	857.8	858.6	854.4	847.8	839.0	828.2	817.7	804.3	787.2
-27.5°	825.0	829.1	831.7	832.1	828.3	822.4	815.1	805.5	792.6	778.9	763.8
-30°	798.1	802.2	804.1	803.8	800.3	794.5	786.8	778.0	766.8	752.5	737.0
-32.5°	767.9	771.8	773.9	774.0	770.8	765.4	757.7	747.5	736.6	724.6	710.5
-35°	737.9	741.6	743.6	743.6	740.3	735.0	727.6	718.6	708.4	695.7	682.3
-37.5°	705.5	708.9	710.7	710.6	707.5	702.4	695.6	687.4	677.2	664.6	652.4
-40°	672.3	675.6	677.1	676.8	673.8	669.1	662.8	655.0	645.7	635.1	622.9
-42.5°	638.4	640.9	641.9	641.5	639.1	635.1	629.6	622.1	612.5	601.9	591.0
-45°	604.3	606.8	607.7	607.2	604.7	600.9	595.6	588.9	580.3	569.9	559.1
-47.5°	569.7	572.2	573.3	573.0	570.4	566.4	561.1	554.6	546.7	537.6	527.5
-50°	534.2	536.7	537.7	537.4	535.1	531.4	526.4	520.1	512.7	504.7	495.4
-52.5°	498.0	500.2	501.1	500.9	498.8	495.5	490.9	485.2	478.5	470.7	461.3
-55°	462.8	464.6	465.3	464.9	462.8	459.6	455.3	450.0	443.8	436.5	428.2
-57.5°	427.3	428.9	429.5	429.2	427.1	424.1	420.1	415.1	409.4	402.9	395.3
-60°	392.0	393.5	394.2	393.9	392.0	389.1	385.4	380.9	375.5	369.5	362.8
-62.5°	355.5	356.6	356.8	356.2	354.7	352.4	349.2	345.3	340.7	335.5	329.5
-65°	321.2	321.9	322.0	321.3	319.9	317.8	315.0	311.5	307.4	302.5	297.0
-67.5°	287.2	287.8	287.8	287.2	285.8	283.9	281.4	278.3	274.7	270.4	265.5
-70°	253.7	254.2	254.1	253.4	252.2	250.4	248.2	245.5	242.3	238.6	234.5
-72.5°	221.6	221.9	221.6	221.0	219.9	218.3	216.4	214.0	211.2	208.0	204.3
-75°	190.3	190.5	190.3	189.7	188.6	187.1	185.2	183.1	180.5	177.7	174.5
-77.5°	160.2	160.3	160.1	159.6	158.6	157.3	155.8	154.0	151.9	149.6	147.0
-80°	132.3	132.3	132.1	131.7	130.8	129.7	128.4	126.9	125.2	123.4	121.3
-82.5°	106.6	106.4	106.2	105.8	105.0	104.1	103.0	101.9	100.6	99.1	97.6
-85°	83.5	83.2	82.9	82.5	81.8	81.1	80.3	79.4	78.5	77.4	76.3
-87.5°	63.3	63.0	62.7	62.3	61.8	61.2	60.6	60.0	59.3	58.6	57.9
-90°	45.0	44.7	44.3	43.9	43.6	43.4	43.1	42.8	42.6	42.3	42.0

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	41.6	41.2	41.0	40.7	40.5	40.3	40.0	39.8	39.6	39.3	39.1
87.5°	57.3	56.7	56.0	55.3	54.6	53.9	53.1	52.4	51.6	50.8	50.0
85°	75.4	74.4	73.3	72.1	70.9	69.6	68.3	66.9	65.5	64.1	62.6
82.5°	96.2	94.7	93.0	91.2	89.3	87.3	85.2	83.1	81.0	78.8	76.5
80°	119.1	117.0	114.6	112.2	109.7	107.0	104.2	101.2	98.1	94.9	91.7
77.5°	144.7	141.9	138.8	135.5	132.0	128.4	124.6	120.7	116.7	112.5	108.3
75°	171.2	167.8	164.0	159.9	155.5	151.2	146.6	141.7	136.5	131.1	125.9
72.5°	199.2	195.2	190.8	185.9	180.6	175.2	169.5	163.5	157.2	150.8	144.7
70°	228.6	223.8	218.7	212.9	206.8	200.5	193.8	186.7	179.1	171.5	164.0
67.5°	258.5	252.8	246.7	240.3	233.6	226.3	218.8	210.8	202.3	193.4	184.4
65°	289.1	282.7	276.1	269.0	260.9	252.2	243.7	234.7	225.1	215.6	205.6
62.5°	320.3	313.5	306.0	297.6	288.5	279.1	269.6	259.0	248.1	237.6	226.1
60°	352.3	344.4	335.8	326.7	317.1	306.8	295.3	283.6	271.9	259.6	246.9
57.5°	384.9	375.8	366.2	356.1	345.2	333.7	322.0	309.5	295.7	281.9	268.3
55°	417.8	408.6	397.7	386.0	373.9	361.4	347.7	334.0	320.1	305.2	289.2
52.5°	449.5	438.9	427.7	415.7	403.1	388.4	374.0	359.4	343.1	327.3	310.9
50°	481.8	470.3	458.0	444.8	430.7	415.5	400.4	383.2	366.9	349.3	331.5
47.5°	514.1	502.0	488.5	473.6	458.4	442.5	425.6	408.2	389.8	371.0	352.1
45°	545.5	532.1	517.6	502.8	486.5	468.5	450.6	432.5	412.6	393.1	371.8
42.5°	577.6	562.5	547.1	530.8	512.7	495.0	475.2	455.6	435.5	413.8	392.5
40°	607.7	592.3	576.4	558.0	539.6	519.4	499.7	478.8	457.0	434.8	411.5
37.5°	636.5	620.5	604.4	585.2	565.1	544.2	523.1	501.0	478.1	454.5	430.5
35°	666.0	648.4	630.6	611.0	590.3	568.4	545.7	522.3	498.3	473.7	448.2
32.5°	692.0	675.6	656.3	635.5	613.8	591.4	567.5	543.0	517.7	491.6	465.4
30°	719.0	700.9	679.8	659.6	636.4	612.9	588.0	562.2	536.0	509.2	481.2
27.5°	744.6	724.8	704.1	681.0	658.6	632.9	607.6	580.5	553.0	524.5	496.3
25°	768.0	747.7	726.3	703.3	678.6	652.8	624.1	597.7	569.4	540.6	511.1
22.5°	789.9	768.9	746.6	722.7	697.4	671.7	643.0	613.4	583.3	553.6	522.8
20°	810.3	788.7	765.5	740.9	714.8	687.2	658.4	625.9	596.9	566.6	535.5
17.5°	827.4	806.9	782.1	757.0	730.0	701.9	673.1	642.0	610.0	577.7	546.3
15°	843.8	820.2	797.5	770.2	743.0	714.6	684.9	652.8	619.1	587.9	555.0
12.5°	856.3	834.4	810.8	782.7	754.9	725.5	694.9	663.4	629.3	596.7	562.9
10°	867.5	845.3	818.7	793.5	764.4	735.1	703.8	671.5	638.8	604.2	569.4
7.5°	876.5	852.8	828.4	802.0	772.0	741.9	710.3	677.8	644.5	610.1	574.8
5°	883.1	858.5	835.2	807.6	777.7	746.8	714.7	682.2	648.6	613.7	578.8
2.5°	887.0	862.1	839.0	810.3	781.1	749.8	717.2	684.7	651.0	616.0	581.3
0°	888.7	863.0	840.0	811.2	782.1	750.6	717.9	685.4	651.7	616.8	582.1
-2.5°	887.3	862.0	838.4	809.8	780.8	749.5	717.0	684.4	650.8	616.1	581.2
-5°	883.3	858.4	834.4	806.1	777.2	746.4	714.1	681.5	648.2	613.7	578.7
-7.5°	876.2	852.5	828.0	800.0	771.6	741.3	709.2	676.7	643.9	609.7	574.6
-10°	867.2	843.5	818.9	791.7	763.5	734.0	702.4	670.0	637.8	603.9	569.1
-12.5°	856.4	833.4	808.3	781.0	753.4	724.1	693.7	661.8	629.6	596.5	562.5
-15°	843.2	820.8	796.0	769.8	742.0	712.6	682.9	651.9	620.1	587.8	554.6
-17.5°	827.9	805.9	781.6	756.1	728.8	700.3	670.6	640.2	609.2	577.5	545.2
-20°	810.5	788.7	765.3	740.5	713.8	686.3	657.2	627.3	596.6	565.8	534.2

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	790.6	769.4	747.3	723.1	697.4	670.4	642.2	613.2	583.3	552.8	522.0
-25°	768.9	749.0	727.2	703.6	679.0	652.9	625.8	597.6	568.9	539.0	509.1
-27.5°	745.5	726.6	705.2	683.0	659.1	634.0	607.8	580.8	552.8	524.1	495.2
-30°	720.6	702.5	682.2	660.7	637.8	613.7	588.7	562.6	535.6	508.4	480.4
-32.5°	694.6	677.0	657.5	637.1	615.2	592.3	568.2	543.2	517.7	491.3	464.4
-35°	666.7	649.9	632.2	612.3	591.6	569.5	546.6	522.9	498.5	473.3	447.7
-37.5°	638.7	622.8	604.7	586.6	566.7	545.9	524.3	501.7	478.5	454.6	430.1
-40°	607.9	593.6	577.5	559.7	541.1	521.6	501.0	479.8	457.7	435.0	411.6
-42.5°	578.5	563.9	548.8	532.5	515.0	496.4	477.1	457.0	436.1	414.5	392.8
-45°	547.3	534.3	520.1	504.5	488.3	470.8	452.5	433.5	413.8	393.9	372.6
-47.5°	516.1	504.0	490.8	476.0	460.6	444.2	427.2	409.6	391.5	371.7	351.8
-50°	484.4	472.9	460.2	446.6	432.5	417.3	401.8	385.2	367.0	349.1	331.2
-52.5°	451.3	441.0	429.6	417.2	404.2	390.6	375.1	358.7	343.0	326.9	310.5
-55°	419.0	409.3	399.2	387.9	375.3	361.9	348.2	333.9	319.4	304.6	289.2
-57.5°	386.9	378.1	368.3	357.9	346.5	334.4	322.1	309.1	295.5	282.0	268.3
-60°	355.4	346.7	337.4	328.1	318.0	307.2	295.8	284.0	272.0	259.7	247.1
-62.5°	322.8	315.4	307.4	298.7	289.5	279.9	270.0	259.5	248.5	237.3	226.1
-65°	290.8	284.1	277.4	270.1	261.9	253.2	244.1	234.9	225.2	215.1	205.1
-67.5°	260.0	254.1	247.8	241.2	234.3	226.9	218.8	210.6	202.2	193.3	184.4
-70°	229.8	224.6	219.1	213.5	207.4	200.9	194.0	186.8	179.5	172.0	164.3
-72.5°	200.1	195.6	191.0	186.0	180.7	175.3	169.6	163.7	157.6	151.2	144.7
-75°	171.1	167.4	163.7	159.8	155.5	151.1	146.5	141.6	136.5	131.2	126.0
-77.5°	144.2	141.2	138.3	135.0	131.7	128.2	124.5	120.6	116.7	112.6	108.4
-80°	119.1	116.7	114.5	112.0	109.5	106.8	103.9	101.0	98.0	94.9	91.6
-82.5°	95.9	94.2	92.6	90.8	89.0	87.0	85.0	82.9	80.8	78.6	76.4
-85°	75.2	73.9	72.9	71.8	70.6	69.3	68.0	66.7	65.3	63.9	62.4
-87.5°	57.1	56.3	55.7	55.1	54.4	53.7	53.0	52.3	51.5	50.8	50.0
-90°	41.8	41.5	41.2	40.9	40.7	40.4	40.1	39.8	39.6	39.3	39.0

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	38.9	38.7	38.5	38.3	38.0	37.8	37.6	37.4	37.2	37.3	37.3
87.5°	49.4	48.8	48.1	47.4	46.7	46.0	45.3	44.6	43.8	43.2	42.5
85°	61.2	59.8	58.3	57.0	55.6	54.2	52.8	51.4	49.9	48.6	47.2
82.5°	74.4	72.3	70.1	67.9	65.6	63.3	61.0	58.6	56.4	54.2	52.0
80°	88.7	85.6	82.4	79.3	76.2	72.9	69.8	66.6	63.4	60.2	57.0
77.5°	104.3	100.1	95.9	91.6	87.4	83.1	78.9	74.8	70.6	66.6	62.6
75°	120.8	115.6	110.2	104.9	99.4	94.0	88.6	83.4	78.2	73.1	68.2
72.5°	138.4	131.7	125.2	118.6	112.1	105.5	98.9	92.4	86.0	79.8	73.9
70°	156.4	148.7	141.1	133.1	125.1	117.2	109.5	101.8	94.2	86.9	79.7
67.5°	175.2	166.3	157.1	148.0	138.9	129.5	120.3	111.5	102.7	94.1	85.8
65°	195.2	184.5	173.8	163.2	152.6	142.2	131.6	121.2	111.3	101.5	92.0
62.5°	215.0	203.2	191.1	179.0	166.9	154.9	143.2	131.4	119.9	109.0	98.2
60°	234.5	221.4	208.4	194.9	181.3	167.9	154.6	141.7	128.8	116.4	104.6
57.5°	253.9	239.8	225.2	210.7	195.9	181.0	166.3	151.8	137.8	124.0	110.9
55°	273.8	258.1	242.2	226.1	210.2	194.0	178.0	162.0	146.7	131.7	117.1
52.5°	293.5	276.4	259.1	241.7	224.2	206.9	189.5	172.4	155.5	139.3	123.5
50°	313.4	294.5	275.9	257.0	238.3	219.4	200.9	182.5	164.3	146.7	129.7
47.5°	332.4	312.6	292.2	272.2	252.0	231.8	212.2	192.4	173.0	154.1	135.9
45°	351.3	330.0	308.5	286.7	265.4	244.2	223.0	202.3	181.4	161.2	141.9
42.5°	369.2	346.9	324.3	301.2	278.6	256.0	233.8	211.9	189.7	168.3	147.7
40°	387.9	363.4	339.4	315.3	291.0	267.6	244.3	221.0	197.8	175.1	153.4
37.5°	405.9	379.7	354.2	328.8	303.5	278.8	254.2	229.8	205.8	181.6	158.8
35°	422.3	396.4	367.7	341.6	315.6	289.3	263.6	238.3	213.3	187.9	164.0
32.5°	438.2	410.6	382.3	354.4	327.0	299.6	272.8	246.5	220.2	194.0	169.0
30°	453.3	424.7	396.4	365.7	337.6	309.5	281.3	253.9	226.8	199.9	173.7
27.5°	467.8	437.9	408.2	377.4	347.9	318.6	289.3	260.8	233.0	205.5	178.0
25°	480.3	450.2	419.4	388.5	357.4	326.9	296.9	267.4	238.8	210.6	182.1
22.5°	492.6	461.7	430.0	398.7	365.5	334.6	303.9	273.4	244.2	215.1	185.8
20°	504.0	472.0	439.5	406.9	373.4	341.7	310.4	278.9	249.1	219.2	189.3
17.5°	513.7	480.9	447.8	414.4	380.8	348.3	316.1	283.9	253.2	222.8	192.4
15°	521.5	489.1	455.0	421.2	387.2	354.1	320.8	288.2	256.7	226.0	195.1
12.5°	529.1	496.1	461.4	427.1	392.6	358.7	324.7	291.9	259.8	228.8	197.4
10°	536.0	501.5	466.6	431.9	397.0	362.2	328.0	295.0	262.3	231.0	199.4
7.5°	541.2	505.5	470.7	435.6	400.3	364.9	330.8	297.4	264.3	232.8	201.0
5°	544.2	508.2	473.6	438.3	402.6	366.9	332.7	299.1	265.8	234.0	202.1
2.5°	546.0	509.7	475.4	439.9	403.9	368.0	333.9	300.1	266.6	234.7	202.8
0°	546.6	509.9	476.0	440.4	404.3	368.4	334.3	300.5	266.9	235.0	203.0
-2.5°	545.9	509.4	475.3	439.8	403.8	368.1	333.9	300.2	266.6	234.7	202.8
-5°	543.9	507.8	473.3	438.1	402.3	367.0	332.7	299.1	265.8	234.0	202.1
-7.5°	540.6	505.0	470.1	435.3	399.9	365.0	330.7	297.4	264.3	232.7	200.9
-10°	535.3	500.9	465.9	431.4	396.4	362.3	328.0	295.0	262.3	230.9	199.3
-12.5°	528.6	495.5	460.5	426.5	392.1	358.7	324.7	292.0	259.7	228.7	197.2
-15°	520.9	488.4	454.1	420.6	386.8	354.1	320.8	288.2	256.7	225.9	194.8
-17.5°	512.3	480.2	446.9	413.7	380.6	348.3	316.1	283.8	253.1	222.7	192.0
-20°	502.6	470.5	438.5	405.9	373.5	341.8	310.5	278.8	248.9	219.0	188.8

REPORT NUMBER: P1209898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	491.5	460.1	428.8	397.2	365.8	334.6	304.0	273.2	244.0	214.8	185.2
-25°	479.1	448.8	418.3	387.7	357.5	326.7	297.0	267.2	238.6	210.2	181.3
-27.5°	465.7	436.4	406.8	377.3	348.0	318.6	289.4	260.7	232.8	205.0	177.3
-30°	451.9	423.2	394.6	366.2	337.7	309.6	281.2	253.8	226.5	199.3	172.8
-32.5°	437.2	409.4	381.8	354.5	326.8	299.7	272.5	246.2	219.8	193.3	168.1
-35°	421.5	395.0	368.4	341.7	315.7	289.3	263.4	238.0	212.7	187.0	163.1
-37.5°	405.0	379.9	354.2	328.7	303.6	278.5	253.9	229.4	205.1	180.5	157.9
-40°	388.1	363.7	339.4	315.3	291.0	267.3	243.9	220.4	197.0	173.9	152.4
-42.5°	369.9	346.9	324.1	301.3	278.2	255.7	233.3	211.1	188.5	167.1	146.6
-45°	351.1	329.8	308.5	286.7	265.2	243.7	222.4	201.4	179.9	160.0	140.8
-47.5°	332.2	312.4	292.2	271.9	251.7	231.3	211.3	191.1	171.5	152.8	134.8
-50°	313.1	294.4	275.6	256.8	237.8	218.7	199.8	180.6	162.8	145.4	128.6
-52.5°	293.4	276.3	259.0	241.4	223.6	205.9	187.7	170.5	154.0	137.9	122.4
-55°	273.8	258.1	242.0	225.7	209.3	192.7	176.0	160.3	145.1	130.3	116.1
-57.5°	254.1	239.5	224.8	209.9	194.8	179.3	164.4	149.9	136.2	122.7	109.7
-60°	234.2	221.0	207.6	193.9	179.9	166.4	152.8	139.8	127.2	115.1	103.3
-62.5°	214.4	202.5	190.2	177.9	165.7	153.4	141.4	129.5	118.4	107.5	97.0
-65°	194.7	183.9	173.2	162.3	151.5	140.8	130.0	119.5	109.6	100.1	90.8
-67.5°	175.3	166.0	156.6	147.1	137.7	128.2	118.9	109.7	101.0	92.7	84.6
-70°	156.4	148.4	140.3	132.2	124.1	116.0	108.0	100.1	92.6	85.4	78.4
-72.5°	138.1	131.3	124.6	117.8	111.0	104.2	97.5	90.8	84.4	78.4	72.6
-75°	120.6	115.2	109.6	104.0	98.4	92.8	87.2	81.8	76.5	71.6	66.9
-77.5°	104.1	99.7	95.3	90.8	86.4	81.9	77.6	73.2	69.0	65.2	61.4
-80°	88.4	85.1	81.8	78.5	75.1	71.7	68.4	65.1	61.8	59.0	56.0
-82.5°	74.0	71.7	69.4	67.0	64.5	62.2	59.8	57.4	55.1	53.1	51.0
-85°	61.0	59.5	58.0	56.4	54.9	53.4	51.8	50.2	48.7	47.5	46.2
-87.5°	49.2	48.5	47.7	46.9	46.1	45.2	44.4	43.6	42.7	42.2	41.7
-90°	38.9	38.8	38.7	38.6	38.6	38.5	38.4	38.3	38.2	38.1	38.1

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CATALOG NUMBER: BKHDR150CLD2D-MID-3000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	37.4	37.4	37.5	37.5	37.6	37.6	37.7
87.5°	41.8	41.1	40.5	39.8	39.1	38.4	37.7
85°	45.8	44.3	43.0	41.7	40.3	39.0	37.7
82.5°	49.9	47.8	45.7	43.6	41.6	39.7	37.7
80°	54.1	51.2	48.4	45.6	42.9	40.3	37.7
77.5°	58.6	54.8	51.1	47.6	44.1	40.9	37.7
75°	63.3	58.5	54.0	49.6	45.5	41.5	37.7
72.5°	68.1	62.3	56.7	51.7	46.8	42.1	37.7
70°	72.9	66.2	59.8	53.7	48.1	42.7	37.7
67.5°	77.8	70.2	62.8	55.8	49.4	43.3	37.7
65°	82.8	74.1	65.8	57.9	50.7	43.9	37.7
62.5°	87.9	78.1	68.9	60.0	52.0	44.5	37.7
60°	93.1	82.1	71.8	62.2	53.2	45.1	37.7
57.5°	98.2	86.1	74.8	64.2	54.5	45.7	37.7
55°	103.4	90.2	77.7	66.4	55.7	46.3	37.7
52.5°	108.4	94.2	80.6	68.4	56.9	46.8	37.7
50°	113.5	98.0	83.6	70.4	58.1	47.4	37.7
47.5°	118.4	102.0	86.5	72.3	59.3	47.9	37.7
45°	123.3	105.7	89.3	74.2	60.5	48.4	37.7
42.5°	128.0	109.4	92.0	76.0	61.6	48.9	37.7
40°	132.6	113.0	94.7	77.8	62.7	49.3	37.7
37.5°	137.0	116.4	97.2	79.4	63.7	49.7	37.7
35°	141.2	119.7	99.6	81.1	64.7	50.2	37.7
32.5°	145.2	122.8	101.9	82.7	65.6	50.6	37.7
30°	149.0	125.7	104.0	84.2	66.5	50.9	37.7
27.5°	152.5	128.4	106.0	85.5	67.3	51.3	37.7
25°	155.8	131.0	107.9	86.8	68.0	51.6	37.7
22.5°	158.8	133.4	109.6	88.0	68.7	51.9	37.7
20°	161.5	135.5	111.2	89.0	69.3	52.1	37.7
17.5°	164.0	137.3	112.6	90.0	69.9	52.4	37.7
15°	166.1	139.0	113.8	90.8	70.3	52.6	37.7
12.5°	167.9	140.4	114.9	91.5	70.7	52.7	37.7
10°	169.3	141.5	115.7	92.1	71.0	52.9	37.7
7.5°	170.5	142.4	116.4	92.5	71.3	53.0	37.7
5°	171.2	143.0	116.8	92.8	71.5	53.0	37.7
2.5°	171.7	143.4	117.1	93.0	71.6	53.1	37.7
0°	171.8	143.5	117.2	93.1	71.6	53.1	37.7
-2.5°	171.6	143.4	117.1	93.0	71.6	53.1	37.7
-5°	171.1	142.9	116.8	92.8	71.4	53.0	37.7
-7.5°	170.3	142.3	116.3	92.4	71.2	53.0	37.7
-10°	169.1	141.3	115.6	92.0	71.0	52.8	37.7
-12.5°	167.6	140.1	114.7	91.4	70.6	52.7	37.7
-15°	165.7	138.7	113.6	90.7	70.2	52.5	37.7
-17.5°	163.6	137.0	112.4	89.8	69.7	52.3	37.7
-20°	161.1	135.1	111.0	88.8	69.2	52.1	37.7

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.3	133.0	109.3	87.8	68.6	51.8	37.7
-25°	155.3	130.6	107.5	86.6	67.9	51.5	37.7
-27.5°	151.9	128.0	105.6	85.3	67.1	51.2	37.7
-30°	148.3	125.2	103.6	83.9	66.3	50.9	37.7
-32.5°	144.5	122.3	101.5	82.3	65.4	50.5	37.7
-35°	140.5	119.1	99.1	80.7	64.5	50.1	37.7
-37.5°	136.2	115.8	96.7	79.0	63.5	49.7	37.7
-40°	131.8	112.4	94.2	77.4	62.4	49.2	37.7
-42.5°	127.1	108.7	91.5	75.6	61.4	48.8	37.7
-45°	122.5	105.0	88.8	73.8	60.3	48.3	37.7
-47.5°	117.6	101.2	85.9	71.9	59.1	47.8	37.7
-50°	112.6	97.3	83.0	70.0	57.9	47.3	37.7
-52.5°	107.4	93.4	80.0	68.0	56.6	46.7	37.7
-55°	102.4	89.4	77.1	65.9	55.4	46.2	37.7
-57.5°	97.2	85.3	74.2	63.8	54.2	45.6	37.7
-60°	92.1	81.2	71.2	61.7	53.0	45.0	37.7
-62.5°	86.9	77.2	68.2	59.6	51.7	44.4	37.7
-65°	81.8	73.3	65.2	57.5	50.4	43.8	37.7
-67.5°	76.7	69.3	62.2	55.4	49.1	43.2	37.7
-70°	71.8	65.4	59.2	53.3	47.8	42.6	37.7
-72.5°	67.0	61.5	56.2	51.3	46.5	42.0	37.7
-75°	62.3	57.7	53.4	49.2	45.2	41.4	37.7
-77.5°	57.7	54.1	50.6	47.2	43.9	40.8	37.7
-80°	53.3	50.5	47.8	45.2	42.6	40.2	37.7
-82.5°	49.0	47.1	45.1	43.2	41.4	39.5	37.7
-85°	45.0	43.7	42.5	41.3	40.1	38.9	37.7
-87.5°	41.1	40.6	40.0	39.4	38.9	38.3	37.7
-90°	38.0	38.0	37.9	37.9	37.8	37.8	37.7

(END OF REPORT)