

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: McGRAW-EDISON

Report Number: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-727-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N90
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

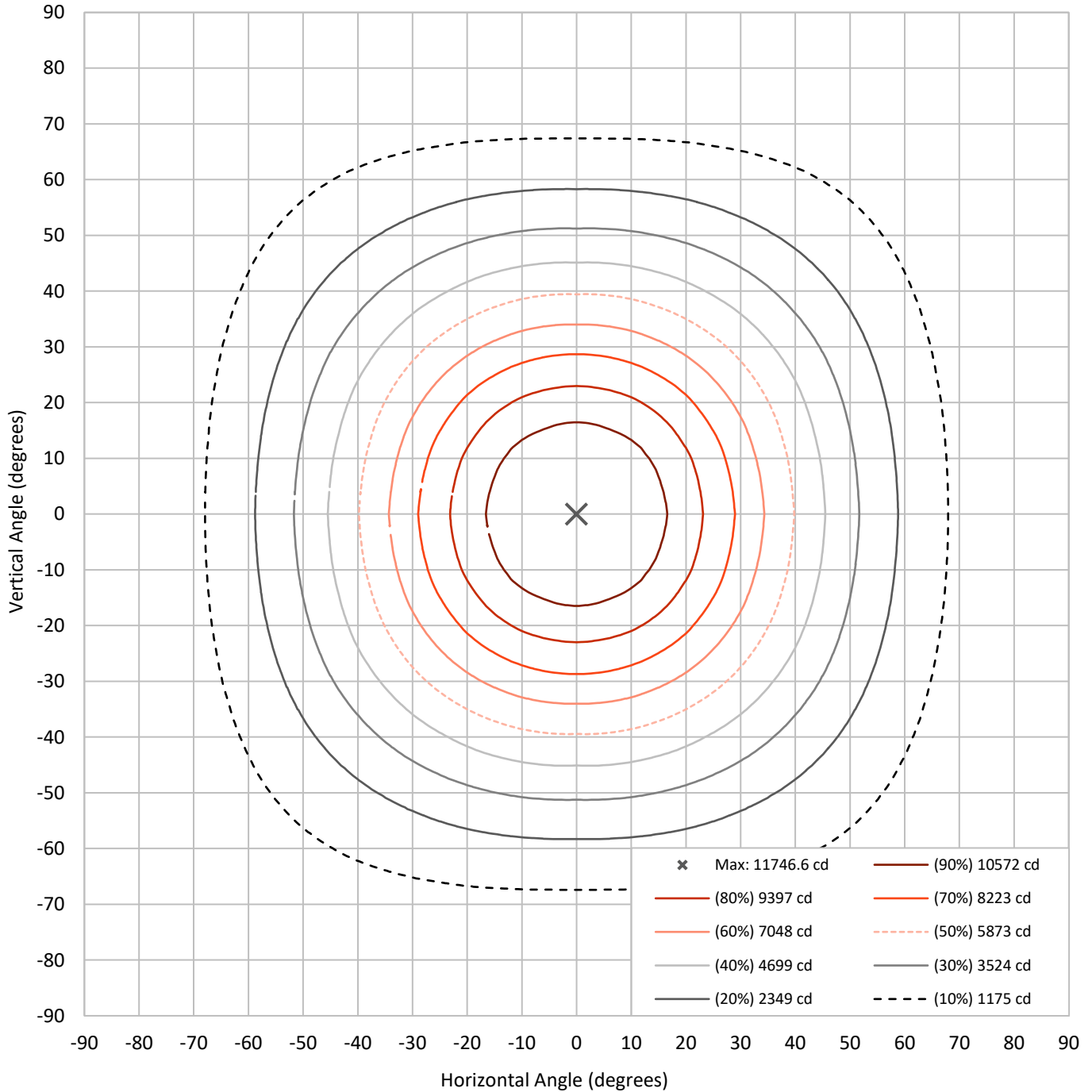
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21231 lumens	Max Intensity:	11746.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	12452.1 lumens	Field Lumens:	20240.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





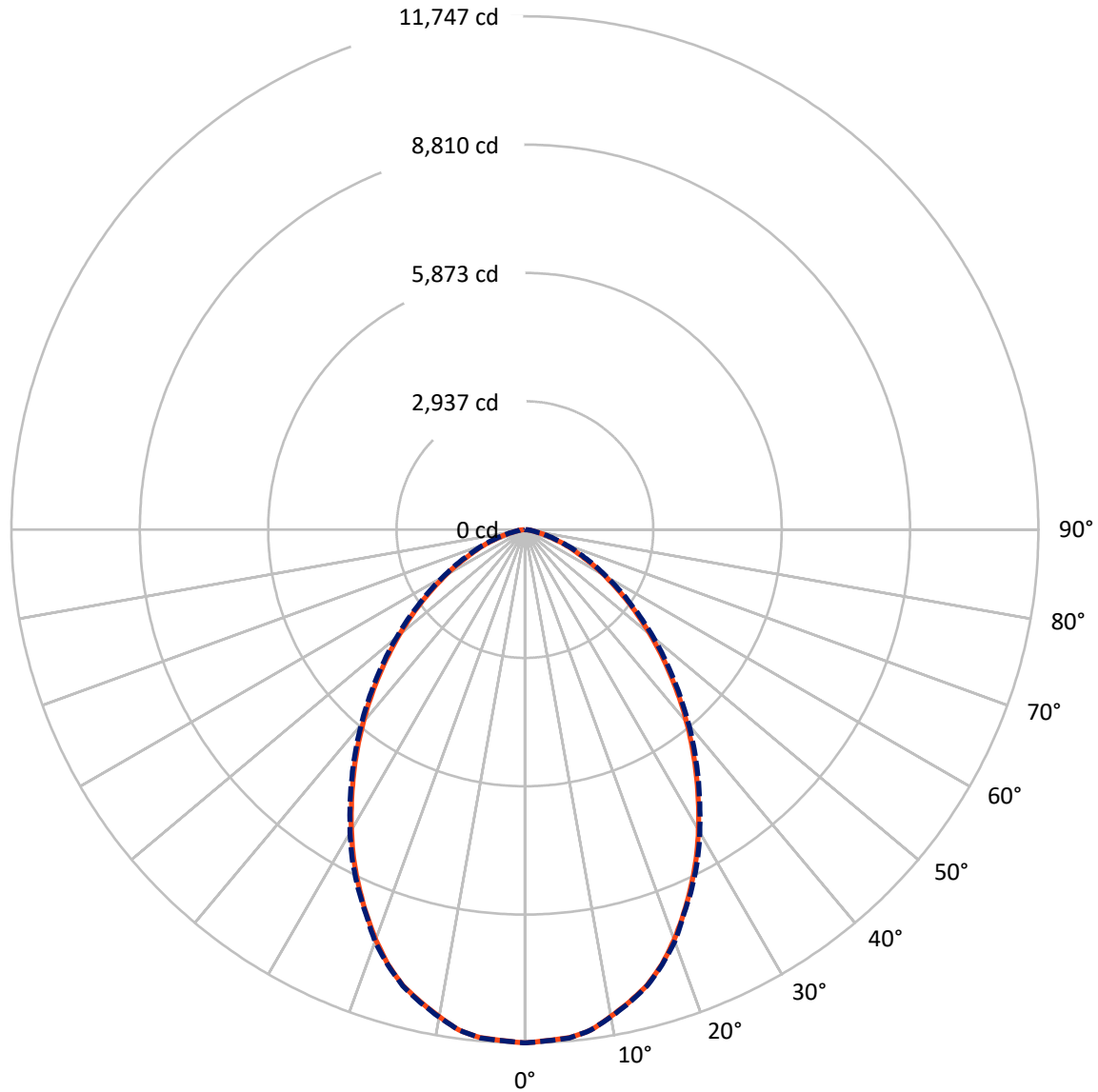
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Lumen Table

90																			
80	0.7	8.7	23.7	40.2	37.9	40.2	23.7	8.7	0.7										
70																			
60	3.9	5.4	11.0	18.7	27.4	35.4	41.4	44.3	44.3	41.4	35.4	27.4	18.7	11.0	5.4				3.9
50		8.2	17.8	31.9	48.2	65.5	79.8	87.2	87.2	79.8	65.5	48.2	31.9	17.8	8.2				
40	6.9	11.0	25.8	47.7	75.5	104.7	129.1	142.5	142.5	129.1	104.7	75.5	47.7	25.8	11.0				6.9
30		13.9	34.2	65.6	105.7	148.2	184.5	205.1	205.1	184.5	148.2	105.7	65.6	34.2	13.9				
20	8.9	16.6	42.1	82.5	134.6	191.1	240.3	268.6	268.6	240.3	191.1	134.6	82.5	42.1	16.6				8.9
10		18.7	48.2	95.1	157.1	225.8	286.4	320.8	320.8	286.4	225.8	157.1	95.1	48.2	18.7				
0	9.7	19.9	51.5	102.3	169.7	245.0	311.3	347.5	347.5	311.3	245.0	169.7	102.3	51.5	19.9				9.7
-10		19.9	51.5	102.3	169.7	245.0	311.3	347.5	347.5	311.3	245.0	169.7	102.3	51.5	19.9				
-20	8.9	18.7	48.2	95.1	157.1	225.8	286.4	320.8	320.8	286.4	225.8	157.1	95.1	48.2	18.7				8.9
-30		16.6	42.1	82.5	134.6	191.1	240.3	268.6	268.6	240.3	191.1	134.6	82.5	42.1	16.6				
-40	6.9	13.9	34.2	65.6	105.7	148.2	184.5	205.1	205.1	184.5	148.2	105.7	65.6	34.2	13.9				6.9
-50		11.0	25.8	47.7	75.5	104.7	129.1	142.5	142.5	129.1	104.7	75.5	47.7	25.8	11.0				
-60	3.9	8.2	17.8	31.9	48.2	65.5	79.8	87.2	87.2	79.8	65.5	48.2	31.9	17.8	8.2				3.9
-70		5.4	11.0	18.7	27.4	35.4	41.4	44.3	44.3	41.4	35.4	27.4	18.7	11.0	5.4				
-80	0.7	8.7	23.7	40.2	37.9	40.2	23.7	8.7	0.7										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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Luminous Intensity Polar Plot

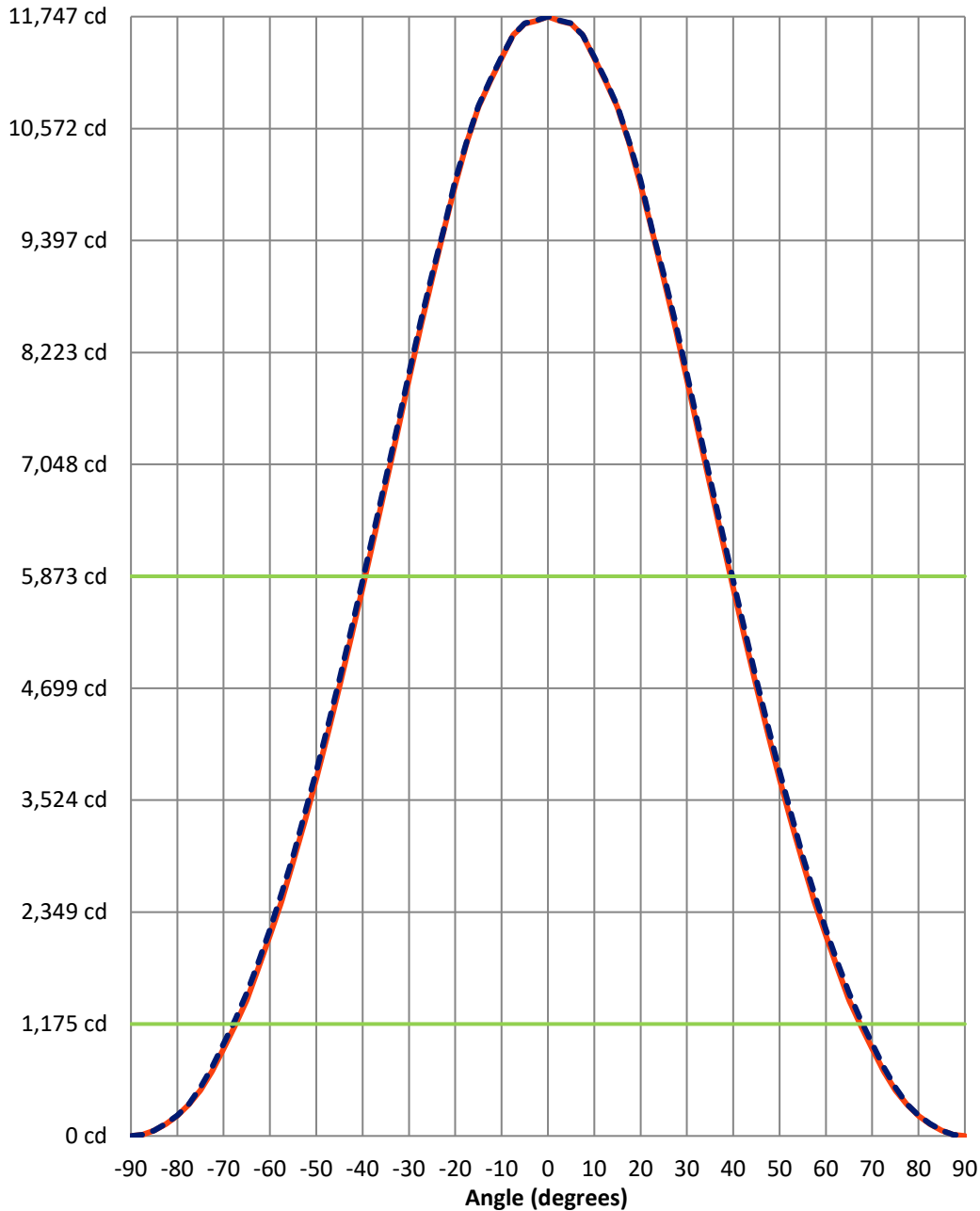


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 12452.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 20240.1
 Efficiency: 95.3%

Spill:
 Lumens: 990.9
 Efficiency: 4.7%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.7	7.4
85°	0.0	1.3	3.1	4.6	6.1	7.6	9.1	10.6	12.0	13.5	14.9
82.5°	0.0	2.0	4.6	6.9	9.1	11.4	13.6	15.8	19.8	31.2	42.1
80°	0.0	2.7	6.1	9.1	12.2	15.2	20.5	36.5	51.9	66.7	80.9
77.5°	0.0	3.3	7.6	11.4	15.2	23.8	44.7	64.9	83.8	102.1	124.6
75°	0.0	4.0	9.0	13.6	19.8	41.2	68.3	93.0	116.8	149.3	184.0
72.5°	0.0	4.6	10.5	15.8	31.5	58.0	91.2	123.3	160.5	200.2	242.2
70°	0.0	5.2	11.8	19.0	42.9	74.3	114.0	159.6	203.4	250.1	304.7
67.5°	0.0	5.8	13.2	26.0	53.8	89.9	141.5	195.0	245.3	304.3	366.9
65°	0.0	6.4	14.5	32.7	64.2	107.3	167.7	229.5	290.6	356.9	425.2
62.5°	0.0	7.0	15.8	39.2	74.1	126.5	192.6	265.5	334.3	407.2	477.2
60°	0.0	7.6	17.0	45.3	83.4	144.6	216.1	301.2	376.4	454.2	528.6
57.5°	0.0	8.1	20.4	51.0	95.7	161.6	240.8	334.5	417.9	500.5	577.3
55°	0.0	8.6	23.8	56.3	107.5	177.4	264.2	363.2	458.8	545.1	624.0
52.5°	0.0	9.1	27.0	61.3	118.5	192.4	285.9	393.2	498.7	586.3	669.5
50°	0.0	9.6	30.1	65.8	128.6	208.3	305.7	421.6	536.6	626.1	721.7
47.5°	0.0	10.0	33.0	70.5	137.8	222.8	324.3	448.0	570.9	664.7	772.8
45°	0.0	10.4	35.8	76.6	146.1	235.9	345.0	472.4	597.6	708.4	821.7
42.5°	0.0	10.8	38.4	82.1	153.4	247.6	364.0	494.8	623.2	750.2	879.3
40°	0.0	11.2	40.9	87.8	160.8	257.8	381.2	516.0	649.7	789.4	935.4
37.5°	0.0	11.5	43.2	93.4	168.1	266.5	396.6	536.1	679.5	826.6	988.1
35°	0.0	11.8	45.4	98.6	174.4	276.5	410.2	555.0	708.6	869.4	1041.1
32.5°	0.0	12.1	47.4	103.4	179.6	286.6	422.8	572.7	736.8	910.5	1097.3
30°	0.0	12.4	49.2	107.8	183.8	295.2	435.9	590.5	764.0	949.8	1149.8
27.5°	0.0	12.6	50.8	111.8	190.1	302.3	447.7	611.1	792.0	987.1	1198.5
25°	0.0	12.8	52.3	115.4	196.0	307.9	458.0	630.2	821.2	1025.1	1243.6
22.5°	0.0	13.0	53.6	118.6	201.2	313.6	466.8	647.8	848.1	1061.1	1291.5
20°	0.0	13.1	54.7	121.3	205.7	321.4	474.2	663.5	872.5	1093.2	1334.6
17.5°	0.0	13.2	55.6	123.6	209.4	327.8	483.3	677.4	894.2	1121.4	1372.5
15°	0.0	13.3	56.4	125.4	212.5	332.8	492.8	690.7	913.1	1145.6	1405.2
12.5°	0.0	13.4	57.0	126.9	214.8	336.3	500.5	703.1	930.2	1165.7	1432.6
10°	0.0	13.4	57.4	127.9	216.4	338.6	506.4	712.7	945.0	1184.5	1455.6
7.5°	0.0	13.4	57.6	128.5	217.3	339.5	510.4	719.4	956.3	1199.7	1475.6
5°	0.0	13.3	57.6	128.6	217.4	339.1	512.5	723.2	964.1	1210.7	1489.8
2.5°	0.0	13.3	57.5	128.4	216.9	337.4	512.6	724.1	968.3	1217.3	1498.4
0°	0.0	13.2	57.2	127.7	215.7	334.6	510.7	722.1	968.6	1219.6	1501.3
-2.5°	0.0	13.3	57.5	128.4	216.9	337.4	512.6	724.1	968.3	1217.3	1498.4
-5°	0.0	13.3	57.6	128.6	217.4	339.1	512.5	723.2	964.1	1210.7	1489.8
-7.5°	0.0	13.4	57.6	128.5	217.3	339.5	510.4	719.4	956.3	1199.7	1475.6
-10°	0.0	13.4	57.4	127.9	216.4	338.6	506.4	712.7	945.0	1184.5	1455.6
-12.5°	0.0	13.4	57.0	126.9	214.8	336.3	500.5	703.1	930.2	1165.7	1432.6
-15°	0.0	13.3	56.4	125.4	212.5	332.8	492.8	690.7	913.1	1145.6	1405.2
-17.5°	0.0	13.2	55.6	123.6	209.4	327.8	483.3	677.4	894.2	1121.4	1372.5
-20°	0.0	13.1	54.7	121.3	205.7	321.4	474.2	663.5	872.5	1093.2	1334.6

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.0	53.6	118.6	201.2	313.6	466.8	647.8	848.1	1061.1	1291.5
-25°	0.0	12.8	52.3	115.4	196.0	307.9	458.0	630.2	821.2	1025.1	1243.6
-27.5°	0.0	12.6	50.8	111.8	190.1	302.3	447.7	611.1	792.0	987.1	1198.5
-30°	0.0	12.4	49.2	107.8	183.8	295.2	435.9	590.5	764.0	949.8	1149.8
-32.5°	0.0	12.1	47.4	103.4	179.6	286.6	422.8	572.7	736.8	910.5	1097.3
-35°	0.0	11.8	45.4	98.6	174.4	276.5	410.2	555.0	708.6	869.4	1041.1
-37.5°	0.0	11.5	43.2	93.4	168.1	266.5	396.6	536.1	679.5	826.6	988.1
-40°	0.0	11.2	40.9	87.8	160.8	257.8	381.2	516.0	649.7	789.4	935.4
-42.5°	0.0	10.8	38.4	82.1	153.4	247.6	364.0	494.8	623.2	750.2	879.3
-45°	0.0	10.4	35.8	76.6	146.1	235.9	345.0	472.4	597.6	708.4	821.7
-47.5°	0.0	10.0	33.0	70.5	137.8	222.8	324.3	448.0	570.9	664.7	772.8
-50°	0.0	9.6	30.1	65.8	128.6	208.3	305.7	421.6	536.6	626.1	721.7
-52.5°	0.0	9.1	27.0	61.3	118.5	192.4	285.9	393.2	498.7	586.3	669.5
-55°	0.0	8.6	23.8	56.3	107.5	177.4	264.2	363.2	458.8	545.1	624.0
-57.5°	0.0	8.1	20.4	51.0	95.7	161.6	240.8	334.5	417.9	500.5	577.3
-60°	0.0	7.6	17.0	45.3	83.4	144.6	216.1	301.2	376.4	454.2	528.6
-62.5°	0.0	7.0	15.8	39.2	74.1	126.5	192.6	265.5	334.3	407.2	477.2
-65°	0.0	6.4	14.5	32.7	64.2	107.3	167.7	229.5	290.6	356.9	425.2
-67.5°	0.0	5.8	13.2	26.0	53.8	89.9	141.5	195.0	245.3	304.3	366.9
-70°	0.0	5.2	11.8	19.0	42.9	74.3	114.0	159.6	203.4	250.1	304.7
-72.5°	0.0	4.6	10.5	15.8	31.5	58.0	91.2	123.3	160.5	200.2	242.2
-75°	0.0	4.0	9.0	13.6	19.8	41.2	68.3	93.0	116.8	149.3	184.0
-77.5°	0.0	3.3	7.6	11.4	15.2	23.8	44.7	64.9	83.8	102.1	124.6
-80°	0.0	2.7	6.1	9.1	12.2	15.2	20.5	36.5	51.9	66.7	80.9
-82.5°	0.0	2.0	4.6	6.9	9.1	11.4	13.6	15.8	19.8	31.2	42.1
-85°	0.0	1.3	3.1	4.6	6.1	7.6	9.1	10.6	12.0	13.5	14.9
-87.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.7	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.6	9.9	11.2	12.6	12.7	12.7	12.6	12.5	13.0	13.5	14.0
85°	17.2	19.7	27.4	34.8	38.4	40.6	41.6	41.4	48.2	56.0	64.5
82.5°	53.6	64.6	75.2	85.2	87.8	87.8	86.9	87.2	103.0	121.2	139.8
80°	95.4	109.4	128.0	144.4	151.6	155.3	157.0	156.7	176.7	203.4	231.5
77.5°	151.3	174.9	195.4	212.8	222.2	230.6	237.3	242.5	268.3	302.0	335.5
75°	215.1	240.9	266.6	289.0	304.7	316.3	327.1	344.6	378.3	417.7	451.9
72.5°	282.3	315.3	344.0	368.3	390.3	413.6	439.8	468.4	504.0	543.3	579.1
70°	354.2	390.4	420.5	449.7	479.7	514.6	553.8	592.4	632.1	675.5	717.3
67.5°	424.4	459.4	494.8	531.7	576.5	623.3	669.7	722.9	777.3	825.5	868.6
65°	485.5	526.5	570.7	620.8	676.2	735.7	797.6	861.4	930.4	988.3	1041.0
62.5°	543.8	593.1	646.8	709.3	779.9	850.3	929.3	1009.1	1086.8	1155.0	1218.0
60°	597.5	657.2	725.1	801.7	884.2	977.8	1067.7	1158.5	1243.7	1320.9	1400.6
57.5°	649.7	724.9	806.4	898.4	1002.7	1107.9	1213.4	1311.1	1407.6	1501.7	1591.8
55°	705.0	795.7	892.6	1005.5	1123.0	1247.4	1361.1	1470.2	1576.5	1690.7	1799.2
52.5°	765.8	867.1	988.5	1114.9	1250.6	1384.0	1509.0	1633.3	1761.8	1891.0	2032.2
50°	824.5	950.9	1083.9	1230.8	1377.4	1520.4	1663.8	1806.8	1960.8	2119.2	2279.3
47.5°	893.2	1031.0	1188.1	1345.6	1505.9	1665.1	1824.8	1997.7	2172.5	2356.3	2533.4
45°	962.6	1117.6	1286.8	1465.0	1638.3	1814.5	2001.2	2192.4	2397.4	2599.5	2812.6
42.5°	1028.4	1203.6	1390.2	1582.6	1775.4	1972.2	2177.6	2400.8	2624.9	2858.0	3092.1
40°	1101.3	1285.4	1491.2	1703.1	1912.2	2130.5	2365.1	2607.0	2860.5	3116.8	3371.0
37.5°	1171.4	1373.8	1590.1	1818.2	2052.9	2292.7	2547.5	2822.0	3097.0	3372.7	3653.1
35°	1237.1	1457.6	1691.8	1934.0	2182.9	2455.7	2740.5	3033.6	3331.4	3629.7	3931.3
32.5°	1304.6	1536.6	1789.1	2048.2	2322.5	2615.1	2927.1	3244.6	3561.8	3880.4	4210.5
30°	1372.3	1619.4	1883.3	2156.2	2456.3	2775.0	3110.4	3446.7	3782.3	4132.8	4484.6
27.5°	1436.2	1698.0	1975.8	2267.9	2584.5	2923.2	3279.3	3639.6	4001.4	4374.1	4749.3
25°	1495.1	1772.5	2061.7	2375.3	2710.9	3065.7	3436.7	3812.6	4209.5	4608.3	5000.1
22.5°	1552.5	1840.8	2141.2	2474.3	2825.4	3198.1	3584.4	3981.3	4396.0	4824.3	5229.9
20°	1607.8	1906.0	2218.6	2564.0	2928.0	3317.2	3718.6	4134.3	4569.4	5009.1	5445.3
17.5°	1656.8	1963.9	2290.7	2647.9	3026.0	3426.2	3839.5	4268.9	4723.4	5179.2	5641.3
15°	1699.5	2014.2	2353.1	2721.1	3112.5	3525.2	3951.8	4393.4	4859.5	5334.2	5814.6
12.5°	1735.7	2056.9	2405.7	2783.3	3185.9	3610.1	4048.3	4505.3	4984.1	5472.0	5966.4
10°	1765.0	2091.6	2448.2	2834.2	3245.9	3680.3	4127.7	4597.7	5090.7	5589.3	6094.0
7.5°	1790.0	2120.7	2481.9	2873.4	3292.1	3735.3	4189.5	4669.7	5175.7	5680.8	6196.6
5°	1808.2	2144.1	2512.9	2906.3	3332.3	3778.2	4236.4	4721.0	5237.8	5745.9	6270.9
2.5°	1819.1	2159.4	2534.0	2927.6	3363.9	3810.4	4278.0	4766.3	5283.4	5797.6	6326.8
0°	1822.8	2166.2	2544.8	2936.7	3381.3	3826.0	4301.5	4790.2	5305.4	5829.3	6362.0
-2.5°	1819.1	2159.4	2534.0	2927.6	3363.9	3810.4	4278.0	4766.3	5283.4	5797.6	6326.8
-5°	1808.2	2144.1	2512.9	2906.3	3332.3	3778.2	4236.4	4721.0	5237.8	5745.9	6270.9
-7.5°	1790.0	2120.7	2481.9	2873.4	3292.1	3735.3	4189.5	4669.7	5175.7	5680.8	6196.6
-10°	1765.0	2091.6	2448.2	2834.2	3245.9	3680.3	4127.7	4597.7	5090.7	5589.3	6094.0
-12.5°	1735.7	2056.9	2405.7	2783.3	3185.9	3610.1	4048.3	4505.3	4984.1	5472.0	5966.4
-15°	1699.5	2014.2	2353.1	2721.1	3112.5	3525.2	3951.8	4393.4	4859.5	5334.2	5814.6
-17.5°	1656.8	1963.9	2290.7	2647.9	3026.0	3426.2	3839.5	4268.9	4723.4	5179.2	5641.3
-20°	1607.8	1906.0	2218.6	2564.0	2928.0	3317.2	3718.6	4134.3	4569.4	5009.1	5445.3

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1552.5	1840.8	2141.2	2474.3	2825.4	3198.1	3584.4	3981.3	4396.0	4824.3	5229.9
-25°	1495.1	1772.5	2061.7	2375.3	2710.9	3065.7	3436.7	3812.6	4209.5	4608.3	5000.1
-27.5°	1436.2	1698.0	1975.8	2267.9	2584.5	2923.2	3279.3	3639.6	4001.4	4374.1	4749.3
-30°	1372.3	1619.4	1883.3	2156.2	2456.3	2775.0	3110.4	3446.7	3782.3	4132.8	4484.6
-32.5°	1304.6	1536.6	1789.1	2048.2	2322.5	2615.1	2927.1	3244.6	3561.8	3880.4	4210.5
-35°	1237.1	1457.6	1691.8	1934.0	2182.9	2455.7	2740.5	3033.6	3331.4	3629.7	3931.3
-37.5°	1171.4	1373.8	1590.1	1818.2	2052.9	2292.7	2547.5	2822.0	3097.0	3372.7	3653.1
-40°	1101.3	1285.4	1491.2	1703.1	1912.2	2130.5	2365.1	2607.0	2860.5	3116.8	3371.0
-42.5°	1028.4	1203.6	1390.2	1582.6	1775.4	1972.2	2177.6	2400.8	2624.9	2858.0	3092.1
-45°	962.6	1117.6	1286.8	1465.0	1638.3	1814.5	2001.2	2192.4	2397.4	2599.5	2812.6
-47.5°	893.2	1031.0	1188.1	1345.6	1505.9	1665.1	1824.8	1997.7	2172.5	2356.3	2533.4
-50°	824.5	950.9	1083.9	1230.8	1377.4	1520.4	1663.8	1806.8	1960.8	2119.2	2279.3
-52.5°	765.8	867.1	988.5	1114.9	1250.6	1384.0	1509.0	1633.3	1761.8	1891.0	2032.2
-55°	705.0	795.7	892.6	1005.5	1123.0	1247.4	1361.1	1470.2	1576.5	1690.7	1799.2
-57.5°	649.7	724.9	806.4	898.4	1002.7	1107.9	1213.4	1311.1	1407.6	1501.7	1591.8
-60°	597.5	657.2	725.1	801.7	884.2	977.8	1067.7	1158.5	1243.7	1320.9	1400.6
-62.5°	543.8	593.1	646.8	709.3	779.9	850.3	929.3	1009.1	1086.8	1155.0	1218.0
-65°	485.5	526.5	570.7	620.8	676.2	735.7	797.6	861.4	930.4	988.3	1041.0
-67.5°	424.4	459.4	494.8	531.7	576.5	623.3	669.7	722.9	777.3	825.5	868.6
-70°	354.2	390.4	420.5	449.7	479.7	514.6	553.8	592.4	632.1	675.5	717.3
-72.5°	282.3	315.3	344.0	368.3	390.3	413.6	439.8	468.4	504.0	543.3	579.1
-75°	215.1	240.9	266.6	289.0	304.7	316.3	327.1	344.6	378.3	417.7	451.9
-77.5°	151.3	174.9	195.4	212.8	222.2	230.6	237.3	242.5	268.3	302.0	335.5
-80°	95.4	109.4	128.0	144.4	151.6	155.3	157.0	156.7	176.7	203.4	231.5
-82.5°	53.6	64.6	75.2	85.2	87.8	87.8	86.9	87.2	103.0	121.2	139.8
-85°	17.2	19.7	27.4	34.8	38.4	40.6	41.6	41.4	48.2	56.0	64.5
-87.5°	8.6	9.9	11.2	12.6	12.7	12.7	12.6	12.5	13.0	13.5	14.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.4	14.8	15.2	15.6	16.0	16.3	16.5	16.8	17.0	16.1	15.2
85°	73.6	78.8	83.6	88.3	92.7	96.9	100.8	104.5	107.9	98.5	88.1
82.5°	158.8	171.6	183.7	195.8	207.7	210.8	211.7	211.2	209.5	193.1	175.0
80°	259.2	280.8	301.2	321.4	341.3	343.6	341.3	337.1	331.3	309.8	285.4
77.5°	368.8	396.0	419.8	441.6	461.5	465.2	464.7	463.6	462.0	440.0	413.4
75°	481.2	507.8	533.4	555.2	573.4	581.8	585.9	588.8	590.4	574.6	553.9
72.5°	611.5	639.2	661.8	683.0	700.9	713.8	723.1	730.2	735.0	730.2	721.7
70°	752.9	782.6	807.5	831.4	855.7	875.2	889.9	900.6	907.3	911.8	914.9
67.5°	912.1	951.9	986.7	1016.3	1045.7	1073.2	1095.9	1114.4	1128.7	1140.8	1150.1
65°	1091.5	1142.4	1187.5	1228.9	1266.9	1306.9	1339.6	1367.2	1389.3	1407.5	1422.2
62.5°	1280.0	1342.4	1400.4	1456.6	1511.7	1565.9	1607.6	1645.5	1679.1	1708.1	1731.2
60°	1476.0	1546.9	1624.7	1698.9	1767.2	1829.6	1891.5	1945.2	1991.1	2029.2	2060.0
57.5°	1686.7	1778.5	1869.3	1961.5	2048.6	2130.1	2206.4	2273.7	2330.6	2377.2	2416.4
55°	1914.2	2029.0	2134.4	2250.7	2363.0	2465.3	2555.3	2634.5	2702.9	2760.2	2808.9
52.5°	2164.3	2303.8	2440.7	2573.0	2700.6	2819.2	2927.1	3019.2	3101.2	3171.4	3227.5
50°	2438.0	2597.6	2756.4	2903.6	3050.1	3186.8	3310.4	3417.3	3512.7	3595.3	3660.3
47.5°	2724.3	2906.0	3083.2	3251.7	3413.8	3565.8	3699.7	3821.6	3940.5	4037.5	4114.2
45°	3021.6	3225.4	3420.9	3613.5	3792.1	3962.4	4127.5	4279.3	4401.4	4508.3	4598.0
42.5°	3322.4	3549.8	3768.7	3978.9	4175.2	4372.2	4557.9	4723.9	4863.1	4984.6	5086.6
40°	3627.3	3876.1	4117.4	4346.5	4571.0	4785.8	4986.6	5161.6	5318.6	5463.0	5583.2
37.5°	3930.5	4204.3	4471.6	4728.2	4975.4	5208.1	5425.2	5622.9	5800.1	5964.5	6098.0
35°	4235.1	4535.5	4828.1	5110.5	5380.6	5637.3	5875.0	6100.0	6308.8	6475.2	6611.8
32.5°	4538.5	4861.5	5179.9	5490.8	5786.4	6063.2	6320.7	6569.3	6784.1	6967.1	7124.1
30°	4832.2	5182.1	5528.8	5865.9	6185.2	6485.1	6770.2	7033.2	7264.1	7464.3	7640.4
27.5°	5120.3	5496.2	5868.2	6228.4	6573.5	6899.5	7210.6	7495.7	7747.8	7965.3	8151.0
25°	5392.7	5796.7	6193.2	6575.0	6943.8	7303.3	7639.2	7950.4	8219.6	8458.4	8649.2
22.5°	5652.8	6083.6	6500.3	6902.1	7296.4	7684.0	8051.8	8376.6	8662.0	8911.6	9122.8
20°	5895.2	6356.8	6783.2	7208.0	7623.4	8037.2	8432.1	8774.9	9076.8	9342.6	9575.4
17.5°	6121.7	6595.3	7044.2	7496.5	7934.3	8368.4	8769.6	9137.0	9462.7	9745.0	9988.8
15°	6313.6	6791.8	7282.0	7764.9	8226.7	8666.3	9067.0	9450.8	9812.4	10117.7	10364.9
12.5°	6468.9	6966.2	7477.6	7990.3	8478.6	8917.6	9337.2	9726.5	10106.4	10449.2	10676.5
10°	6601.2	7113.4	7641.3	8164.2	8659.0	9123.5	9579.7	9991.3	10364.6	10671.6	10925.4
7.5°	6715.7	7243.2	7779.4	8303.1	8796.3	9276.2	9745.8	10183.0	10559.8	10849.1	11075.5
5°	6800.0	7340.2	7886.7	8415.2	8915.3	9396.8	9868.5	10300.2	10668.1	10962.4	11209.3
2.5°	6860.5	7405.6	7956.1	8485.4	8996.5	9479.2	9962.7	10399.3	10755.5	11025.2	11261.5
0°	6899.2	7445.1	7999.9	8541.4	9043.3	9510.0	10029.5	10439.0	10808.8	11077.4	11324.0
-2.5°	6860.5	7405.6	7956.1	8485.4	8996.5	9479.2	9962.7	10399.3	10755.5	11025.2	11261.5
-5°	6800.0	7340.2	7886.7	8415.2	8915.3	9396.8	9868.5	10300.2	10668.1	10962.4	11209.3
-7.5°	6715.7	7243.2	7779.4	8303.1	8796.3	9276.2	9745.8	10183.0	10559.8	10849.1	11075.5
-10°	6601.2	7113.4	7641.3	8164.2	8659.0	9123.5	9579.7	9991.3	10364.6	10671.6	10925.4
-12.5°	6468.9	6966.2	7477.6	7990.3	8478.6	8917.6	9337.2	9726.5	10106.4	10449.2	10676.5
-15°	6313.6	6791.8	7282.0	7764.9	8226.7	8666.3	9067.0	9450.8	9812.4	10117.7	10364.9
-17.5°	6121.7	6595.3	7044.2	7496.5	7934.3	8368.4	8769.6	9137.0	9462.7	9745.0	9988.8
-20°	5895.2	6356.8	6783.2	7208.0	7623.4	8037.2	8432.1	8774.9	9076.8	9342.6	9575.4

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REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5652.8	6083.6	6500.3	6902.1	7296.4	7684.0	8051.8	8376.6	8662.0	8911.6	9122.8
-25°	5392.7	5796.7	6193.2	6575.0	6943.8	7303.3	7639.2	7950.4	8219.6	8458.4	8649.2
-27.5°	5120.3	5496.2	5868.2	6228.4	6573.5	6899.5	7210.6	7495.7	7747.8	7965.3	8151.0
-30°	4832.2	5182.1	5528.8	5865.9	6185.2	6485.1	6770.2	7033.2	7264.1	7464.3	7640.4
-32.5°	4538.5	4861.5	5179.9	5490.8	5786.4	6063.2	6320.7	6569.3	6784.1	6967.1	7124.1
-35°	4235.1	4535.5	4828.1	5110.5	5380.6	5637.3	5875.0	6100.0	6308.8	6475.2	6611.8
-37.5°	3930.5	4204.3	4471.6	4728.2	4975.4	5208.1	5425.2	5622.9	5800.1	5964.5	6098.0
-40°	3627.3	3876.1	4117.4	4346.5	4571.0	4785.8	4986.6	5161.6	5318.6	5463.0	5583.2
-42.5°	3322.4	3549.8	3768.7	3978.9	4175.2	4372.2	4557.9	4723.9	4863.1	4984.6	5086.6
-45°	3021.6	3225.4	3420.9	3613.5	3792.1	3962.4	4127.5	4279.3	4401.4	4508.3	4598.0
-47.5°	2724.3	2906.0	3083.2	3251.7	3413.8	3565.8	3699.7	3821.6	3940.5	4037.5	4114.2
-50°	2438.0	2597.6	2756.4	2903.6	3050.1	3186.8	3310.4	3417.3	3512.7	3595.3	3660.3
-52.5°	2164.3	2303.8	2440.7	2573.0	2700.6	2819.2	2927.1	3019.2	3101.2	3171.4	3227.5
-55°	1914.2	2029.0	2134.4	2250.7	2363.0	2465.3	2555.3	2634.5	2702.9	2760.2	2808.9
-57.5°	1686.7	1778.5	1869.3	1961.5	2048.6	2130.1	2206.4	2273.7	2330.6	2377.2	2416.4
-60°	1476.0	1546.9	1624.7	1698.9	1767.2	1829.6	1891.5	1945.2	1991.1	2029.2	2060.0
-62.5°	1280.0	1342.4	1400.4	1456.6	1511.7	1565.9	1607.6	1645.5	1679.1	1708.1	1731.2
-65°	1091.5	1142.4	1187.5	1228.9	1266.9	1306.9	1339.6	1367.2	1389.3	1407.5	1422.2
-67.5°	912.1	951.9	986.7	1016.3	1045.7	1073.2	1095.9	1114.4	1128.7	1140.8	1150.1
-70°	752.9	782.6	807.5	831.4	855.7	875.2	889.9	900.6	907.3	911.8	914.9
-72.5°	611.5	639.2	661.8	683.0	700.9	713.8	723.1	730.2	735.0	730.2	721.7
-75°	481.2	507.8	533.4	555.2	573.4	581.8	585.9	588.8	590.4	574.6	553.9
-77.5°	368.8	396.0	419.8	441.6	461.5	465.2	464.7	463.6	462.0	440.0	413.4
-80°	259.2	280.8	301.2	321.4	341.3	343.6	341.3	337.1	331.3	309.8	285.4
-82.5°	158.8	171.6	183.7	195.8	207.7	210.8	211.7	211.2	209.5	193.1	175.0
-85°	73.6	78.8	83.6	88.3	92.7	96.9	100.8	104.5	107.9	98.5	88.1
-87.5°	14.4	14.8	15.2	15.6	16.0	16.3	16.5	16.8	17.0	16.1	15.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.2	13.2	13.2	13.2	13.2	13.2	14.2	15.2	16.1	17.0	16.8
85°	77.2	65.7	61.5	57.2	61.5	65.7	77.2	88.1	98.5	107.9	104.5
82.5°	155.9	136.0	129.8	123.3	129.8	136.0	155.9	175.0	193.1	209.5	211.2
80°	259.6	232.7	222.1	211.3	222.1	232.7	259.6	285.4	309.8	331.3	337.1
77.5°	385.3	355.8	343.1	330.2	343.1	355.8	385.3	413.4	440.0	462.0	463.6
75°	532.1	509.0	495.0	479.9	495.0	509.0	532.1	553.9	574.6	590.4	588.8
72.5°	712.0	700.7	690.5	678.0	690.5	700.7	712.0	721.7	730.2	735.0	730.2
70°	915.9	914.5	916.3	915.8	916.3	914.5	915.9	914.9	911.8	907.3	900.6
67.5°	1154.9	1155.2	1160.1	1162.3	1160.1	1155.2	1154.9	1150.1	1140.8	1128.7	1114.4
65°	1431.3	1434.7	1433.4	1426.5	1433.4	1434.7	1431.3	1422.2	1407.5	1389.3	1367.2
62.5°	1747.6	1757.1	1762.3	1761.1	1762.3	1757.1	1747.6	1731.2	1708.1	1679.1	1645.5
60°	2082.9	2097.8	2105.3	2104.5	2105.3	2097.8	2082.9	2060.0	2029.2	1991.1	1945.2
57.5°	2445.6	2464.7	2469.2	2461.2	2469.2	2464.7	2445.6	2416.4	2377.2	2330.6	2273.7
55°	2845.6	2870.0	2879.5	2875.0	2879.5	2870.0	2845.6	2808.9	2760.2	2702.9	2634.5
52.5°	3268.6	3295.1	3304.4	3297.7	3304.4	3295.1	3268.6	3227.5	3171.4	3101.2	3019.2
50°	3708.0	3740.0	3752.9	3746.8	3752.9	3740.0	3708.0	3660.3	3595.3	3512.7	3417.3
47.5°	4174.4	4217.0	4233.6	4222.3	4233.6	4217.0	4174.4	4114.2	4037.5	3940.5	3821.6
45°	4665.1	4709.3	4726.4	4715.4	4726.4	4709.3	4665.1	4598.0	4508.3	4401.4	4279.3
42.5°	5164.6	5222.0	5246.3	5226.1	5246.3	5222.0	5164.6	5086.6	4984.6	4863.1	4723.9
40°	5673.0	5735.3	5764.0	5750.0	5764.0	5735.3	5673.0	5583.2	5463.0	5318.6	5161.6
37.5°	6194.3	6256.3	6286.8	6287.2	6286.8	6256.3	6194.3	6098.0	5964.5	5800.1	5622.9
35°	6717.6	6792.7	6835.1	6833.1	6835.1	6792.7	6717.6	6611.8	6475.2	6308.8	6100.0
32.5°	7248.3	7329.6	7373.0	7379.1	7373.0	7329.6	7248.3	7124.1	6967.1	6784.1	6569.3
30°	7778.0	7867.4	7917.6	7938.2	7917.6	7867.4	7778.0	7640.4	7464.3	7264.1	7033.2
27.5°	8291.8	8401.7	8477.6	8484.2	8477.6	8401.7	8291.8	8151.0	7965.3	7747.8	7495.7
25°	8789.3	8901.3	8979.1	8994.9	8979.1	8901.3	8789.3	8649.2	8458.4	8219.6	7950.4
22.5°	9279.7	9396.7	9468.5	9496.8	9468.5	9396.7	9279.7	9122.8	8911.6	8662.0	8376.6
20°	9747.8	9874.6	9950.8	9981.1	9950.8	9874.6	9747.8	9575.4	9342.6	9076.8	8774.9
17.5°	10171.3	10305.3	10399.4	10425.8	10399.4	10305.3	10171.3	9988.8	9745.0	9462.7	9137.0
15°	10544.0	10671.1	10760.4	10795.6	10760.4	10671.1	10544.0	10364.9	10117.7	9812.4	9450.8
12.5°	10847.4	10961.0	11031.0	11064.2	11031.0	10961.0	10847.4	10676.5	10449.2	10106.4	9726.5
10°	11084.4	11198.4	11265.2	11310.8	11265.2	11198.4	11084.4	10925.4	10671.6	10364.6	9991.3
7.5°	11290.1	11406.9	11488.7	11552.9	11488.7	11406.9	11290.1	11075.5	10849.1	10559.8	10183.0
5°	11403.7	11598.7	11628.1	11671.8	11628.1	11598.7	11403.7	11209.3	10962.4	10668.1	10300.2
2.5°	11490.3	11628.6	11711.8	11702.6	11711.8	11628.6	11490.3	11261.5	11025.2	10755.5	10399.3
0°	11552.9	11676.2	11707.0	11746.6	11707.0	11676.2	11552.9	11324.0	11077.4	10808.8	10439.0
-2.5°	11490.3	11628.6	11711.8	11702.6	11711.8	11628.6	11490.3	11261.5	11025.2	10755.5	10399.3
-5°	11403.7	11598.7	11628.1	11671.8	11628.1	11598.7	11403.7	11209.3	10962.4	10668.1	10300.2
-7.5°	11290.1	11406.9	11488.7	11552.9	11488.7	11406.9	11290.1	11075.5	10849.1	10559.8	10183.0
-10°	11084.4	11198.4	11265.2	11310.8	11265.2	11198.4	11084.4	10925.4	10671.6	10364.6	9991.3
-12.5°	10847.4	10961.0	11031.0	11064.2	11031.0	10961.0	10847.4	10676.5	10449.2	10106.4	9726.5
-15°	10544.0	10671.1	10760.4	10795.6	10760.4	10671.1	10544.0	10364.9	10117.7	9812.4	9450.8
-17.5°	10171.3	10305.3	10399.4	10425.8	10399.4	10305.3	10171.3	9988.8	9745.0	9462.7	9137.0
-20°	9747.8	9874.6	9950.8	9981.1	9950.8	9874.6	9747.8	9575.4	9342.6	9076.8	8774.9



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9279.7	9396.7	9468.5	9496.8	9468.5	9396.7	9279.7	9122.8	8911.6	8662.0	8376.6
-25°	8789.3	8901.3	8979.1	8994.9	8979.1	8901.3	8789.3	8649.2	8458.4	8219.6	7950.4
-27.5°	8291.8	8401.7	8477.6	8484.2	8477.6	8401.7	8291.8	8151.0	7965.3	7747.8	7495.7
-30°	7778.0	7867.4	7917.6	7938.2	7917.6	7867.4	7778.0	7640.4	7464.3	7264.1	7033.2
-32.5°	7248.3	7329.6	7373.0	7379.1	7373.0	7329.6	7248.3	7124.1	6967.1	6784.1	6569.3
-35°	6717.6	6792.7	6835.1	6833.1	6835.1	6792.7	6717.6	6611.8	6475.2	6308.8	6100.0
-37.5°	6194.3	6256.3	6286.8	6287.2	6286.8	6256.3	6194.3	6098.0	5964.5	5800.1	5622.9
-40°	5673.0	5735.3	5764.0	5750.0	5764.0	5735.3	5673.0	5583.2	5463.0	5318.6	5161.6
-42.5°	5164.6	5222.0	5246.3	5226.1	5246.3	5222.0	5164.6	5086.6	4984.6	4863.1	4723.9
-45°	4665.1	4709.3	4726.4	4715.4	4726.4	4709.3	4665.1	4598.0	4508.3	4401.4	4279.3
-47.5°	4174.4	4217.0	4233.6	4222.3	4233.6	4217.0	4174.4	4114.2	4037.5	3940.5	3821.6
-50°	3708.0	3740.0	3752.9	3746.8	3752.9	3740.0	3708.0	3660.3	3595.3	3512.7	3417.3
-52.5°	3268.6	3295.1	3304.4	3297.7	3304.4	3295.1	3268.6	3227.5	3171.4	3101.2	3019.2
-55°	2845.6	2870.0	2879.5	2875.0	2879.5	2870.0	2845.6	2808.9	2760.2	2702.9	2634.5
-57.5°	2445.6	2464.7	2469.2	2461.2	2469.2	2464.7	2445.6	2416.4	2377.2	2330.6	2273.7
-60°	2082.9	2097.8	2105.3	2104.5	2105.3	2097.8	2082.9	2060.0	2029.2	1991.1	1945.2
-62.5°	1747.6	1757.1	1762.3	1761.1	1762.3	1757.1	1747.6	1731.2	1708.1	1679.1	1645.5
-65°	1431.3	1434.7	1433.4	1426.5	1433.4	1434.7	1431.3	1422.2	1407.5	1389.3	1367.2
-67.5°	1154.9	1155.2	1160.1	1162.3	1160.1	1155.2	1154.9	1150.1	1140.8	1128.7	1114.4
-70°	915.9	914.5	916.3	915.8	916.3	914.5	915.9	914.9	911.8	907.3	900.6
-72.5°	712.0	700.7	690.5	678.0	690.5	700.7	712.0	721.7	730.2	735.0	730.2
-75°	532.1	509.0	495.0	479.9	495.0	509.0	532.1	553.9	574.6	590.4	588.8
-77.5°	385.3	355.8	343.1	330.2	343.1	355.8	385.3	413.4	440.0	462.0	463.6
-80°	259.6	232.7	222.1	211.3	222.1	232.7	259.6	285.4	309.8	331.3	337.1
-82.5°	155.9	136.0	129.8	123.3	129.8	136.0	155.9	175.0	193.1	209.5	211.2
-85°	77.2	65.7	61.5	57.2	61.5	65.7	77.2	88.1	98.5	107.9	104.5
-87.5°	14.2	13.2	13.2	13.2	13.2	13.2	14.2	15.2	16.1	17.0	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.5	16.3	16.0	15.6	15.2	14.8	14.4	14.0	13.5	13.0	12.5
85°	100.8	96.9	92.7	88.3	83.6	78.8	73.6	64.5	56.0	48.2	41.4
82.5°	211.7	210.8	207.7	195.8	183.7	171.6	158.8	139.8	121.2	103.0	87.2
80°	341.3	343.6	341.3	321.4	301.2	280.8	259.2	231.5	203.4	176.7	156.7
77.5°	464.7	465.2	461.5	441.6	419.8	396.0	368.8	335.5	302.0	268.3	242.5
75°	585.9	581.8	573.4	555.2	533.4	507.8	481.2	451.9	417.7	378.3	344.6
72.5°	723.1	713.8	700.9	683.0	661.8	639.2	611.5	579.1	543.3	504.0	468.4
70°	889.9	875.2	855.7	831.4	807.5	782.6	752.9	717.3	675.5	632.1	592.4
67.5°	1095.9	1073.2	1045.7	1016.3	986.7	951.9	912.1	868.6	825.5	777.3	722.9
65°	1339.6	1306.9	1266.9	1228.9	1187.5	1142.4	1091.5	1041.0	988.3	930.4	861.4
62.5°	1607.6	1565.9	1511.7	1456.6	1400.4	1342.4	1280.0	1218.0	1155.0	1086.8	1009.1
60°	1891.5	1829.6	1767.2	1698.9	1624.7	1546.9	1476.0	1400.6	1320.9	1243.7	1158.5
57.5°	2206.4	2130.1	2048.6	1961.5	1869.3	1778.5	1686.7	1591.8	1501.7	1407.6	1311.1
55°	2555.3	2465.3	2363.0	2250.7	2134.4	2029.0	1914.2	1799.2	1690.7	1576.5	1470.2
52.5°	2927.1	2819.2	2700.6	2573.0	2440.7	2303.8	2164.3	2032.2	1891.0	1761.8	1633.3
50°	3310.4	3186.8	3050.1	2903.6	2756.4	2597.6	2438.0	2279.3	2119.2	1960.8	1806.8
47.5°	3699.7	3565.8	3413.8	3251.7	3083.2	2906.0	2724.3	2533.4	2356.3	2172.5	1997.7
45°	4127.5	3962.4	3792.1	3613.5	3420.9	3225.4	3021.6	2812.6	2599.5	2397.4	2192.4
42.5°	4557.9	4372.2	4175.2	3978.9	3768.7	3549.8	3322.4	3092.1	2858.0	2624.9	2400.8
40°	4986.6	4785.8	4571.0	4346.5	4117.4	3876.1	3627.3	3371.0	3116.8	2860.5	2607.0
37.5°	5425.2	5208.1	4975.4	4728.2	4471.6	4204.3	3930.5	3653.1	3372.7	3097.0	2822.0
35°	5875.0	5637.3	5380.6	5110.5	4828.1	4535.5	4235.1	3931.3	3629.7	3331.4	3033.6
32.5°	6320.7	6063.2	5786.4	5490.8	5179.9	4861.5	4538.5	4210.5	3880.4	3561.8	3244.6
30°	6770.2	6485.1	6185.2	5865.9	5528.8	5182.1	4832.2	4484.6	4132.8	3782.3	3446.7
27.5°	7210.6	6899.5	6573.5	6228.4	5868.2	5496.2	5120.3	4749.3	4374.1	4001.4	3639.6
25°	7639.2	7303.3	6943.8	6575.0	6193.2	5796.7	5392.7	5000.1	4608.3	4209.5	3812.6
22.5°	8051.8	7684.0	7296.4	6902.1	6500.3	6083.6	5652.8	5229.9	4824.3	4396.0	3981.3
20°	8432.1	8037.2	7623.4	7208.0	6783.2	6356.8	5895.2	5445.3	5009.1	4569.4	4134.3
17.5°	8769.6	8368.4	7934.3	7496.5	7044.2	6595.3	6121.7	5641.3	5179.2	4723.4	4268.9
15°	9067.0	8666.3	8226.7	7764.9	7282.0	6791.8	6313.6	5814.6	5334.2	4859.5	4393.4
12.5°	9337.2	8917.6	8478.6	7990.3	7477.6	6966.2	6468.9	5966.4	5472.0	4984.1	4505.3
10°	9579.7	9123.5	8659.0	8164.2	7641.3	7113.4	6601.2	6094.0	5589.3	5090.7	4597.7
7.5°	9745.8	9276.2	8796.3	8303.1	7779.4	7243.2	6715.7	6196.6	5680.8	5175.7	4669.7
5°	9868.5	9396.8	8915.3	8415.2	7886.7	7340.2	6800.0	6270.9	5745.9	5237.8	4721.0
2.5°	9962.7	9479.2	8996.5	8485.4	7956.1	7405.6	6860.5	6326.8	5797.6	5283.4	4766.3
0°	10029.5	9510.0	9043.3	8541.4	7999.9	7445.1	6899.2	6362.0	5829.3	5305.4	4790.2
-2.5°	9962.7	9479.2	8996.5	8485.4	7956.1	7405.6	6860.5	6326.8	5797.6	5283.4	4766.3
-5°	9868.5	9396.8	8915.3	8415.2	7886.7	7340.2	6800.0	6270.9	5745.9	5237.8	4721.0
-7.5°	9745.8	9276.2	8796.3	8303.1	7779.4	7243.2	6715.7	6196.6	5680.8	5175.7	4669.7
-10°	9579.7	9123.5	8659.0	8164.2	7641.3	7113.4	6601.2	6094.0	5589.3	5090.7	4597.7
-12.5°	9337.2	8917.6	8478.6	7990.3	7477.6	6966.2	6468.9	5966.4	5472.0	4984.1	4505.3
-15°	9067.0	8666.3	8226.7	7764.9	7282.0	6791.8	6313.6	5814.6	5334.2	4859.5	4393.4
-17.5°	8769.6	8368.4	7934.3	7496.5	7044.2	6595.3	6121.7	5641.3	5179.2	4723.4	4268.9
-20°	8432.1	8037.2	7623.4	7208.0	6783.2	6356.8	5895.2	5445.3	5009.1	4569.4	4134.3

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8051.8	7684.0	7296.4	6902.1	6500.3	6083.6	5652.8	5229.9	4824.3	4396.0	3981.3
-25°	7639.2	7303.3	6943.8	6575.0	6193.2	5796.7	5392.7	5000.1	4608.3	4209.5	3812.6
-27.5°	7210.6	6899.5	6573.5	6228.4	5868.2	5496.2	5120.3	4749.3	4374.1	4001.4	3639.6
-30°	6770.2	6485.1	6185.2	5865.9	5528.8	5182.1	4832.2	4484.6	4132.8	3782.3	3446.7
-32.5°	6320.7	6063.2	5786.4	5490.8	5179.9	4861.5	4538.5	4210.5	3880.4	3561.8	3244.6
-35°	5875.0	5637.3	5380.6	5110.5	4828.1	4535.5	4235.1	3931.3	3629.7	3331.4	3033.6
-37.5°	5425.2	5208.1	4975.4	4728.2	4471.6	4204.3	3930.5	3653.1	3372.7	3097.0	2822.0
-40°	4986.6	4785.8	4571.0	4346.5	4117.4	3876.1	3627.3	3371.0	3116.8	2860.5	2607.0
-42.5°	4557.9	4372.2	4175.2	3978.9	3768.7	3549.8	3322.4	3092.1	2858.0	2624.9	2400.8
-45°	4127.5	3962.4	3792.1	3613.5	3420.9	3225.4	3021.6	2812.6	2599.5	2397.4	2192.4
-47.5°	3699.7	3565.8	3413.8	3251.7	3083.2	2906.0	2724.3	2533.4	2356.3	2172.5	1997.7
-50°	3310.4	3186.8	3050.1	2903.6	2756.4	2597.6	2438.0	2279.3	2119.2	1960.8	1806.8
-52.5°	2927.1	2819.2	2700.6	2573.0	2440.7	2303.8	2164.3	2032.2	1891.0	1761.8	1633.3
-55°	2555.3	2465.3	2363.0	2250.7	2134.4	2029.0	1914.2	1799.2	1690.7	1576.5	1470.2
-57.5°	2206.4	2130.1	2048.6	1961.5	1869.3	1778.5	1686.7	1591.8	1501.7	1407.6	1311.1
-60°	1891.5	1829.6	1767.2	1698.9	1624.7	1546.9	1476.0	1400.6	1320.9	1243.7	1158.5
-62.5°	1607.6	1565.9	1511.7	1456.6	1400.4	1342.4	1280.0	1218.0	1155.0	1086.8	1009.1
-65°	1339.6	1306.9	1266.9	1228.9	1187.5	1142.4	1091.5	1041.0	988.3	930.4	861.4
-67.5°	1095.9	1073.2	1045.7	1016.3	986.7	951.9	912.1	868.6	825.5	777.3	722.9
-70°	889.9	875.2	855.7	831.4	807.5	782.6	752.9	717.3	675.5	632.1	592.4
-72.5°	723.1	713.8	700.9	683.0	661.8	639.2	611.5	579.1	543.3	504.0	468.4
-75°	585.9	581.8	573.4	555.2	533.4	507.8	481.2	451.9	417.7	378.3	344.6
-77.5°	464.7	465.2	461.5	441.6	419.8	396.0	368.8	335.5	302.0	268.3	242.5
-80°	341.3	343.6	341.3	321.4	301.2	280.8	259.2	231.5	203.4	176.7	156.7
-82.5°	211.7	210.8	207.7	195.8	183.7	171.6	158.8	139.8	121.2	103.0	87.2
-85°	100.8	96.9	92.7	88.3	83.6	78.8	73.6	64.5	56.0	48.2	41.4
-87.5°	16.5	16.3	16.0	15.6	15.2	14.8	14.4	14.0	13.5	13.0	12.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.6	12.7	12.7	12.6	11.2	9.9	8.6	7.4	6.7	6.0	5.3
85°	41.6	40.6	38.4	34.8	27.4	19.7	17.2	14.9	13.5	12.0	10.6
82.5°	86.9	87.8	87.8	85.2	75.2	64.6	53.6	42.1	31.2	19.8	15.8
80°	157.0	155.3	151.6	144.4	128.0	109.4	95.4	80.9	66.7	51.9	36.5
77.5°	237.3	230.6	222.2	212.8	195.4	174.9	151.3	124.6	102.1	83.8	64.9
75°	327.1	316.3	304.7	289.0	266.6	240.9	215.1	184.0	149.3	116.8	93.0
72.5°	439.8	413.6	390.3	368.3	344.0	315.3	282.3	242.2	200.2	160.5	123.3
70°	553.8	514.6	479.7	449.7	420.5	390.4	354.2	304.7	250.1	203.4	159.6
67.5°	669.7	623.3	576.5	531.7	494.8	459.4	424.4	366.9	304.3	245.3	195.0
65°	797.6	735.7	676.2	620.8	570.7	526.5	485.5	425.2	356.9	290.6	229.5
62.5°	929.3	850.3	779.9	709.3	646.8	593.1	543.8	477.2	407.2	334.3	265.5
60°	1067.7	977.8	884.2	801.7	725.1	657.2	597.5	528.6	454.2	376.4	301.2
57.5°	1213.4	1107.9	1002.7	898.4	806.4	724.9	649.7	577.3	500.5	417.9	334.5
55°	1361.1	1247.4	1123.0	1005.5	892.6	795.7	705.0	624.0	545.1	458.8	363.2
52.5°	1509.0	1384.0	1250.6	1114.9	988.5	867.1	765.8	669.5	586.3	498.7	393.2
50°	1663.8	1520.4	1377.4	1230.8	1083.9	950.9	824.5	721.7	626.1	536.6	421.6
47.5°	1824.8	1665.1	1505.9	1345.6	1188.1	1031.0	893.2	772.8	664.7	570.9	448.0
45°	2001.2	1814.5	1638.3	1465.0	1286.8	1117.6	962.6	821.7	708.4	597.6	472.4
42.5°	2177.6	1972.2	1775.4	1582.6	1390.2	1203.6	1028.4	879.3	750.2	623.2	494.8
40°	2365.1	2130.5	1912.2	1703.1	1491.2	1285.4	1101.3	935.4	789.4	649.7	516.0
37.5°	2547.5	2292.7	2052.9	1818.2	1590.1	1373.8	1171.4	988.1	826.6	679.5	536.1
35°	2740.5	2455.7	2182.9	1934.0	1691.8	1457.6	1237.1	1041.1	869.4	708.6	555.0
32.5°	2927.1	2615.1	2322.5	2048.2	1789.1	1536.6	1304.6	1097.3	910.5	736.8	572.7
30°	3110.4	2775.0	2456.3	2156.2	1883.3	1619.4	1372.3	1149.8	949.8	764.0	590.5
27.5°	3279.3	2923.2	2584.5	2267.9	1975.8	1698.0	1436.2	1198.5	987.1	792.0	611.1
25°	3436.7	3065.7	2710.9	2375.3	2061.7	1772.5	1495.1	1243.6	1025.1	821.2	630.2
22.5°	3584.4	3198.1	2825.4	2474.3	2141.2	1840.8	1552.5	1291.5	1061.1	848.1	647.8
20°	3718.6	3317.2	2928.0	2564.0	2218.6	1906.0	1607.8	1334.6	1093.2	872.5	663.5
17.5°	3839.5	3426.2	3026.0	2647.9	2290.7	1963.9	1656.8	1372.5	1121.4	894.2	677.4
15°	3951.8	3525.2	3112.5	2721.1	2353.1	2014.2	1699.5	1405.2	1145.6	913.1	690.7
12.5°	4048.3	3610.1	3185.9	2783.3	2405.7	2056.9	1735.7	1432.6	1165.7	930.2	703.1
10°	4127.7	3680.3	3245.9	2834.2	2448.2	2091.6	1765.0	1455.6	1184.5	945.0	712.7
7.5°	4189.5	3735.3	3292.1	2873.4	2481.9	2120.7	1790.0	1475.6	1199.7	956.3	719.4
5°	4236.4	3778.2	3332.3	2906.3	2512.9	2144.1	1808.2	1489.8	1210.7	964.1	723.2
2.5°	4278.0	3810.4	3363.9	2927.6	2534.0	2159.4	1819.1	1498.4	1217.3	968.3	724.1
0°	4301.5	3826.0	3381.3	2936.7	2544.8	2166.2	1822.8	1501.3	1219.6	968.6	722.1
-2.5°	4278.0	3810.4	3363.9	2927.6	2534.0	2159.4	1819.1	1498.4	1217.3	968.3	724.1
-5°	4236.4	3778.2	3332.3	2906.3	2512.9	2144.1	1808.2	1489.8	1210.7	964.1	723.2
-7.5°	4189.5	3735.3	3292.1	2873.4	2481.9	2120.7	1790.0	1475.6	1199.7	956.3	719.4
-10°	4127.7	3680.3	3245.9	2834.2	2448.2	2091.6	1765.0	1455.6	1184.5	945.0	712.7
-12.5°	4048.3	3610.1	3185.9	2783.3	2405.7	2056.9	1735.7	1432.6	1165.7	930.2	703.1
-15°	3951.8	3525.2	3112.5	2721.1	2353.1	2014.2	1699.5	1405.2	1145.6	913.1	690.7
-17.5°	3839.5	3426.2	3026.0	2647.9	2290.7	1963.9	1656.8	1372.5	1121.4	894.2	677.4
-20°	3718.6	3317.2	2928.0	2564.0	2218.6	1906.0	1607.8	1334.6	1093.2	872.5	663.5

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3584.4	3198.1	2825.4	2474.3	2141.2	1840.8	1552.5	1291.5	1061.1	848.1	647.8
-25°	3436.7	3065.7	2710.9	2375.3	2061.7	1772.5	1495.1	1243.6	1025.1	821.2	630.2
-27.5°	3279.3	2923.2	2584.5	2267.9	1975.8	1698.0	1436.2	1198.5	987.1	792.0	611.1
-30°	3110.4	2775.0	2456.3	2156.2	1883.3	1619.4	1372.3	1149.8	949.8	764.0	590.5
-32.5°	2927.1	2615.1	2322.5	2048.2	1789.1	1536.6	1304.6	1097.3	910.5	736.8	572.7
-35°	2740.5	2455.7	2182.9	1934.0	1691.8	1457.6	1237.1	1041.1	869.4	708.6	555.0
-37.5°	2547.5	2292.7	2052.9	1818.2	1590.1	1373.8	1171.4	988.1	826.6	679.5	536.1
-40°	2365.1	2130.5	1912.2	1703.1	1491.2	1285.4	1101.3	935.4	789.4	649.7	516.0
-42.5°	2177.6	1972.2	1775.4	1582.6	1390.2	1203.6	1028.4	879.3	750.2	623.2	494.8
-45°	2001.2	1814.5	1638.3	1465.0	1286.8	1117.6	962.6	821.7	708.4	597.6	472.4
-47.5°	1824.8	1665.1	1505.9	1345.6	1188.1	1031.0	893.2	772.8	664.7	570.9	448.0
-50°	1663.8	1520.4	1377.4	1230.8	1083.9	950.9	824.5	721.7	626.1	536.6	421.6
-52.5°	1509.0	1384.0	1250.6	1114.9	988.5	867.1	765.8	669.5	586.3	498.7	393.2
-55°	1361.1	1247.4	1123.0	1005.5	892.6	795.7	705.0	624.0	545.1	458.8	363.2
-57.5°	1213.4	1107.9	1002.7	898.4	806.4	724.9	649.7	577.3	500.5	417.9	334.5
-60°	1067.7	977.8	884.2	801.7	725.1	657.2	597.5	528.6	454.2	376.4	301.2
-62.5°	929.3	850.3	779.9	709.3	646.8	593.1	543.8	477.2	407.2	334.3	265.5
-65°	797.6	735.7	676.2	620.8	570.7	526.5	485.5	425.2	356.9	290.6	229.5
-67.5°	669.7	623.3	576.5	531.7	494.8	459.4	424.4	366.9	304.3	245.3	195.0
-70°	553.8	514.6	479.7	449.7	420.5	390.4	354.2	304.7	250.1	203.4	159.6
-72.5°	439.8	413.6	390.3	368.3	344.0	315.3	282.3	242.2	200.2	160.5	123.3
-75°	327.1	316.3	304.7	289.0	266.6	240.9	215.1	184.0	149.3	116.8	93.0
-77.5°	237.3	230.6	222.2	212.8	195.4	174.9	151.3	124.6	102.1	83.8	64.9
-80°	157.0	155.3	151.6	144.4	128.0	109.4	95.4	80.9	66.7	51.9	36.5
-82.5°	86.9	87.8	87.8	85.2	75.2	64.6	53.6	42.1	31.2	19.8	15.8
-85°	41.6	40.6	38.4	34.8	27.4	19.7	17.2	14.9	13.5	12.0	10.6
-87.5°	12.6	12.7	12.7	12.6	11.2	9.9	8.6	7.4	6.7	6.0	5.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627381 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	3.8	3.1	2.3	1.5	0.7	0.0
85°	9.1	7.6	6.1	4.6	3.1	1.3	0.0
82.5°	13.6	11.4	9.1	6.9	4.6	2.0	0.0
80°	20.5	15.2	12.2	9.1	6.1	2.7	0.0
77.5°	44.7	23.8	15.2	11.4	7.6	3.3	0.0
75°	68.3	41.2	19.8	13.6	9.0	4.0	0.0
72.5°	91.2	58.0	31.5	15.8	10.5	4.6	0.0
70°	114.0	74.3	42.9	19.0	11.8	5.2	0.0
67.5°	141.5	89.9	53.8	26.0	13.2	5.8	0.0
65°	167.7	107.3	64.2	32.7	14.5	6.4	0.0
62.5°	192.6	126.5	74.1	39.2	15.8	7.0	0.0
60°	216.1	144.6	83.4	45.3	17.0	7.6	0.0
57.5°	240.8	161.6	95.7	51.0	20.4	8.1	0.0
55°	264.2	177.4	107.5	56.3	23.8	8.6	0.0
52.5°	285.9	192.4	118.5	61.3	27.0	9.1	0.0
50°	305.7	208.3	128.6	65.8	30.1	9.6	0.0
47.5°	324.3	222.8	137.8	70.5	33.0	10.0	0.0
45°	345.0	235.9	146.1	76.6	35.8	10.4	0.0
42.5°	364.0	247.6	153.4	82.1	38.4	10.8	0.0
40°	381.2	257.8	160.8	87.8	40.9	11.2	0.0
37.5°	396.6	266.5	168.1	93.4	43.2	11.5	0.0
35°	410.2	276.5	174.4	98.6	45.4	11.8	0.0
32.5°	422.8	286.6	179.6	103.4	47.4	12.1	0.0
30°	435.9	295.2	183.8	107.8	49.2	12.4	0.0
27.5°	447.7	302.3	190.1	111.8	50.8	12.6	0.0
25°	458.0	307.9	196.0	115.4	52.3	12.8	0.0
22.5°	466.8	313.6	201.2	118.6	53.6	13.0	0.0
20°	474.2	321.4	205.7	121.3	54.7	13.1	0.0
17.5°	483.3	327.8	209.4	123.6	55.6	13.2	0.0
15°	492.8	332.8	212.5	125.4	56.4	13.3	0.0
12.5°	500.5	336.3	214.8	126.9	57.0	13.4	0.0
10°	506.4	338.6	216.4	127.9	57.4	13.4	0.0
7.5°	510.4	339.5	217.3	128.5	57.6	13.4	0.0
5°	512.5	339.1	217.4	128.6	57.6	13.3	0.0
2.5°	512.6	337.4	216.9	128.4	57.5	13.3	0.0
0°	510.7	334.6	215.7	127.7	57.2	13.2	0.0
-2.5°	512.6	337.4	216.9	128.4	57.5	13.3	0.0
-5°	512.5	339.1	217.4	128.6	57.6	13.3	0.0
-7.5°	510.4	339.5	217.3	128.5	57.6	13.4	0.0
-10°	506.4	338.6	216.4	127.9	57.4	13.4	0.0
-12.5°	500.5	336.3	214.8	126.9	57.0	13.4	0.0
-15°	492.8	332.8	212.5	125.4	56.4	13.3	0.0
-17.5°	483.3	327.8	209.4	123.6	55.6	13.2	0.0
-20°	474.2	321.4	205.7	121.3	54.7	13.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	466.8	313.6	201.2	118.6	53.6	13.0	0.0
-25°	458.0	307.9	196.0	115.4	52.3	12.8	0.0
-27.5°	447.7	302.3	190.1	111.8	50.8	12.6	0.0
-30°	435.9	295.2	183.8	107.8	49.2	12.4	0.0
-32.5°	422.8	286.6	179.6	103.4	47.4	12.1	0.0
-35°	410.2	276.5	174.4	98.6	45.4	11.8	0.0
-37.5°	396.6	266.5	168.1	93.4	43.2	11.5	0.0
-40°	381.2	257.8	160.8	87.8	40.9	11.2	0.0
-42.5°	364.0	247.6	153.4	82.1	38.4	10.8	0.0
-45°	345.0	235.9	146.1	76.6	35.8	10.4	0.0
-47.5°	324.3	222.8	137.8	70.5	33.0	10.0	0.0
-50°	305.7	208.3	128.6	65.8	30.1	9.6	0.0
-52.5°	285.9	192.4	118.5	61.3	27.0	9.1	0.0
-55°	264.2	177.4	107.5	56.3	23.8	8.6	0.0
-57.5°	240.8	161.6	95.7	51.0	20.4	8.1	0.0
-60°	216.1	144.6	83.4	45.3	17.0	7.6	0.0
-62.5°	192.6	126.5	74.1	39.2	15.8	7.0	0.0
-65°	167.7	107.3	64.2	32.7	14.5	6.4	0.0
-67.5°	141.5	89.9	53.8	26.0	13.2	5.8	0.0
-70°	114.0	74.3	42.9	19.0	11.8	5.2	0.0
-72.5°	91.2	58.0	31.5	15.8	10.5	4.6	0.0
-75°	68.3	41.2	19.8	13.6	9.0	4.0	0.0
-77.5°	44.7	23.8	15.2	11.4	7.6	3.3	0.0
-80°	20.5	15.2	12.2	9.1	6.1	2.7	0.0
-82.5°	13.6	11.4	9.1	6.9	4.6	2.0	0.0
-85°	9.1	7.6	6.1	4.6	3.1	1.3	0.0
-87.5°	4.6	3.8	3.1	2.3	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)