

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: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-MID-6500K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209902 (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-6500K
Description: BULK HEAD 2800LM SEL 5CCT UNV D2D BRONZE at 6500K CCT

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

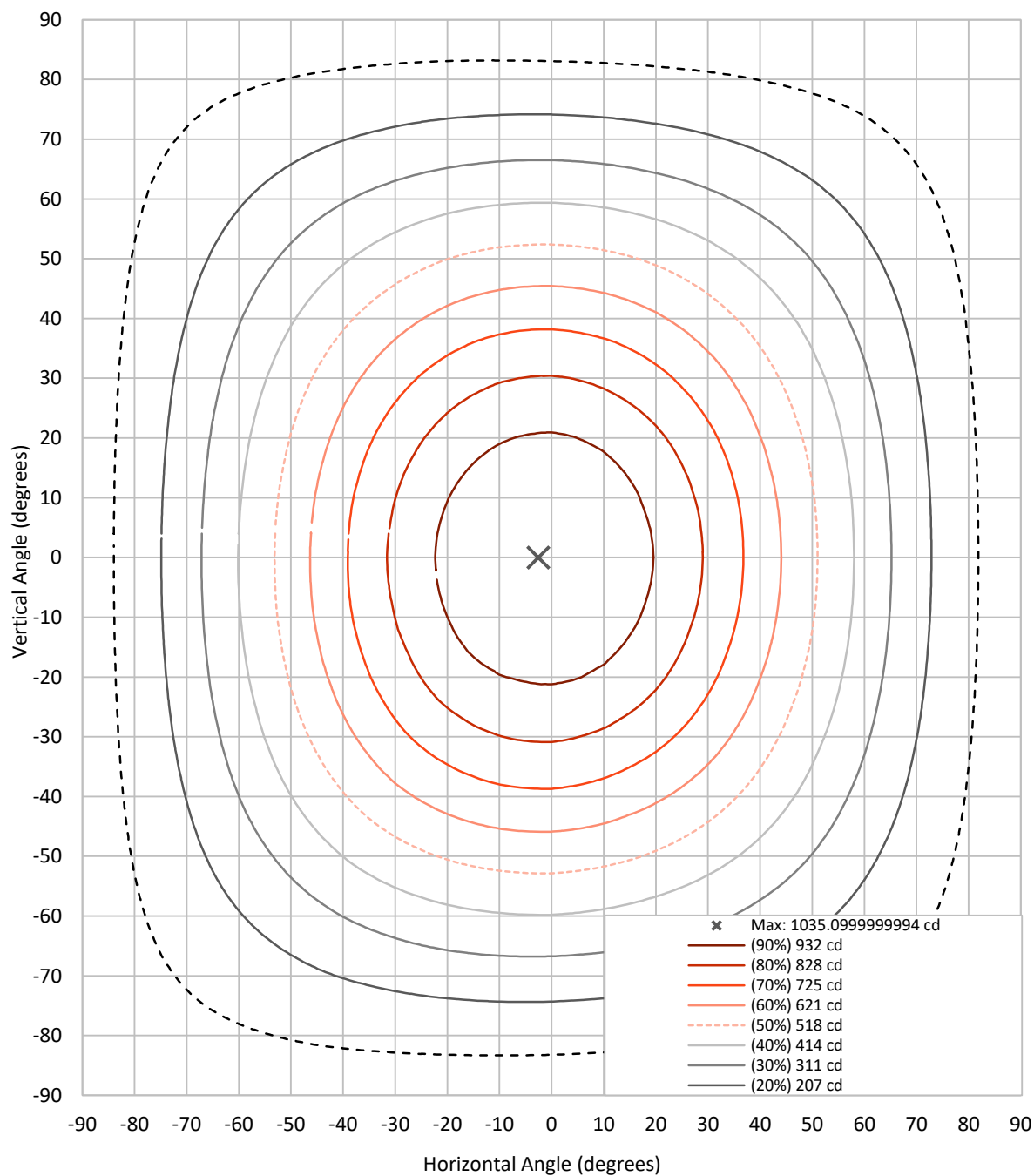
Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	2804.1 lumens	Max Intensity:	1035.1 candela
Efficiency:	134.3%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	116.8 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:	1853.9 lumens	Field Lumens:	2747.5 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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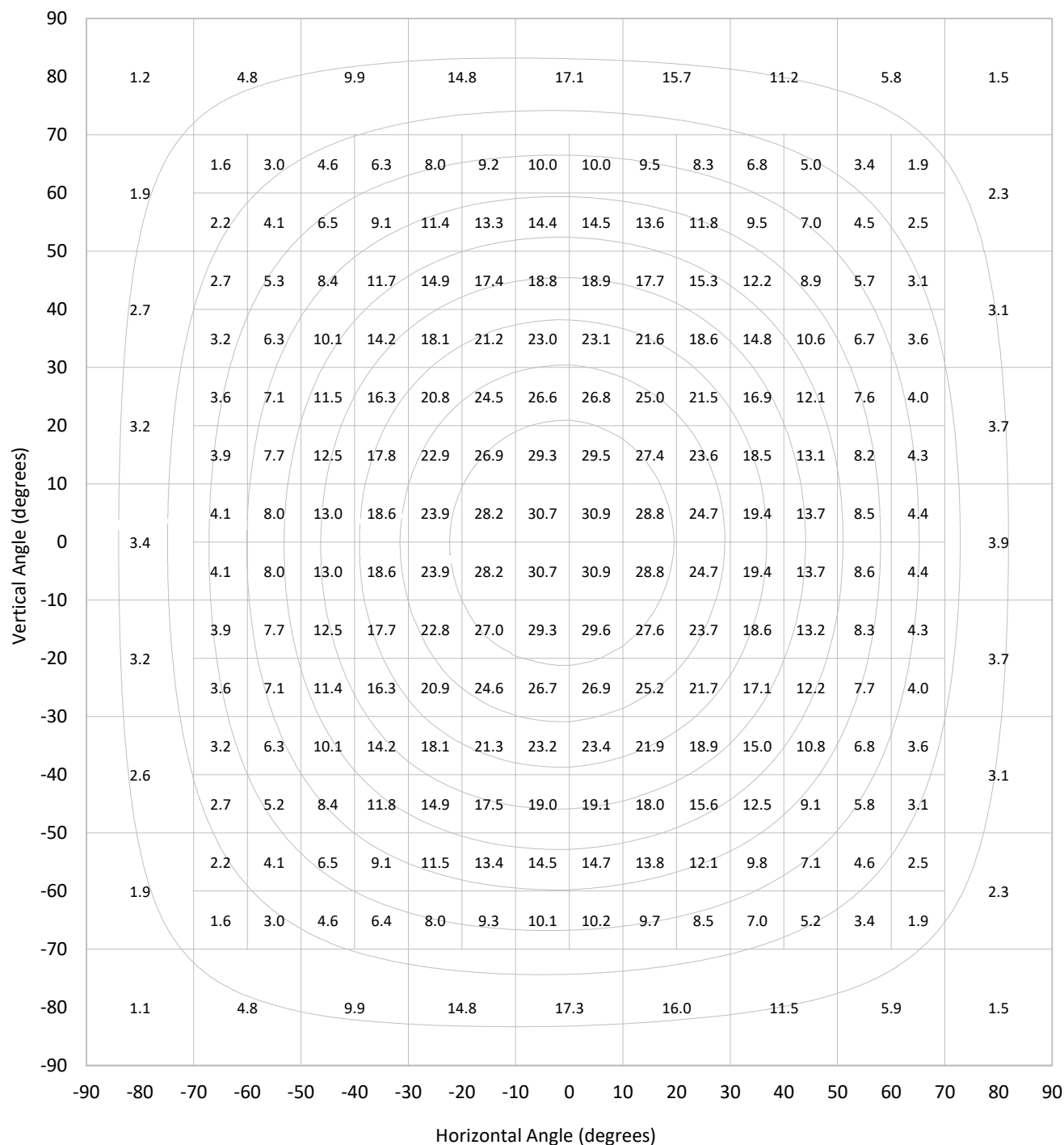
CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

Iso-Candela Plot



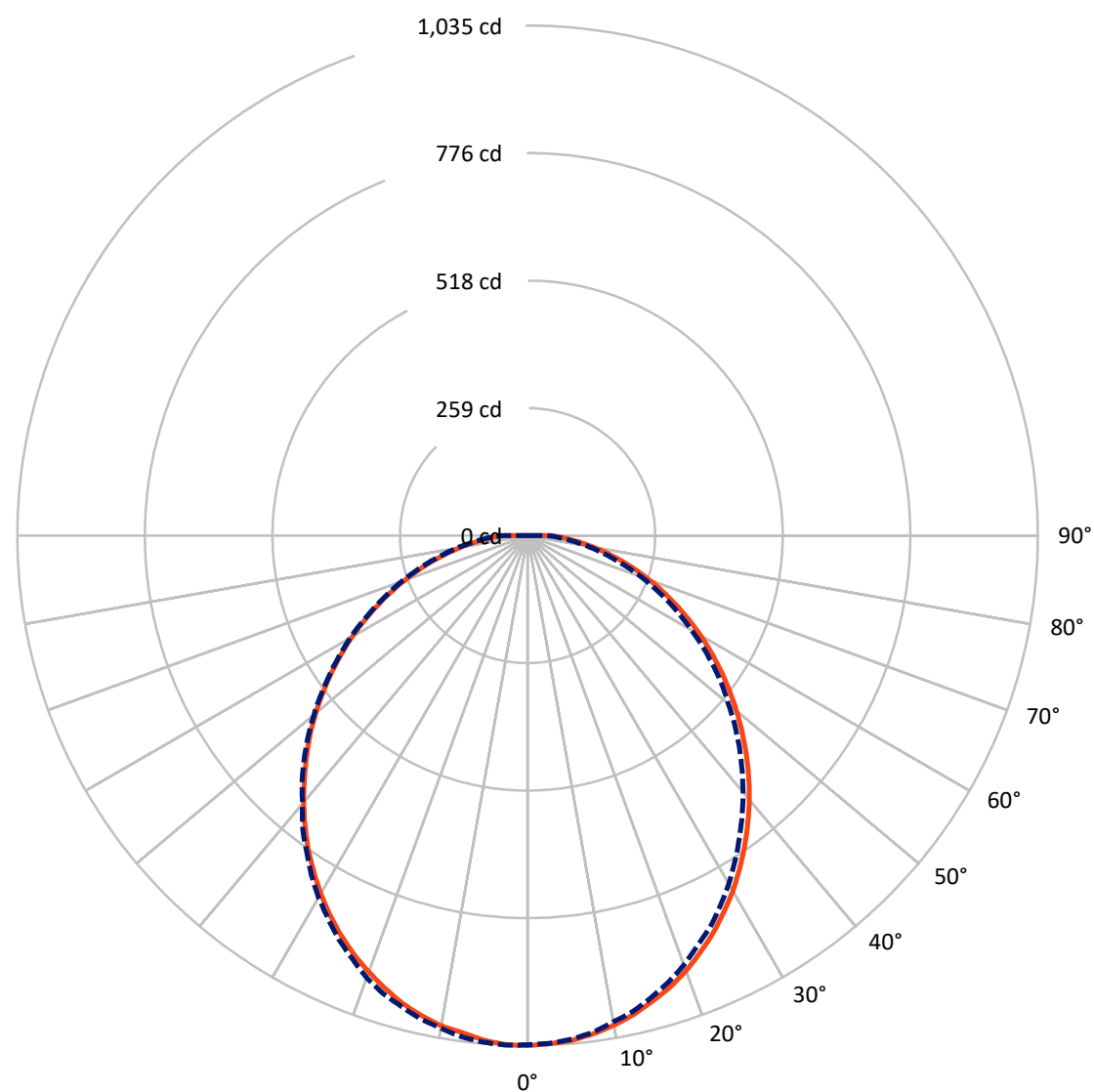
REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)
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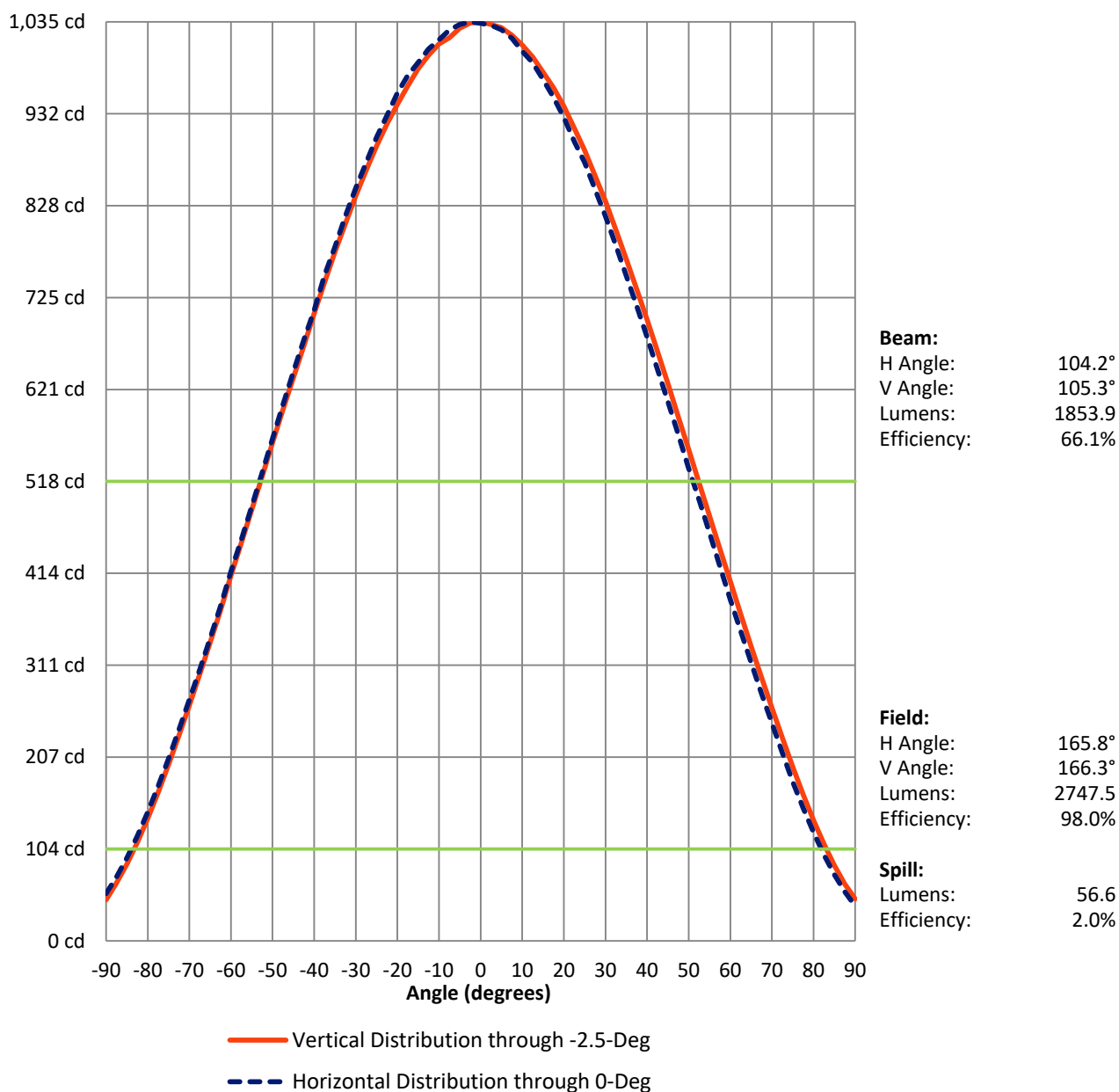
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Plot



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CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.6
87.5°	53.3	54.1	54.8	55.6	56.3	57.1	57.8	58.6	59.3	60.0	60.5
85°	53.3	54.8	56.4	57.9	59.4	61.0	62.6	64.1	65.7	67.2	68.6
82.5°	53.3	55.6	57.9	60.2	62.6	65.0	67.4	69.9	72.4	74.8	77.1
80°	53.3	56.4	59.4	62.6	65.9	69.2	72.5	75.9	79.4	82.8	86.1
77.5°	53.3	57.1	61.0	65.1	69.2	73.4	77.7	82.2	86.7	91.2	95.6
75°	53.3	57.9	62.6	67.5	72.6	77.8	83.1	88.6	94.2	99.9	105.4
72.5°	53.3	58.6	64.2	70.0	75.9	82.2	88.7	95.3	102.0	108.8	115.6
70°	53.3	59.4	65.8	72.4	79.4	86.7	94.2	102.0	110.0	118.0	126.1
67.5°	53.3	60.1	67.3	74.9	82.9	91.3	100.0	108.9	118.1	127.4	136.9
65°	53.3	60.8	68.9	77.4	86.4	95.9	105.7	115.9	126.3	137.0	147.8
62.5°	53.3	61.6	70.4	79.9	89.9	100.5	111.5	122.8	134.6	146.7	158.9
60°	53.3	62.3	72.0	82.3	93.3	105.1	117.3	129.9	143.0	156.4	170.1
57.5°	53.3	63.0	73.5	84.7	96.9	109.7	123.0	137.0	151.4	166.2	181.2
55°	53.3	63.7	74.9	87.2	100.3	114.2	128.8	144.0	159.8	175.9	192.3
52.5°	53.3	64.4	76.3	89.5	103.7	118.7	134.5	151.0	168.0	185.5	203.3
50°	53.3	65.0	77.8	91.8	107.1	123.0	140.1	157.9	176.2	195.0	214.2
47.5°	53.3	65.6	79.2	94.1	110.3	127.5	145.6	164.6	184.2	204.4	224.8
45°	53.3	66.2	80.6	96.3	113.4	131.7	151.1	171.2	192.0	213.5	235.2
42.5°	53.3	66.8	81.9	98.5	116.5	135.9	156.3	177.6	199.7	222.4	245.4
40°	53.3	67.3	83.1	100.6	119.5	139.8	161.4	183.8	207.1	231.0	255.2
37.5°	53.3	67.9	84.3	102.6	122.3	143.6	166.2	189.7	214.2	239.2	264.8
35°	53.3	68.4	85.4	104.5	125.0	147.3	170.8	195.5	221.0	247.1	273.9
32.5°	53.3	68.9	86.5	106.3	127.7	150.8	175.3	200.9	227.6	254.6	282.5
30°	53.3	69.3	87.5	107.9	130.1	154.1	179.5	206.0	233.7	261.8	290.5
27.5°	53.3	69.7	88.4	109.5	132.4	157.2	183.4	210.8	239.3	268.6	298.0
25°	53.3	70.1	89.3	110.9	134.5	160.1	187.0	215.3	244.6	274.8	305.1
22.5°	53.3	70.5	90.1	112.2	136.5	162.6	190.3	219.4	249.5	280.5	311.6
20°	53.3	70.8	90.8	113.4	138.2	165.0	193.2	223.2	253.9	285.6	317.4
17.5°	53.3	71.1	91.4	114.5	139.8	167.0	196.0	226.6	257.8	290.1	322.6
15°	53.3	71.3	92.0	115.5	141.2	168.9	198.4	229.6	261.4	294.0	327.2
12.5°	53.3	71.5	92.4	116.3	142.3	170.5	200.4	232.1	264.4	297.3	331.2
10°	53.3	71.7	92.8	116.9	143.3	171.8	202.1	234.1	266.9	300.2	334.6
7.5°	53.3	71.8	93.1	117.4	144.0	172.8	203.4	235.7	268.9	302.4	337.2
5°	53.3	71.9	93.3	117.8	144.6	173.6	204.3	236.9	270.4	304.1	339.2
2.5°	53.3	72.0	93.5	118.0	144.9	174.0	204.9	237.6	271.3	305.1	340.4
0°	53.3	72.0	93.5	118.1	145.0	174.2	205.1	237.8	271.6	305.4	340.8
-2.5°	53.3	72.0	93.5	118.0	144.9	174.1	205.0	237.7	271.5	305.4	340.8
-5°	53.3	71.9	93.3	117.8	144.6	173.7	204.6	237.2	270.8	304.6	340.0
-7.5°	53.3	71.8	93.1	117.5	144.1	173.0	203.7	236.2	269.7	303.2	338.4
-10°	53.3	71.7	92.9	117.0	143.4	172.1	202.5	234.7	267.9	301.2	336.1
-12.5°	53.3	71.5	92.5	116.3	142.5	170.8	201.0	232.8	265.6	298.6	333.0
-15°	53.3	71.3	92.0	115.6	141.4	169.2	199.1	230.5	262.9	295.5	329.1
-17.5°	53.3	71.1	91.5	114.6	140.1	167.4	196.8	227.6	259.6	291.8	324.9
-20°	53.3	70.8	90.9	113.6	138.5	165.4	194.1	224.4	255.7	287.6	320.0

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	53.3	70.5	90.2	112.4	136.8	163.1	191.2	220.7	251.4	282.8	314.5
-25°	53.3	70.1	89.4	111.1	134.8	160.6	187.9	216.7	246.6	277.4	308.1
-27.5°	53.3	69.8	88.5	109.7	132.7	157.7	184.4	212.4	241.4	271.5	301.1
-30°	53.3	69.3	87.6	108.1	130.5	154.7	180.5	207.7	235.8	265.0	293.8
-32.5°	53.3	68.9	86.6	106.5	128.1	151.4	176.3	202.6	229.7	258.0	286.1
-35°	53.3	68.4	85.5	104.7	125.4	148.0	171.9	197.2	223.3	250.3	277.9
-37.5°	53.3	67.9	84.4	102.8	122.7	144.3	167.2	191.5	216.5	242.3	269.1
-40°	53.3	67.4	83.2	100.8	119.9	140.5	162.3	185.4	209.6	234.0	259.7
-42.5°	53.3	66.8	82.0	98.8	116.9	136.5	157.2	179.1	202.2	225.4	249.4
-45°	53.3	66.2	80.7	96.6	113.8	132.4	152.0	172.7	194.4	216.5	239.0
-47.5°	53.3	65.7	79.3	94.3	110.7	128.1	146.6	166.0	186.4	207.5	228.5
-50°	53.3	65.0	77.9	92.1	107.5	123.7	141.1	159.1	178.1	198.0	217.9
-52.5°	53.3	64.4	76.4	89.8	104.1	119.3	135.4	152.3	169.8	188.2	207.1
-55°	53.3	63.7	75.0	87.4	100.7	114.7	129.7	145.3	161.3	178.2	195.7
-57.5°	53.3	63.0	73.5	85.0	97.3	110.2	123.9	138.2	152.9	168.3	184.0
-60°	53.3	62.3	72.0	82.5	93.7	105.6	118.0	131.0	144.5	158.1	172.6
-62.5°	53.3	61.6	70.5	80.1	90.3	101.0	112.1	123.9	135.9	148.4	161.0
-65°	53.3	60.8	68.9	77.6	86.7	96.4	106.4	116.7	127.6	138.6	149.9
-67.5°	53.3	60.1	67.4	75.0	83.2	91.7	100.6	109.7	119.2	128.9	138.7
-70°	53.3	59.4	65.8	72.6	79.7	87.1	94.9	102.8	110.9	119.3	127.8
-72.5°	53.3	58.7	64.3	70.1	76.2	82.6	89.2	96.0	102.9	109.9	117.0
-75°	53.3	57.9	62.7	67.6	72.8	78.1	83.6	89.3	95.1	100.9	106.7
-77.5°	53.3	57.2	61.1	65.2	69.3	73.7	78.2	82.7	87.4	92.2	96.8
-80°	53.3	56.4	59.5	62.7	66.0	69.4	72.9	76.3	80.0	83.5	87.1
-82.5°	53.3	55.6	58.0	60.3	62.8	65.2	67.6	70.2	72.8	75.4	77.9
-85°	53.3	54.9	56.4	58.0	59.6	61.1	62.8	64.4	66.0	67.5	69.1
-87.5°	53.3	54.1	54.9	55.7	56.5	57.3	58.0	58.8	59.6	60.3	61.0
-90°	53.3	53.3	53.3	53.3	53.3	53.2	53.2	53.2	53.2	53.2	53.0

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	53.5	53.5	53.4	53.4	53.3	53.3	53.2	53.2	52.9	52.5	52.2
87.5°	61.0	61.6	62.0	62.5	63.0	63.4	63.8	64.2	64.5	64.8	65.1
85°	69.9	71.2	72.5	73.7	74.9	76.2	77.3	78.4	79.5	80.5	81.4
82.5°	79.3	81.6	83.7	85.9	88.1	90.1	92.1	94.1	96.0	97.8	99.6
80°	89.4	92.6	95.9	99.0	102.1	105.3	108.3	111.2	114.1	116.8	119.4
77.5°	99.9	104.3	108.6	112.9	117.2	121.4	125.5	129.5	133.3	137.0	140.6
75°	111.0	116.5	122.0	127.6	133.0	138.4	143.5	148.7	153.6	158.5	163.2
72.5°	122.4	129.2	136.0	142.8	149.5	156.0	162.5	168.9	175.0	181.0	186.7
70°	134.2	142.3	150.4	158.5	166.5	174.5	182.2	189.6	197.4	204.9	211.8
67.5°	146.3	155.7	165.3	174.8	184.1	193.4	202.8	212.0	220.9	229.1	237.1
65°	158.6	169.6	180.4	191.2	202.3	213.2	223.8	234.1	244.2	253.6	262.8
62.5°	171.2	183.4	195.8	208.3	220.6	232.8	244.7	256.2	267.6	278.4	288.8
60°	183.7	197.5	211.4	225.2	238.9	252.4	265.7	278.7	291.3	303.3	314.9
57.5°	196.3	211.6	226.8	242.0	257.1	272.1	286.7	301.0	314.9	328.6	341.4
55°	208.9	225.5	242.1	258.8	275.4	291.7	307.6	323.5	338.8	353.7	368.0
52.5°	221.3	239.3	257.4	275.5	293.5	311.1	328.7	345.8	362.5	379.0	394.7
50°	233.4	252.9	272.5	292.0	311.2	330.5	349.3	367.9	386.3	404.1	420.9
47.5°	245.4	266.4	287.3	308.1	329.0	349.5	369.8	390.2	409.9	428.7	446.7
45°	257.2	279.5	301.8	324.0	346.2	368.1	390.3	412.1	432.8	452.9	472.3
42.5°	268.8	292.3	315.8	339.5	362.9	386.7	410.6	433.1	455.2	476.6	497.3
40°	279.9	304.6	329.5	354.4	379.3	405.2	429.7	453.7	477.1	499.8	521.9
37.5°	290.6	316.5	342.7	368.8	396.0	422.6	448.3	473.7	498.2	522.4	546.0
35°	300.7	327.9	355.3	382.8	412.0	439.2	466.3	492.7	518.8	544.4	569.2
32.5°	310.4	338.9	367.4	397.1	426.4	455.0	483.3	511.1	538.6	565.4	591.5
30°	319.5	349.2	378.8	410.5	440.4	470.2	499.4	528.7	557.4	585.5	612.7
27.5°	328.1	358.9	390.1	422.5	453.2	484.3	515.0	545.4	575.3	604.4	632.6
25°	336.3	368.0	400.8	433.5	465.5	497.3	529.3	560.8	591.9	622.1	651.5
22.5°	343.7	376.1	410.8	443.6	476.8	509.6	542.6	575.3	607.3	638.4	668.9
20°	350.5	383.5	419.5	452.7	486.7	521.0	554.8	588.4	621.4	653.4	685.1
17.5°	356.5	390.8	427.0	460.9	495.7	530.5	565.6	600.2	633.9	666.7	699.2
15°	361.9	397.3	433.6	468.6	503.6	539.4	575.3	610.7	644.9	678.7	711.6
12.5°	366.6	402.8	439.1	475.2	510.9	547.3	583.7	620.1	654.4	689.0	722.4
10°	370.4	407.4	443.6	480.2	517.0	553.8	590.6	627.8	662.1	697.7	731.7
7.5°	373.2	411.1	447.2	484.1	521.6	558.8	596.1	633.4	668.2	703.6	739.1
5°	375.3	413.7	449.8	487.0	524.7	562.5	600.2	637.4	672.8	707.6	744.7
2.5°	376.6	415.4	451.4	488.7	526.6	564.8	602.8	639.9	675.6	709.7	748.3
0°	377.0	416.1	452.0	489.4	527.3	565.8	603.9	640.9	676.6	710.3	749.7
-2.5°	377.0	415.8	451.9	489.2	527.2	565.5	603.6	640.5	676.3	710.3	748.8
-5°	376.2	414.5	450.7	488.0	525.8	563.8	601.8	638.6	674.3	708.8	745.9
-7.5°	374.5	412.2	448.6	485.6	523.3	560.8	598.7	635.2	670.6	705.6	741.1
-10°	372.0	408.9	445.4	482.1	519.2	556.4	593.9	630.2	665.1	700.6	734.2
-12.5°	368.6	404.7	441.3	477.4	513.9	550.6	587.3	623.2	657.6	692.7	725.5
-15°	364.4	399.6	436.0	471.4	507.4	543.3	579.4	614.7	648.9	683.4	715.3
-17.5°	359.5	394.0	429.8	464.4	499.8	535.0	570.5	606.0	638.5	672.5	704.3
-20°	353.9	387.7	422.6	456.6	491.0	525.6	560.3	595.1	626.5	658.8	691.4

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	347.6	380.5	414.4	448.0	481.1	515.2	548.7	581.6	613.8	644.9	676.2
-25°	340.3	372.3	404.8	437.9	470.4	503.6	535.8	568.0	601.0	629.2	658.6
-27.5°	332.1	363.8	395.4	427.1	459.0	490.4	521.7	553.1	583.2	613.2	641.4
-30°	323.7	354.7	385.2	415.6	446.3	476.2	507.4	536.8	566.1	595.2	622.4
-32.5°	314.9	344.8	373.3	402.7	432.1	462.1	490.9	519.7	547.9	575.1	602.5
-35°	305.0	333.3	362.1	391.1	418.2	446.4	473.9	501.8	528.4	554.7	579.9
-37.5°	295.0	322.0	350.1	376.0	402.8	429.6	456.7	482.3	508.5	533.2	557.3
-40°	284.7	310.1	336.2	362.1	387.9	412.5	437.9	463.0	487.2	511.0	533.9
-42.5°	274.0	297.6	322.3	347.5	370.6	395.4	418.7	442.6	465.4	487.9	509.6
-45°	262.8	285.2	307.9	330.8	354.3	376.0	399.2	421.1	443.3	464.1	484.6
-47.5°	250.4	272.5	293.3	314.9	336.4	357.7	378.3	399.6	419.7	440.1	459.1
-50°	237.9	258.9	278.7	298.3	318.5	338.4	357.8	376.6	396.3	414.7	433.0
-52.5°	225.5	244.3	263.8	282.0	300.2	318.6	336.8	354.5	371.5	389.0	405.8
-55°	213.2	230.1	247.6	265.3	282.1	298.8	315.4	331.8	347.9	362.7	377.4
-57.5°	200.4	216.1	231.8	247.7	263.8	279.0	294.1	308.9	323.4	337.7	350.5
-60°	187.1	201.9	216.2	230.4	244.8	259.0	272.7	286.2	299.4	311.8	323.4
-62.5°	174.1	187.2	200.5	213.4	226.1	238.8	251.2	263.4	275.0	286.3	296.8
-65°	161.2	172.9	184.5	196.2	207.7	218.8	229.9	240.7	251.1	260.6	269.8
-67.5°	148.7	158.6	169.0	179.1	189.1	199.1	208.9	218.2	227.4	235.8	243.7
-70°	136.3	145.0	153.6	162.3	171.1	179.6	187.9	196.1	203.9	211.1	217.8
-72.5°	124.3	131.6	138.9	146.1	153.4	160.5	167.8	174.7	180.9	186.7	192.3
-75°	112.5	118.5	124.5	130.5	136.4	142.2	147.9	153.6	158.8	163.5	168.0
-77.5°	101.4	106.1	110.7	115.3	120.0	124.6	129.2	133.7	137.6	141.1	144.4
-80°	90.7	94.2	97.8	101.3	104.8	108.1	111.4	114.6	117.4	120.0	122.4
-82.5°	80.4	82.9	85.3	87.8	90.2	92.5	94.8	97.2	99.0	100.7	102.3
-85°	70.7	72.2	73.8	75.2	76.7	78.1	79.5	80.8	81.8	82.6	83.4
-87.5°	61.7	62.4	63.1	63.8	64.4	65.0	65.6	66.2	66.4	66.6	66.7
-90°	52.8	52.6	52.4	52.1	51.9	51.7	51.5	51.3	51.1	50.9	50.7

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	51.8	51.5	51.1	50.8	50.4	50.1	49.8	49.4	49.1	48.7	48.4
87.5°	65.4	65.7	65.9	66.1	66.2	66.3	66.2	66.0	65.8	65.5	65.2
85°	82.4	83.2	84.0	84.7	85.4	85.9	86.1	86.2	86.2	86.2	86.0
82.5°	101.2	102.8	104.3	105.6	106.8	107.9	108.6	109.1	109.5	109.7	109.8
80°	121.9	124.3	126.4	128.4	130.3	132.0	133.2	134.2	135.0	135.6	136.0
77.5°	144.0	147.2	150.2	153.0	155.8	158.3	160.3	161.8	163.1	164.0	164.7
75°	167.7	171.9	175.8	179.5	183.0	186.1	188.6	190.7	192.5	193.9	195.0
72.5°	192.3	197.8	202.7	207.3	211.4	215.0	218.2	220.9	223.1	225.1	226.7
70°	218.4	224.4	230.1	235.5	240.5	245.1	249.1	252.7	255.7	258.1	260.0
67.5°	244.7	251.9	258.7	265.1	270.9	276.2	280.9	285.0	288.5	291.4	293.7
65°	271.6	279.8	287.6	294.8	301.6	307.8	313.2	317.8	321.9	325.3	328.0
62.5°	298.7	308.0	316.8	325.1	332.7	339.8	346.4	351.9	356.6	360.4	363.4
60°	326.1	336.6	346.7	356.1	364.7	372.5	379.5	386.1	391.6	396.2	399.9
57.5°	353.8	365.6	376.7	387.3	397.3	406.6	415.0	422.1	427.7	432.3	436.0
55°	381.7	394.9	407.4	419.3	430.1	439.6	448.3	455.9	462.4	467.9	472.3
52.5°	409.6	424.1	437.4	449.9	461.6	472.4	482.4	491.0	497.6	503.8	508.8
50°	437.0	452.5	467.1	480.9	493.7	505.6	516.5	525.6	533.7	540.7	546.0
47.5°	464.2	480.8	496.6	511.7	525.4	538.6	550.6	560.9	568.6	575.7	581.7
45°	490.8	508.8	525.9	542.4	557.5	570.5	582.8	594.1	603.9	611.7	618.2
42.5°	517.2	536.6	555.1	572.0	587.9	602.9	616.4	628.4	638.8	647.1	653.5
40°	543.3	563.7	583.2	601.6	618.8	634.4	648.9	661.2	672.1	681.2	688.5
37.5°	568.6	590.3	610.8	630.2	648.5	665.0	680.0	693.4	706.2	714.8	722.4
35°	593.1	615.9	637.4	658.1	677.3	694.8	710.9	724.8	737.9	748.5	755.6
32.5°	616.6	640.4	663.3	685.0	704.9	723.3	740.6	755.3	767.8	779.3	788.1
30°	638.8	664.0	688.1	710.3	731.4	751.3	768.5	784.5	798.8	811.3	819.5
27.5°	660.0	686.5	711.2	734.7	757.0	777.4	795.9	812.8	825.9	837.3	847.3
25°	680.2	707.3	733.2	757.9	780.9	801.7	820.8	837.3	852.3	865.2	874.4
22.5°	698.4	726.7	753.9	779.3	802.7	824.2	844.0	861.8	876.5	890.0	901.0
20°	715.5	744.7	772.4	798.6	822.7	845.2	865.7	883.3	899.5	913.0	923.2
17.5°	730.7	760.8	789.2	816.0	841.0	864.1	884.7	903.3	919.5	933.1	943.7
15°	744.2	774.9	804.1	831.4	857.1	880.8	902.0	920.8	937.5	951.5	962.4
12.5°	756.1	786.7	816.8	845.0	871.3	895.2	916.7	936.2	953.2	967.6	979.3
10°	765.8	796.8	827.4	855.8	883.0	907.2	929.4	949.2	966.4	981.0	992.2
7.5°	773.1	804.8	835.9	864.4	891.8	917.0	939.1	959.7	976.7	991.0	1002.8
5°	778.0	810.8	842.2	870.6	898.6	924.8	946.7	966.7	984.1	998.8	1010.8
2.5°	780.8	814.7	846.3	874.8	903.1	928.4	952.1	971.9	988.1	1003.0	1014.7
0°	781.8	816.3	848.0	876.5	905.1	929.7	954.9	974.7	989.4	1004.6	1014.9
-2.5°	781.4	815.3	846.8	875.5	903.7	928.7	952.6	972.4	988.5	1003.0	1014.6
-5°	779.2	811.8	843.0	872.2	899.8	925.2	947.9	968.1	986.4	998.8	1011.1
-7.5°	775.1	806.5	836.3	866.1	893.8	918.8	941.1	961.5	978.3	992.7	1004.1
-10°	768.4	799.8	829.0	856.9	885.0	910.2	931.5	951.3	968.9	984.3	996.0
-12.5°	758.7	790.3	820.3	848.3	875.4	898.9	920.5	941.0	956.3	971.9	982.3
-15°	748.0	778.9	808.0	833.7	860.6	885.5	907.4	926.8	944.2	954.8	965.2
-17.5°	735.4	765.5	795.1	821.8	846.0	870.7	890.9	910.0	926.4	938.6	947.5
-20°	721.1	750.3	779.2	805.7	829.8	851.6	873.9	890.4	905.3	917.0	928.6

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	705.7	733.8	760.6	787.8	811.6	833.4	851.6	869.7	883.3	894.7	903.6
-25°	688.6	715.7	741.8	766.9	791.3	812.4	830.0	845.6	860.0	871.0	879.6
-27.5°	668.5	696.2	721.2	744.8	767.7	788.4	805.3	820.3	835.1	846.4	854.6
-30°	648.9	673.4	699.3	722.0	742.4	760.8	778.9	793.5	806.1	816.6	826.2
-32.5°	627.8	651.7	673.6	697.3	716.5	734.3	749.7	764.5	777.0	787.1	795.6
-35°	604.9	628.8	650.6	668.8	688.3	705.7	721.0	734.8	745.9	755.8	764.1
-37.5°	580.4	602.8	624.5	643.0	659.0	675.1	689.4	702.9	714.2	724.3	731.2
-40°	555.7	576.6	595.7	614.3	630.9	645.5	658.2	670.9	680.1	688.7	696.3
-42.5°	530.5	549.4	567.2	584.0	599.6	614.4	626.9	638.0	647.5	655.5	661.9
-45°	504.3	521.7	538.1	553.5	568.3	581.6	593.7	604.5	613.7	620.8	626.5
-47.5°	476.6	493.4	508.5	522.9	536.1	548.4	559.7	570.1	578.3	585.2	590.6
-50°	449.2	464.1	478.4	492.0	504.2	515.4	525.2	534.3	542.0	548.3	553.6
-52.5°	420.3	435.1	448.3	460.4	471.7	482.1	491.4	499.6	506.5	512.0	516.4
-55°	391.8	405.1	417.0	428.6	439.2	448.7	457.1	464.5	470.7	475.8	479.9
-57.5°	362.8	374.5	386.1	396.7	406.0	414.6	422.4	429.3	435.0	439.7	443.3
-60°	334.7	345.5	355.5	364.8	372.9	381.1	388.5	394.0	398.8	403.1	406.5
-62.5°	306.7	315.8	324.7	333.1	341.0	348.3	354.9	359.8	363.5	366.6	369.1
-65°	278.7	287.2	295.0	302.4	308.9	314.7	320.0	324.4	328.1	331.2	333.6
-67.5°	251.2	258.2	264.9	271.4	277.4	282.7	287.3	291.1	294.2	296.7	298.5
-70°	224.3	230.6	236.4	241.7	246.5	250.7	254.2	257.2	260.0	262.2	263.8
-72.5°	197.7	202.9	207.9	212.3	216.3	220.0	223.2	225.7	227.8	229.4	230.6
-75°	172.1	176.1	179.8	183.2	186.3	189.1	191.6	193.8	195.7	197.1	198.1
-77.5°	147.6	150.7	153.5	156.1	158.4	160.5	162.2	163.7	165.0	166.0	166.7
-80°	124.7	127.0	129.1	131.0	132.6	134.0	135.2	136.1	136.9	137.5	137.9
-82.5°	103.7	105.0	106.2	107.3	108.3	109.1	109.8	110.3	110.8	111.1	111.2
-85°	84.2	84.9	85.5	86.0	86.5	86.8	87.1	87.2	87.3	87.3	87.2
-87.5°	66.8	66.9	67.0	67.0	67.0	67.0	66.9	66.8	66.7	66.5	66.3
-90°	50.5	50.2	50.0	49.8	49.6	49.4	49.0	48.6	48.2	47.8	47.4

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	48.0	47.7	47.3	47.0	46.6	46.1	45.7	45.2	44.8	44.3	43.9
87.5°	64.9	64.5	64.1	63.7	63.3	62.9	62.5	62.0	61.5	60.9	60.4
85°	85.8	85.5	85.1	84.6	84.1	83.6	83.0	82.3	81.5	80.6	79.7
82.5°	109.8	109.6	109.3	108.8	108.2	107.5	106.7	105.7	104.6	103.3	101.9
80°	136.1	136.1	135.9	135.4	134.8	133.9	132.8	131.5	130.0	128.3	126.5
77.5°	165.1	165.2	165.0	164.6	163.8	162.8	161.5	159.9	158.1	156.0	153.6
75°	195.7	196.1	196.1	195.7	194.8	193.6	191.9	189.9	187.6	184.9	182.0
72.5°	227.9	228.6	228.9	228.7	227.6	226.1	224.1	221.6	218.7	215.4	211.9
70°	261.4	262.2	262.5	262.3	261.1	259.4	257.2	254.5	251.2	247.5	243.3
67.5°	295.3	296.4	296.8	296.7	295.4	293.6	291.2	288.2	284.6	280.3	275.4
65°	330.0	331.2	331.8	331.6	330.4	328.4	325.7	322.4	318.3	313.5	308.0
62.5°	365.8	367.3	368.1	368.0	366.6	364.3	361.3	357.4	352.7	347.3	341.1
60°	402.6	404.3	405.1	404.9	403.4	400.9	397.5	393.1	387.8	381.6	375.0
57.5°	438.8	440.7	441.6	441.4	440.0	437.6	434.3	429.9	424.5	418.0	410.5
55°	475.6	477.8	478.8	478.6	477.0	474.3	470.5	465.5	459.4	452.5	444.8
52.5°	512.5	514.7	515.8	515.7	514.1	511.3	507.2	501.7	495.1	487.4	478.9
50°	549.9	552.4	553.5	553.3	551.6	548.6	544.3	538.8	531.9	523.5	513.8
47.5°	586.2	589.0	590.3	590.2	588.6	585.6	581.2	574.9	567.0	557.7	547.7
45°	623.0	626.2	627.8	627.8	625.9	622.6	617.7	611.5	603.2	593.2	582.0
42.5°	658.3	662.0	664.0	664.3	662.0	658.0	652.3	645.6	637.6	627.4	615.8
40°	694.3	698.1	699.8	699.6	697.7	694.0	688.5	681.0	671.2	659.7	647.3
37.5°	728.3	732.2	734.1	734.0	731.6	727.1	720.8	713.6	704.9	693.8	679.7
35°	761.6	765.8	767.8	767.8	765.4	761.1	754.8	746.6	737.0	723.2	709.9
32.5°	794.7	798.9	800.8	800.4	798.1	793.4	786.7	777.9	766.8	754.0	739.8
30°	825.6	830.4	833.2	833.7	830.6	825.2	817.6	808.4	797.4	783.5	768.1
27.5°	854.9	859.9	861.8	861.6	859.0	854.1	846.6	837.2	824.5	810.5	795.4
25°	882.8	887.8	890.4	890.4	887.6	882.3	874.3	863.9	851.4	837.3	820.1
22.5°	908.9	913.2	915.5	915.5	912.7	907.5	899.7	889.3	876.5	860.8	843.9
20°	931.3	936.6	940.1	941.1	937.9	931.6	923.0	912.3	898.9	883.0	865.0
17.5°	953.5	957.9	961.1	961.4	958.3	952.3	943.8	933.8	919.5	903.5	883.8
15°	970.7	976.7	978.4	978.6	975.6	970.0	961.3	950.7	936.8	920.8	901.6
12.5°	986.8	992.5	995.7	996.1	992.6	987.1	978.3	966.2	952.0	934.6	916.0
10°	1000.7	1005.2	1009.0	1009.8	1005.3	1000.7	991.0	979.5	964.9	948.1	926.6
7.5°	1011.5	1017.6	1020.1	1020.3	1015.7	1011.1	1002.1	989.9	975.4	957.1	935.5
5°	1019.6	1025.1	1028.5	1027.8	1022.6	1019.5	1009.8	997.9	982.2	965.0	944.5
2.5°	1024.1	1029.7	1032.2	1030.9	1028.7	1022.0	1013.3	1001.7	987.6	969.2	948.9
0°	1026.0	1032.2	1035.1	1033.5	1031.4	1026.2	1016.6	1002.0	989.1	970.2	950.2
-2.5°	1024.3	1030.9	1033.9	1031.2	1028.4	1022.0	1013.3	1000.5	986.9	968.3	948.4
-5°	1020.2	1025.7	1028.0	1028.0	1022.8	1017.5	1008.1	996.0	981.1	963.6	943.7
-7.5°	1013.0	1017.5	1017.3	1020.1	1017.4	1009.1	1001.0	989.0	974.1	956.4	936.4
-10°	1002.6	1008.2	1010.2	1010.5	1006.6	1000.4	991.1	979.4	964.7	947.2	927.5
-12.5°	989.5	994.7	997.6	997.0	993.4	987.3	979.1	966.6	952.2	935.2	915.8
-15°	974.3	979.5	982.3	983.0	979.1	971.6	962.3	951.4	937.4	920.7	901.6
-17.5°	953.1	959.6	963.0	963.4	959.8	953.7	944.7	935.5	920.2	903.7	884.7
-20°	934.3	939.7	942.2	941.7	939.8	934.5	925.3	914.3	899.8	883.6	865.8

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	910.7	916.4	920.2	920.8	917.0	910.4	901.3	889.8	876.8	861.7	845.1
-25°	886.7	892.0	895.3	896.1	891.7	884.7	875.6	864.4	853.3	839.4	821.6
-27.5°	860.9	865.2	868.0	868.4	864.4	858.3	850.7	840.7	827.1	812.9	797.2
-30°	832.9	837.2	839.2	838.9	835.2	829.2	821.1	811.9	800.3	785.3	769.1
-32.5°	801.4	805.5	807.7	807.7	804.4	798.8	790.7	780.1	768.7	756.3	741.5
-35°	770.1	774.0	776.0	776.1	772.7	767.1	759.4	749.9	739.3	726.0	712.1
-37.5°	736.3	739.9	741.7	741.6	738.4	733.1	725.9	717.4	706.8	693.6	680.9
-40°	701.6	705.0	706.6	706.3	703.2	698.3	691.7	683.5	673.8	662.8	650.0
-42.5°	666.2	668.8	669.9	669.5	667.0	662.8	657.0	649.2	639.1	628.2	616.8
-45°	630.7	633.2	634.2	633.7	631.1	627.1	621.6	614.6	605.7	594.7	583.4
-47.5°	594.6	597.2	598.4	598.1	595.4	591.2	585.6	578.8	570.6	561.1	550.4
-50°	557.5	560.0	561.1	560.8	558.4	554.5	549.3	542.7	535.1	526.8	517.0
-52.5°	519.8	522.0	523.0	522.7	520.5	517.1	512.3	506.4	499.4	491.3	481.5
-55°	482.9	484.8	485.6	485.2	483.0	479.7	475.2	469.7	463.1	455.6	446.9
-57.5°	445.9	447.6	448.3	447.9	445.8	442.6	438.4	433.2	427.3	420.5	412.6
-60°	409.1	410.7	411.4	411.1	409.1	406.1	402.2	397.5	391.9	385.6	378.6
-62.5°	371.0	372.1	372.3	371.7	370.1	367.7	364.5	360.3	355.6	350.1	344.0
-65°	335.2	336.0	336.0	335.3	333.9	331.7	328.8	325.1	320.8	315.7	310.0
-67.5°	299.8	300.4	300.3	299.7	298.3	296.3	293.7	290.5	286.7	282.2	277.1
-70°	264.8	265.3	265.2	264.5	263.2	261.4	259.0	256.2	252.8	249.0	244.7
-72.5°	231.3	231.5	231.3	230.6	229.4	227.8	225.8	223.3	220.4	217.0	213.2
-75°	198.6	198.8	198.5	197.9	196.7	195.2	193.3	191.0	188.4	185.4	182.1
-77.5°	167.2	167.3	167.1	166.6	165.6	164.2	162.6	160.7	158.5	156.1	153.4
-80°	138.1	138.1	137.8	137.4	136.5	135.3	134.0	132.4	130.7	128.7	126.6
-82.5°	111.2	111.1	110.8	110.4	109.6	108.6	107.5	106.3	104.9	103.5	101.9
-85°	87.1	86.8	86.5	86.1	85.4	84.6	83.8	82.9	81.8	80.8	79.6
-87.5°	66.0	65.7	65.4	65.0	64.4	63.8	63.2	62.6	61.9	61.1	60.3
-90°	47.0	46.6	46.2	45.8	45.5	45.2	45.0	44.7	44.4	44.1	43.9

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	43.4	43.0	42.8	42.5	42.3	42.0	41.8	41.5	41.3	41.0	40.8
87.5°	59.7	59.1	58.4	57.7	56.9	56.2	55.4	54.6	53.8	53.0	52.2
85°	78.7	77.6	76.5	75.3	74.0	72.7	71.3	69.9	68.4	66.9	65.3
82.5°	100.4	98.8	97.0	95.2	93.2	91.1	89.0	86.8	84.5	82.2	79.9
80°	124.4	122.1	119.6	117.1	114.5	111.7	108.7	105.6	102.4	99.1	95.7
77.5°	151.0	148.0	144.8	141.3	137.7	134.0	130.0	125.9	121.7	117.4	113.1
75°	178.7	175.1	171.1	166.9	162.3	157.8	153.0	147.9	142.5	136.8	131.4
72.5°	208.0	203.8	199.1	194.1	188.6	182.9	176.9	170.7	164.1	157.5	151.0
70°	238.6	233.5	228.2	222.2	215.8	209.2	202.3	194.8	186.9	179.0	171.2
67.5°	269.7	263.8	257.5	250.9	243.8	236.2	228.4	220.0	211.1	201.9	192.5
65°	301.8	295.0	288.2	280.8	272.3	263.2	254.4	245.0	235.0	225.0	214.6
62.5°	334.2	327.2	319.3	310.6	301.1	291.3	281.4	270.3	258.9	248.0	236.0
60°	367.7	359.4	350.4	341.0	330.9	320.2	308.2	296.0	283.8	270.9	257.7
57.5°	401.7	392.2	382.1	371.6	360.3	348.3	336.0	322.9	308.5	294.2	280.0
55°	436.0	426.4	415.1	402.8	390.1	377.1	362.9	348.5	334.0	318.4	301.8
52.5°	469.1	458.1	446.4	433.8	420.7	405.4	390.3	375.0	358.1	341.6	324.5
50°	502.8	490.8	478.0	464.3	449.5	433.6	417.9	399.9	382.9	364.5	345.9
47.5°	536.5	523.9	509.8	494.3	478.4	461.9	444.1	426.0	406.8	387.2	367.4
45°	569.2	555.3	540.2	524.7	507.7	488.9	470.3	451.4	430.6	410.2	388.0
42.5°	602.8	587.1	570.9	553.9	535.1	516.6	495.9	475.5	454.5	431.8	409.6
40°	634.2	618.2	601.6	582.3	563.1	542.1	521.5	499.6	476.9	453.8	429.4
37.5°	664.3	647.5	630.8	610.8	589.7	567.9	545.9	522.8	499.0	474.3	449.3
35°	695.0	676.7	658.1	637.6	616.1	593.2	569.4	545.1	520.0	494.3	467.7
32.5°	722.2	705.1	685.0	663.2	640.5	617.2	592.2	566.7	540.2	513.1	485.7
30°	750.4	731.4	709.5	688.4	664.2	639.6	613.6	586.8	559.3	531.4	502.1
27.5°	777.0	756.4	734.8	710.7	687.3	660.5	634.1	605.8	577.1	547.4	517.9
25°	801.4	780.3	757.9	733.9	708.2	681.2	651.3	623.7	594.2	564.1	533.5
22.5°	824.3	802.4	779.2	754.2	727.8	700.9	671.0	640.2	608.8	577.7	545.6
20°	845.6	823.1	798.9	773.1	745.9	717.2	687.0	653.2	622.9	591.3	558.8
17.5°	863.5	842.1	816.3	790.0	761.8	732.6	702.5	670.0	636.7	602.9	570.2
15°	880.6	856.0	832.2	803.8	775.3	745.8	714.8	681.2	646.1	613.5	579.2
12.5°	893.7	870.9	846.2	816.9	787.8	757.1	725.2	692.3	656.8	622.7	587.5
10°	905.4	882.2	854.5	828.1	797.7	767.1	734.5	700.8	666.7	630.6	594.3
7.5°	914.7	890.0	864.5	837.0	805.7	774.2	741.3	707.4	672.6	636.7	599.9
5°	921.6	895.9	871.6	842.8	811.6	779.4	745.8	711.9	676.8	640.5	604.0
2.5°	925.7	899.6	875.6	845.7	815.1	782.5	748.5	714.6	679.3	642.9	606.6
0°	927.5	900.6	876.6	846.6	816.2	783.3	749.2	715.3	680.1	643.7	607.5
-2.5°	926.0	899.6	874.9	845.2	814.8	782.2	748.3	714.2	679.2	642.9	606.6
-5°	921.8	895.9	870.7	841.2	811.1	779.0	745.2	711.2	676.5	640.5	604.0
-7.5°	914.4	889.7	864.1	834.9	805.2	773.6	740.2	706.2	672.0	636.3	599.7
-10°	905.0	880.3	854.6	826.2	796.8	766.0	733.0	699.2	665.6	630.2	593.9
-12.5°	893.8	869.7	843.5	815.1	786.3	755.7	723.9	690.6	657.1	622.5	587.0
-15°	879.9	856.6	830.7	803.3	774.3	743.7	712.7	680.4	647.2	613.4	578.8
-17.5°	864.0	841.1	815.7	789.1	760.6	730.8	699.8	668.1	635.8	602.7	569.0
-20°	845.9	823.1	798.6	772.8	745.0	716.2	685.9	654.6	622.6	590.5	557.5

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	825.1	803.0	779.9	754.6	727.8	699.6	670.2	640.0	608.8	577.0	544.8
-25°	802.5	781.6	758.9	734.3	708.6	681.4	653.1	623.6	593.7	562.5	531.4
-27.5°	777.9	758.3	736.0	712.8	687.9	661.7	634.3	606.2	576.9	547.0	516.8
-30°	752.1	733.1	712.0	689.5	665.6	640.5	614.4	587.2	559.0	530.6	501.4
-32.5°	724.9	706.5	686.2	664.9	642.0	618.1	593.0	566.8	540.2	512.8	484.7
-35°	695.8	678.3	659.8	639.0	617.4	594.4	570.4	545.8	520.2	494.0	467.2
-37.5°	666.5	649.9	631.0	612.2	591.4	569.7	547.1	523.6	499.4	474.4	448.9
-40°	634.3	619.5	602.7	584.1	564.7	544.3	522.9	500.7	477.7	453.9	429.5
-42.5°	603.8	588.5	572.8	555.7	537.5	518.1	497.9	477.0	455.2	432.6	410.0
-45°	571.2	557.6	542.8	526.5	509.6	491.3	472.2	452.5	431.9	411.1	388.9
-47.5°	538.6	526.0	512.3	496.8	480.7	463.6	445.9	427.4	408.7	388.0	367.2
-50°	505.6	493.5	480.3	466.1	451.4	435.6	419.3	402.1	383.0	364.3	345.6
-52.5°	471.0	460.3	448.4	435.4	421.8	407.6	391.5	374.4	357.9	341.2	324.0
-55°	437.3	427.1	416.6	404.8	391.7	377.7	363.4	348.5	333.4	317.9	301.9
-57.5°	403.8	394.6	384.4	373.5	361.6	349.0	336.2	322.6	308.4	294.4	280.0
-60°	370.9	361.9	352.2	342.5	331.9	320.6	308.7	296.5	283.9	271.1	257.9
-62.5°	336.9	329.2	320.8	311.8	302.1	292.1	281.8	270.8	259.3	247.6	235.9
-65°	303.5	296.5	289.5	281.9	273.3	264.2	254.8	245.1	235.0	224.5	214.0
-67.5°	271.4	265.2	258.6	251.7	244.5	236.7	228.4	219.8	210.9	201.8	192.5
-70°	239.8	234.4	228.7	222.8	216.5	209.7	202.5	195.0	187.3	179.5	171.4
-72.5°	208.9	204.2	199.3	194.1	188.6	182.9	177.0	170.9	164.4	157.8	151.1
-75°	178.5	174.7	170.9	166.7	162.3	157.7	152.9	147.8	142.5	137.0	131.6
-77.5°	150.5	147.4	144.3	141.0	137.5	133.8	129.9	125.9	121.8	117.5	113.1
-80°	124.3	121.8	119.5	116.9	114.2	111.4	108.4	105.3	102.2	99.0	95.6
-82.5°	100.2	98.4	96.6	94.8	92.9	90.9	88.7	86.5	84.3	82.0	79.7
-85°	78.4	77.1	76.0	74.9	73.6	72.4	71.0	69.6	68.2	66.7	65.2
-87.5°	59.5	58.7	58.1	57.4	56.7	56.0	55.3	54.5	53.7	52.9	52.1
-90°	43.6	43.3	43.0	42.7	42.4	42.1	41.9	41.6	41.3	41.0	40.7

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	40.6	40.4	40.2	40.0	39.7	39.5	39.3	39.1	38.9	38.9	39.0
87.5°	51.5	50.9	50.2	49.5	48.8	48.0	47.3	46.5	45.7	45.0	44.3
85°	63.8	62.4	60.9	59.4	58.0	56.6	55.1	53.6	52.1	50.7	49.2
82.5°	77.6	75.4	73.2	70.8	68.4	66.0	63.6	61.2	58.8	56.6	54.3
80°	92.6	89.3	86.0	82.8	79.5	76.1	72.8	69.5	66.1	62.8	59.5
77.5°	108.8	104.5	100.1	95.6	91.2	86.8	82.4	78.0	73.7	69.5	65.3
75°	126.0	120.6	115.0	109.5	103.7	98.1	92.5	87.0	81.6	76.3	71.1
72.5°	144.4	137.5	130.6	123.7	117.0	110.1	103.2	96.4	89.8	83.3	77.1
70°	163.2	155.2	147.2	138.9	130.6	122.3	114.3	106.2	98.3	90.7	83.1
67.5°	182.9	173.6	164.0	154.4	144.9	135.1	125.6	116.3	107.2	98.2	89.5
65°	203.7	192.6	181.4	170.3	159.3	148.4	137.3	126.5	116.1	105.9	96.0
62.5°	224.3	212.0	199.4	186.8	174.2	161.6	149.3	137.1	125.1	113.7	102.5
60°	244.8	231.1	217.5	203.4	189.3	175.2	161.3	147.8	134.4	121.5	109.1
57.5°	265.0	250.3	235.0	219.9	204.4	188.9	173.5	158.4	143.8	129.4	115.7
55°	285.8	269.4	252.8	236.0	219.4	202.5	185.8	169.0	153.1	137.4	122.2
52.5°	306.3	288.5	270.4	252.3	234.0	216.0	197.7	180.0	162.3	145.3	128.8
50°	327.1	307.3	287.9	268.2	248.6	229.0	209.7	190.4	171.4	153.1	135.3
47.5°	346.9	326.3	304.9	284.1	263.0	241.9	221.5	200.8	180.6	160.7	141.7
45°	366.6	344.4	322.0	299.2	277.0	254.8	232.8	211.1	189.4	168.2	148.0
42.5°	385.3	362.1	338.5	314.3	290.7	267.1	243.9	221.1	198.0	175.7	154.1
40°	404.8	379.3	354.2	329.1	303.7	279.3	255.0	230.6	206.4	182.8	160.0
37.5°	423.6	396.2	369.7	343.2	316.7	291.0	265.3	239.8	214.8	189.6	165.7
35°	440.7	413.7	383.8	356.6	329.4	301.9	275.1	248.7	222.6	196.1	171.2
32.5°	457.3	428.5	399.0	369.9	341.2	312.6	284.7	257.3	229.8	202.5	176.4
30°	473.1	443.2	413.7	381.7	352.4	323.0	293.6	265.0	236.7	208.6	181.3
27.5°	488.2	456.9	426.0	393.9	363.1	332.5	301.9	272.2	243.2	214.5	185.8
25°	501.2	469.9	437.7	405.5	373.0	341.1	309.8	279.1	249.3	219.8	190.0
22.5°	514.0	481.8	448.7	416.1	381.4	349.2	317.2	285.4	254.9	224.5	193.9
20°	525.9	492.6	458.6	424.6	389.7	356.6	323.9	291.1	259.9	228.8	197.6
17.5°	536.1	501.9	467.3	432.5	397.4	363.5	329.9	296.3	264.2	232.6	200.8
15°	544.2	510.4	474.9	439.6	404.1	369.5	334.7	300.8	268.0	235.9	203.6
12.5°	552.1	517.7	481.5	445.7	409.8	374.3	338.9	304.7	271.1	238.8	206.1
10°	559.3	523.4	487.0	450.7	414.4	378.0	342.3	307.9	273.8	241.1	208.2
7.5°	564.7	527.6	491.2	454.6	417.8	380.9	345.1	310.4	275.9	242.9	209.8
5°	567.9	530.4	494.3	457.4	420.2	382.9	347.2	312.1	277.4	244.2	211.0
2.5°	569.8	531.8	496.2	459.1	421.6	384.1	348.4	313.2	278.3	245.0	211.7
0°	570.4	532.1	496.8	459.6	422.0	384.5	348.9	313.6	278.6	245.3	211.9
-2.5°	569.7	531.6	496.0	459.0	421.4	384.2	348.4	313.2	278.3	245.0	211.6
-5°	567.6	530.0	494.0	457.2	419.9	383.0	347.2	312.2	277.4	244.2	210.9
-7.5°	564.1	527.0	490.7	454.2	417.4	381.0	345.1	310.4	275.9	242.9	209.7
-10°	558.6	522.8	486.2	450.2	413.8	378.1	342.2	307.9	273.8	241.0	208.0
-12.5°	551.7	517.1	480.6	445.1	409.2	374.4	338.8	304.7	271.1	238.6	205.9
-15°	543.7	509.8	473.9	438.9	403.7	369.6	334.7	300.8	267.9	235.8	203.3
-17.5°	534.7	501.1	466.3	431.7	397.2	363.5	329.9	296.2	264.1	232.4	200.4
-20°	524.6	491.0	457.6	423.6	389.8	356.7	324.0	291.0	259.7	228.5	197.1

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	513.0	480.1	447.5	414.6	381.8	349.2	317.3	285.1	254.7	224.2	193.3
-25°	500.0	468.3	436.5	404.7	373.1	341.0	309.9	278.9	249.0	219.4	189.3
-27.5°	485.9	455.4	424.6	393.8	363.2	332.5	302.0	272.1	242.9	214.0	185.0
-30°	471.6	441.7	411.9	382.2	352.4	323.1	293.5	264.8	236.4	208.1	180.4
-32.5°	456.2	427.3	398.5	369.9	341.1	312.8	284.4	256.9	229.4	201.8	175.5
-35°	439.9	412.3	384.5	356.7	329.4	302.0	275.0	248.4	222.0	195.1	170.3
-37.5°	422.7	396.5	369.7	343.0	316.9	290.7	265.0	239.4	214.1	188.3	164.8
-40°	405.1	379.6	354.2	329.1	303.8	279.0	254.5	230.1	205.6	181.5	159.0
-42.5°	386.1	362.0	338.3	314.4	290.4	266.9	243.5	220.3	196.7	174.4	153.0
-45°	366.4	344.2	321.9	299.3	276.8	254.3	232.1	210.2	187.8	167.0	146.9
-47.5°	346.7	326.0	304.9	283.8	262.7	241.4	220.5	199.5	178.9	159.4	140.7
-50°	326.7	307.3	287.7	268.1	248.2	228.2	208.6	188.5	169.9	151.7	134.2
-52.5°	306.3	288.4	270.3	251.9	233.4	214.9	195.9	178.0	160.7	143.9	127.7
-55°	285.8	269.3	252.5	235.5	218.4	201.1	183.6	167.3	151.4	136.0	121.1
-57.5°	265.2	250.0	234.6	219.0	203.3	187.1	171.6	156.5	142.2	128.1	114.5
-60°	244.4	230.6	216.6	202.4	187.8	173.6	159.5	145.9	132.8	120.2	107.9
-62.5°	223.7	211.3	198.5	185.7	172.9	160.1	147.6	135.2	123.6	112.2	101.2
-65°	203.2	192.0	180.8	169.4	158.1	146.9	135.8	124.8	114.4	104.4	94.7
-67.5°	182.9	173.2	163.4	153.5	143.7	133.8	124.1	114.5	105.5	96.7	88.3
-70°	163.2	154.9	146.5	138.0	129.6	121.1	112.7	104.5	96.6	89.2	81.9
-72.5°	144.2	137.1	130.1	123.0	115.9	108.8	101.7	94.7	88.1	81.8	75.8
-75°	125.9	120.2	114.4	108.6	102.6	96.9	91.0	85.4	79.9	74.8	69.9
-77.5°	108.6	103.9	99.4	94.8	90.2	85.5	81.0	76.4	72.0	68.0	64.1
-80°	92.3	88.9	85.4	81.9	78.4	74.8	71.4	67.9	64.6	61.5	58.5
-82.5°	77.2	74.8	72.4	69.9	67.4	64.9	62.4	59.9	57.4	55.4	53.3
-85°	63.7	62.1	60.5	58.9	57.3	55.7	54.1	52.4	50.8	49.6	48.3
-87.5°	51.4	50.6	49.8	48.9	48.1	47.2	46.4	45.5	44.6	44.1	43.5
-90°	40.6	40.5	40.4	40.3	40.2	40.1	40.0	39.9	39.8	39.7	39.7

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	39.0	39.1	39.1	39.2	39.2	39.3	39.3
87.5°	43.6	42.9	42.2	41.5	40.7	40.0	39.3
85°	47.7	46.3	44.8	43.5	42.1	40.7	39.3
82.5°	52.0	49.8	47.6	45.5	43.4	41.3	39.3
80°	56.5	53.5	50.5	47.6	44.7	42.0	39.3
77.5°	61.1	57.2	53.4	49.7	46.1	42.7	39.3
75°	66.0	61.0	56.3	51.8	47.5	43.3	39.3
72.5°	71.0	65.1	59.2	54.0	48.8	43.9	39.3
70°	76.1	69.1	62.4	56.1	50.2	44.6	39.3
67.5°	81.1	73.2	65.5	58.2	51.6	45.2	39.3
65°	86.4	77.3	68.7	60.4	52.9	45.8	39.3
62.5°	91.7	81.4	71.9	62.7	54.3	46.5	39.3
60°	97.1	85.6	75.0	64.9	55.6	47.1	39.3
57.5°	102.4	89.9	78.1	67.1	56.9	47.7	39.3
55°	107.9	94.1	81.1	69.3	58.1	48.3	39.3
52.5°	113.2	98.3	84.1	71.4	59.4	48.9	39.3
50°	118.4	102.3	87.2	73.5	60.7	49.5	39.3
47.5°	123.6	106.4	90.3	75.5	61.9	50.0	39.3
45°	128.6	110.3	93.2	77.4	63.2	50.5	39.3
42.5°	133.5	114.2	96.1	79.3	64.3	51.0	39.3
40°	138.3	117.9	98.8	81.1	65.4	51.5	39.3
37.5°	142.9	121.5	101.4	82.8	66.5	51.9	39.3
35°	147.3	124.9	103.9	84.5	67.5	52.4	39.3
32.5°	151.5	128.1	106.3	86.2	68.5	52.8	39.3
30°	155.5	131.2	108.6	87.8	69.4	53.2	39.3
27.5°	159.2	134.0	110.7	89.3	70.2	53.5	39.3
25°	162.6	136.7	112.6	90.6	71.0	53.9	39.3
22.5°	165.7	139.1	114.4	91.8	71.7	54.2	39.3
20°	168.6	141.3	116.1	92.9	72.3	54.4	39.3
17.5°	171.1	143.3	117.5	93.9	72.9	54.7	39.3
15°	173.3	145.0	118.8	94.8	73.4	54.9	39.3
12.5°	175.2	146.5	119.9	95.5	73.8	55.1	39.3
10°	176.7	147.7	120.8	96.1	74.1	55.2	39.3
7.5°	177.9	148.6	121.5	96.5	74.4	55.3	39.3
5°	178.7	149.3	121.9	96.9	74.6	55.4	39.3
2.5°	179.2	149.6	122.2	97.0	74.7	55.4	39.3
0°	179.3	149.8	122.3	97.1	74.7	55.5	39.3
-2.5°	179.1	149.6	122.2	97.0	74.7	55.4	39.3
-5°	178.6	149.2	121.9	96.8	74.5	55.4	39.3
-7.5°	177.7	148.5	121.4	96.5	74.3	55.3	39.3
-10°	176.5	147.5	120.6	96.0	74.1	55.2	39.3
-12.5°	174.9	146.2	119.7	95.4	73.7	55.0	39.3
-15°	173.0	144.7	118.6	94.6	73.3	54.8	39.3
-17.5°	170.7	143.0	117.3	93.7	72.8	54.6	39.3
-20°	168.1	141.0	115.8	92.7	72.2	54.4	39.3

REPORT NUMBER: P1209902 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-MID-6500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.2	138.7	114.1	91.6	71.6	54.1	39.3
-25°	162.1	136.3	112.3	90.4	70.8	53.8	39.3
-27.5°	158.6	133.5	110.3	89.0	70.0	53.5	39.3
-30°	154.8	130.7	108.2	87.5	69.2	53.1	39.3
-32.5°	150.8	127.6	105.9	85.9	68.3	52.7	39.3
-35°	146.6	124.3	103.4	84.2	67.3	52.3	39.3
-37.5°	142.2	120.9	100.9	82.4	66.2	51.8	39.3
-40°	137.5	117.3	98.3	80.7	65.2	51.4	39.3
-42.5°	132.7	113.5	95.5	78.9	64.1	50.9	39.3
-45°	127.8	109.6	92.6	77.0	62.9	50.4	39.3
-47.5°	122.7	105.6	89.7	75.0	61.7	49.9	39.3
-50°	117.5	101.5	86.6	73.0	60.4	49.4	39.3
-52.5°	112.2	97.5	83.5	70.9	59.1	48.8	39.3
-55°	106.8	93.3	80.5	68.8	57.9	48.2	39.3
-57.5°	101.4	89.1	77.4	66.6	56.6	47.6	39.3
-60°	96.1	84.8	74.3	64.4	55.3	47.0	39.3
-62.5°	90.7	80.6	71.2	62.2	54.0	46.4	39.3
-65°	85.3	76.4	68.0	60.0	52.6	45.7	39.3
-67.5°	80.1	72.3	64.9	57.8	51.3	45.1	39.3
-70°	74.9	68.3	61.8	55.7	50.0	44.5	39.3
-72.5°	69.9	64.2	58.6	53.5	48.6	43.8	39.3
-75°	65.0	60.2	55.7	51.4	47.2	43.2	39.3
-77.5°	60.2	56.4	52.8	49.3	45.8	42.6	39.3
-80°	55.6	52.7	50.0	47.2	44.5	41.9	39.3
-82.5°	51.2	49.2	47.1	45.1	43.2	41.2	39.3
-85°	47.0	45.7	44.4	43.1	41.9	40.6	39.3
-87.5°	42.9	42.3	41.8	41.1	40.5	39.9	39.3
-90°	39.6	39.6	39.5	39.5	39.4	39.4	39.3

(END OF REPORT)