

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P200168

Luminaire Tested: **GAP-AF-02-LED-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SLR
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11167.5 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 113
Input Voltage (V): NR
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: 28.75 FT



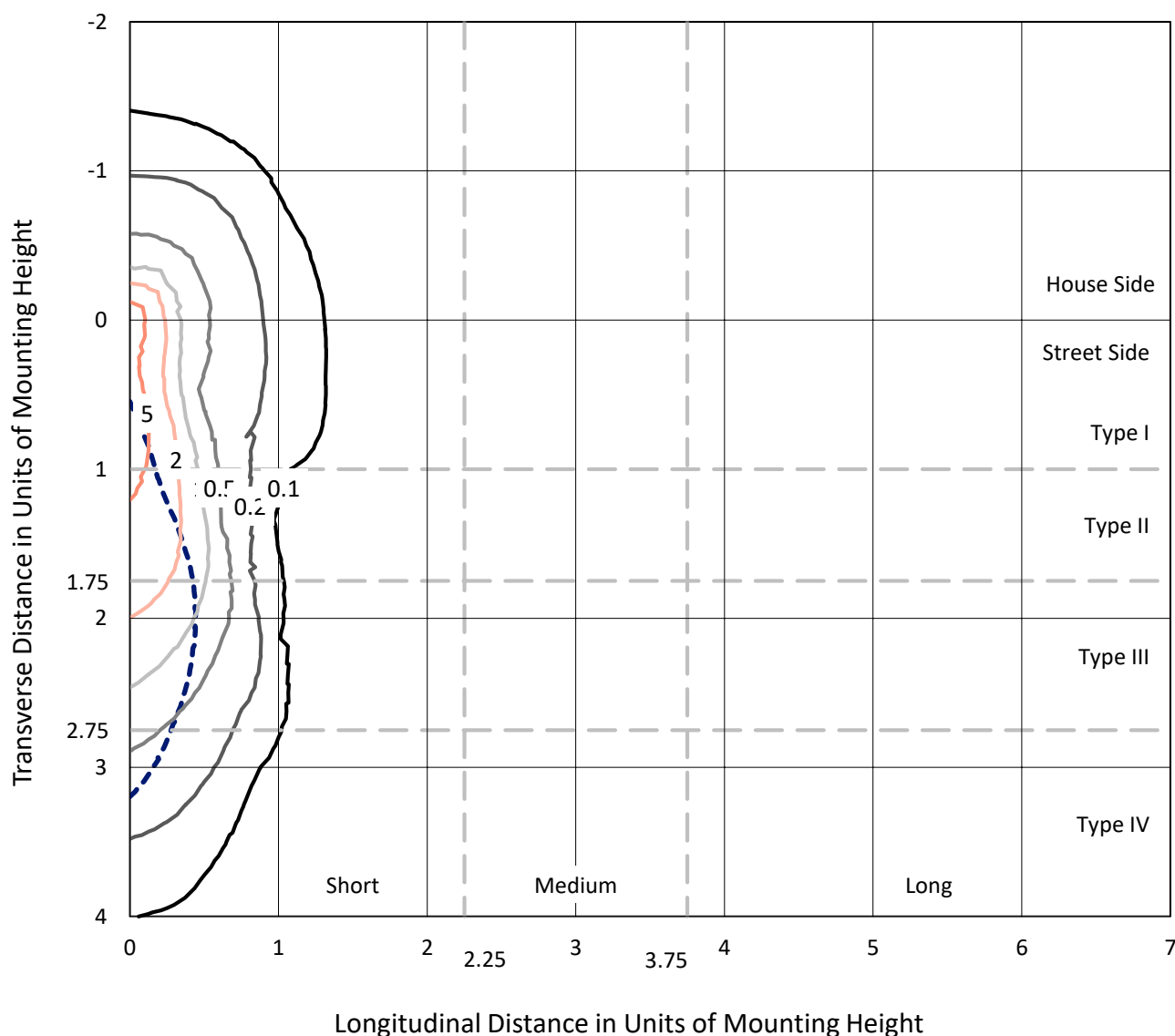
REPORT NUMBER: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

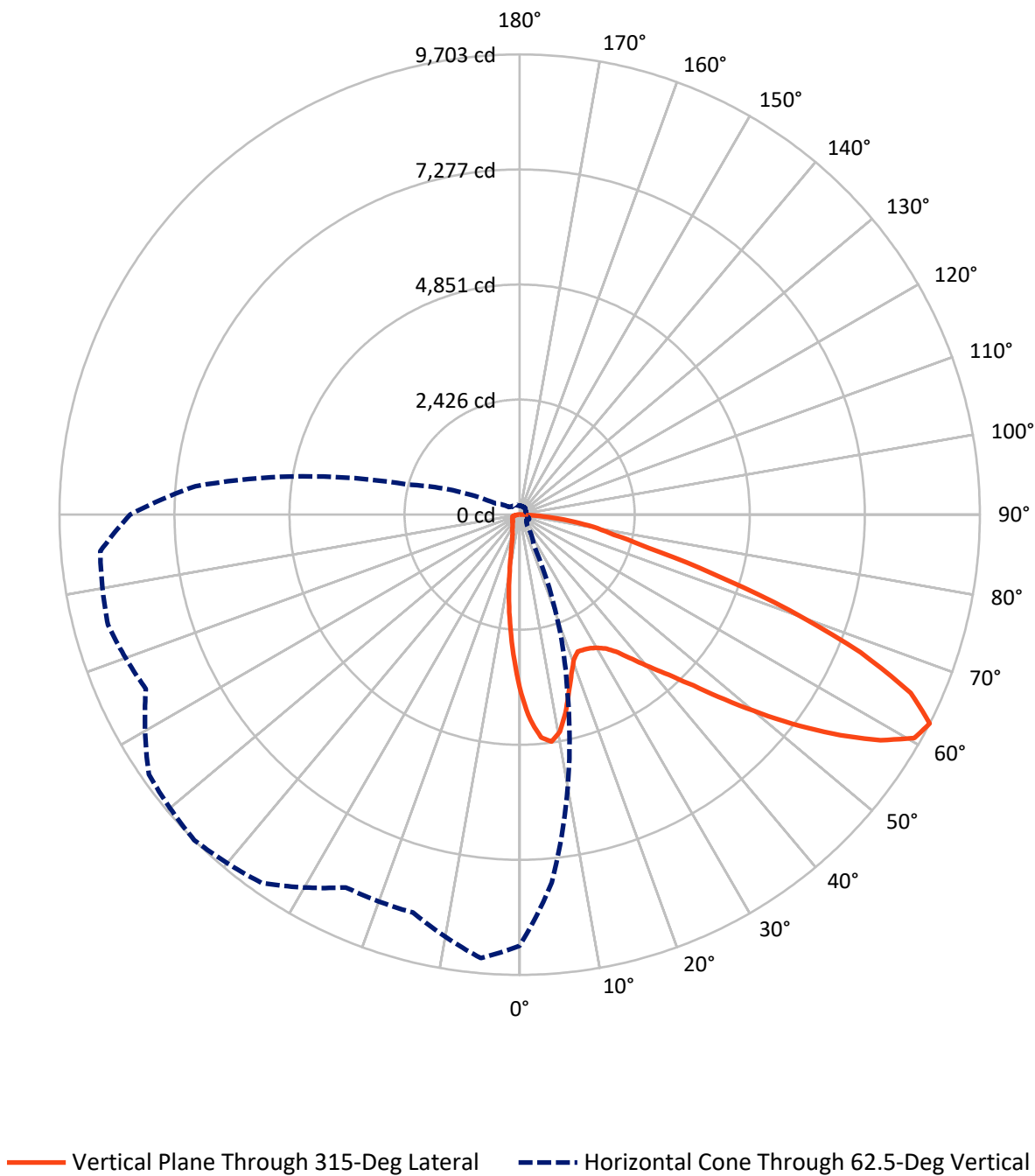


Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

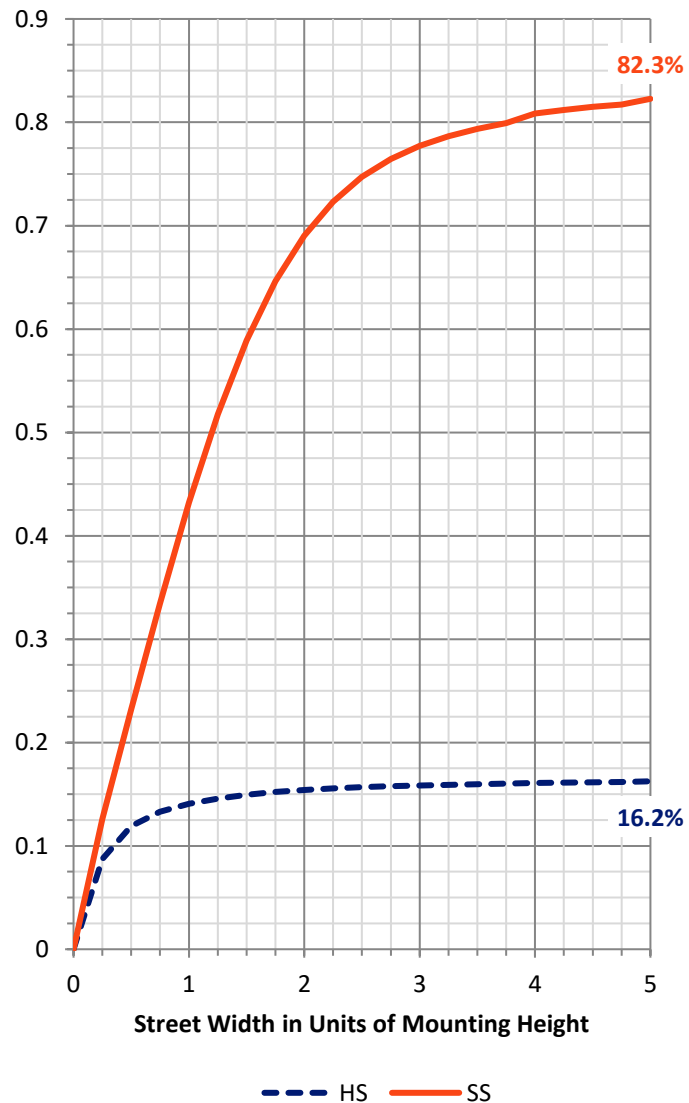
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1848.0	0.0	1848.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9319.5	0.0	9319.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	11167.5	0.0	11167.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	2.5
10°-20°	503.6	4.5
20°-30°	734.3	6.6
30°-40°	1131.0	10.1
40°-50°	1664.5	14.9
50°-60°	2441.4	21.9
60°-70°	2729.1	24.4
70°-80°	1336.1	12.0
80°-90°	352.8	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11167.5	100.0
0°-180°	11167.5	100.0

Coefficient of Utilization



REPORT NUMBER: P200168

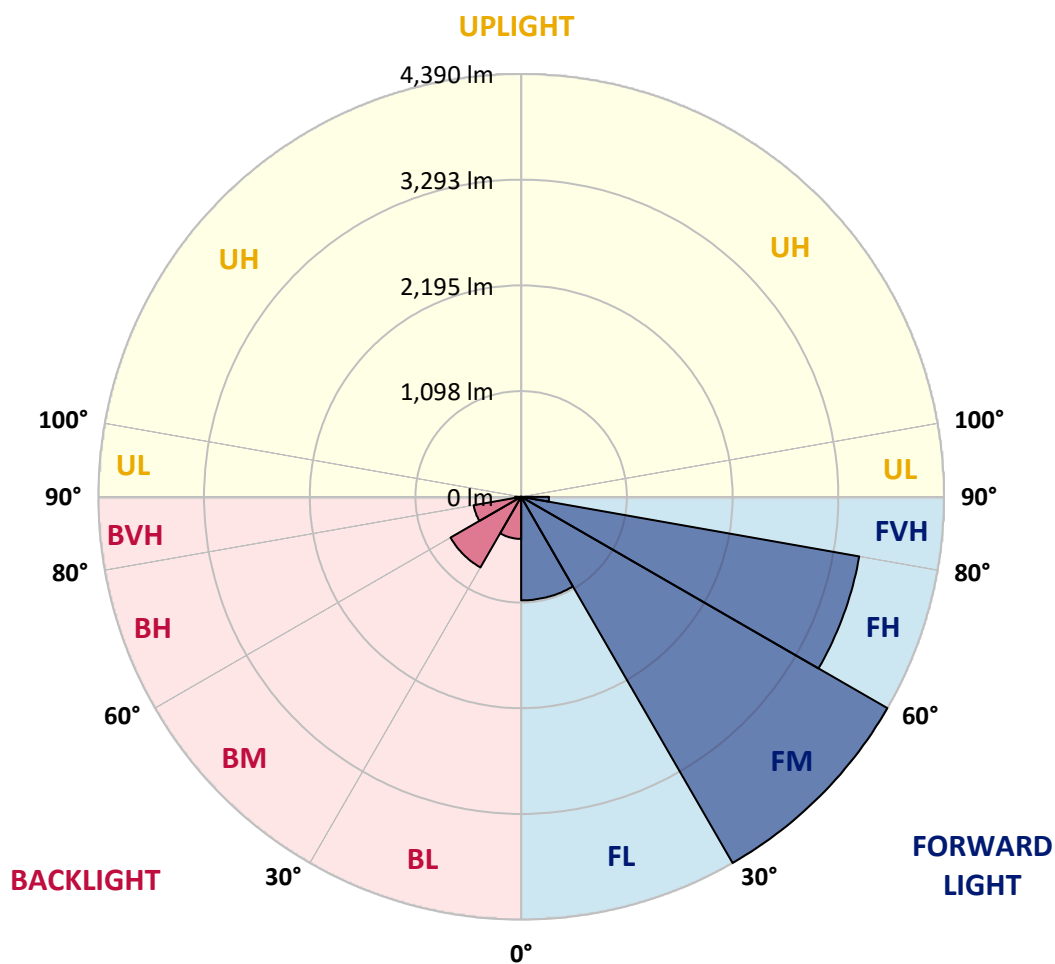
CATALOG NUMBER: GAP-AF-02-LED-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1075.4	9.6			
FM	(30°-60°)	4390.1	39.3			
FH	(60°-80°)	3564.3	31.9			G2/5000
FVH	(80°-90°)	289.7	2.6			G3/500
BL	(0°-30°)	437.2	3.9	B1/500		
BM	(30°-60°)	846.8	7.6	B1/1000		
BH	(60°-80°)	501.0	4.5	B2/1000		G2/1000
BVH	(80°-90°)	63.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3920.4	3840.6	3707.9	3569.8	3485.7	3387.5	3310.8	3243.2	3108.1	3081.7	3105.7
5°	3686.4	3526.2	3276.4	3024.7	2857.1	2677.2	2537.2	2424.9	2253.6	2223.5	2259.7
7.5°	3311.4	3119.8	2789.6	2468.5	2231.5	2006.8	1855.8	1735.4	1601.6	1543.9	1547.6
10°	2987.8	2771.8	2381.3	2032.0	1838.0	1686.3	1559.3	1435.9	1300.3	1211.2	1186.6
12.5°	2806.8	2558.1	2108.1	1796.3	1616.4	1456.8	1319.9	1187.9	1043.0	952.2	926.4
15°	2775.5	2505.3	2005.6	1645.2	1420.0	1217.9	1056.5	909.2	760.1	686.3	671.0
17.5°	2911.1	2599.8	1972.5	1510.8	1235.1	985.9	787.7	623.1	501.6	464.7	461.7
20°	3171.4	2781.6	1968.2	1384.4	1052.8	760.7	548.8	429.1	375.7	365.3	365.9
22.5°	3536.6	3063.3	2020.9	1289.2	885.3	567.2	412.6	359.2	338.3	328.5	328.5
25°	4009.4	3451.3	2142.5	1219.8	739.7	453.1	364.1	332.2	312.5	305.8	307.0
27.5°	4467.3	3828.9	2283.7	1165.1	644.6	411.3	345.0	316.2	299.0	292.3	295.3
30°	4824.6	4164.0	2401.6	1090.9	596.1	399.7	351.8	322.3	297.8	287.3	288.0
32.5°	5120.5	4457.5	2500.4	1037.5	553.1	342.6	303.3	290.4	287.3	275.1	268.9
35°	5498.7	4777.4	2566.7	1038.7	532.9	305.8	270.2	247.3	230.8	216.7	216.7
37.5°	5941.9	5144.4	2637.3	1052.8	525.5	284.3	258.5	235.7	220.3	206.8	204.4
40°	6380.2	5504.2	2701.7	1066.3	521.2	271.4	249.2	228.3	214.2	200.7	197.0
42.5°	6752.8	5800.1	2759.4	1073.1	506.5	270.2	242.4	223.4	209.9	195.2	191.5
45°	7028.5	6048.1	2821.5	1083.5	491.7	275.1	242.4	222.8	206.2	192.1	188.4
47.5°	7274.6	6339.1	2925.2	1083.5	473.9	265.9	250.4	223.4	205.6	190.9	187.8
50°	7604.3	6738.1	3121.6	1058.3	448.8	256.0	264.0	221.0	200.1	188.4	184.7
52.5°	8058.6	7249.4	3433.5	1014.8	410.1	236.9	262.2	219.7	194.6	182.3	178.0
55°	8595.8	7797.1	3773.7	963.8	352.4	223.4	253.0	216.7	188.4	174.9	170.6
57.5°	9015.1	8174.0	4013.0	885.3	302.1	216.0	224.0	213.6	181.1	166.9	163.3
60°	9182.0	8159.3	4078.7	780.3	277.5	209.9	195.8	239.4	174.9	160.8	156.5
62.5°	9091.8	7782.3	3894.6	706.6	272.0	201.9	183.5	221.6	170.0	156.5	150.4
65°	8674.9	7114.4	3406.5	686.9	288.0	194.0	175.5	173.7	163.3	150.4	144.2
67.5°	7767.0	6116.2	2727.5	688.8	308.2	186.0	167.6	159.0	154.1	143.6	138.1
70°	6326.2	4835.7	2033.2	693.7	318.6	176.8	159.0	149.8	144.2	133.8	130.1
72.5°	4651.5	3726.9	1477.0	661.7	320.5	166.3	147.3	139.3	133.8	122.8	119.7
75°	3182.4	2851.0	1024.6	548.2	279.4	151.6	134.4	127.1	123.4	109.9	108.0
77.5°	2324.9	2140.0	655.6	407.0	215.4	133.2	118.5	112.9	110.5	95.7	93.3
80°	1865.7	1693.1	410.1	278.8	157.7	111.7	99.4	96.4	93.9	79.2	77.3
82.5°	1294.1	1133.8	263.4	181.1	118.5	86.5	78.6	77.3	73.7	60.1	58.3
85°	682.6	615.7	166.9	123.4	85.9	59.5	54.6	54.6	52.8	39.9	38.7
87.5°	87.2	141.8	84.7	64.4	47.3	26.4	26.4	25.8	27.6	22.7	19.6
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: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3049.2	3078.7	3050.4	3052.3	3083.6	3176.9	3219.2	3254.2	3291.8	3316.3	3327.4
5°	2210.0	2278.8	2302.2	2351.3	2423.7	2542.7	2590.0	2624.4	2647.1	2660.6	2666.1
7.5°	1511.4	1553.1	1599.8	1679.0	1836.8	1906.8	1938.1	1930.1	1904.3	1895.1	1885.9
10°	1139.4	1122.8	1114.2	1157.8	1285.5	1356.1	1378.2	1356.7	1342.6	1345.7	1361.0
12.5°	882.8	854.0	819.0	814.1	898.2	961.4	975.5	976.7	1002.5	1025.2	1059.0
15°	643.3	640.3	623.1	612.6	660.5	712.1	718.2	729.3	752.6	769.3	798.7
17.5°	453.7	470.3	483.8	490.5	526.7	563.5	556.8	551.3	547.0	547.0	561.1
20°	365.9	377.0	394.1	413.8	450.6	476.4	459.8	437.7	421.8	416.9	418.7
22.5°	329.7	338.3	348.1	365.3	398.4	416.2	398.4	382.5	366.5	361.0	359.2
25°	311.3	322.3	331.5	344.4	369.0	381.3	364.1	352.4	342.6	335.8	330.9
27.5°	300.8	310.7	313.1	319.3	340.1	351.2	342.6	337.7	331.5	325.4	319.3
30°	289.8	288.0	283.7	284.3	300.8	311.9	311.3	312.5	311.9	310.1	308.8
32.5°	264.6	261.0	257.3	261.0	276.3	286.1	286.7	289.2	289.2	288.6	293.5
35°	220.3	227.1	231.4	242.4	261.0	269.5	265.9	259.7	248.6	241.8	241.2
37.5°	203.8	205.0	212.4	227.7	248.0	256.0	250.4	236.3	228.9	227.7	229.6
40°	195.8	197.0	201.3	215.4	235.7	243.7	238.8	228.3	221.6	221.0	224.0
42.5°	190.3	191.5	194.0	203.8	220.3	230.2	230.8	223.4	215.4	216.0	219.1
45°	187.2	187.8	187.2	192.1	207.5	219.1	224.0	219.1	212.4	213.6	217.3
47.5°	186.6	184.7	182.3	183.5	199.5	211.1	217.3	215.4	212.4	213.6	216.7
50°	184.1	179.8	176.8	176.2	192.1	204.4	209.9	209.9	211.1	213.6	216.7
52.5°	176.8	171.9	171.9	170.0	187.2	198.9	202.5	203.2	205.0	209.3	213.6
55°	167.6	165.7	167.6	164.5	183.5	194.6	196.4	197.6	198.9	202.5	208.7
57.5°	159.6	157.1	161.4	160.2	180.4	190.3	190.3	192.7	192.7	197.6	202.5
60°	155.3	150.4	152.2	153.4	176.2	186.6	185.4	187.8	189.0	193.3	197.0
62.5°	149.8	145.5	145.5	148.5	171.2	181.1	180.4	182.3	187.2	188.4	192.1
65°	143.0	141.2	139.3	143.0	166.3	174.9	175.5	178.0	182.3	183.5	186.6
67.5°	136.3	136.9	133.2	136.9	162.0	168.8	168.8	173.7	175.5	178.0	181.1
70°	128.9	129.5	126.4	130.7	159.0	162.0	161.4	168.2	169.4	171.2	174.3
72.5°	119.7	119.7	118.5	124.6	154.1	155.3	154.1	159.6	160.2	162.0	163.3
75°	109.9	109.9	108.6	117.2	151.0	147.9	144.2	148.5	149.8	151.0	151.0
77.5°	97.0	98.2	98.2	108.6	140.6	144.8	132.6	135.0	136.9	137.5	135.6
80°	81.0	84.1	85.3	98.8	117.8	133.8	118.5	120.3	120.9	120.9	118.5
82.5°	62.0	67.5	70.6	85.3	90.2	112.3	103.1	105.0	103.1	99.4	98.2
85°	43.0	50.3	54.0	65.1	68.1	86.5	85.9	85.9	82.2	77.3	76.7
87.5°	23.3	27.6	30.1	38.7	46.6	58.3	63.2	61.4	58.3	55.2	55.9
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: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3385.0	3468.5	3601.7	3703.6	3806.2	3905.0	4011.8	4093.4	4162.8	4189.8	4272.0
5°	2722.0	2826.4	2952.2	3179.3	3340.2	3517.6	3722.6	3994.0	4098.4	4242.6	4479.0
7.5°	1924.6	2019.1	2221.6	2405.3	2633.0	2884.1	3160.9	3535.4	3672.3	3903.8	4288.7
10°	1437.1	1547.0	1709.7	1864.4	2065.1	2321.8	2639.7	3058.4	3224.8	3475.9	3919.1
12.5°	1157.8	1287.4	1459.9	1605.3	1760.7	1941.8	2250.5	2709.7	2932.6	3152.3	3600.5
15°	889.6	1025.2	1185.4	1370.2	1541.5	1736.7	2060.2	2562.4	2819.0	3048.0	3430.5
17.5°	615.7	731.7	933.7	1126.5	1345.7	1595.5	2007.4	2593.7	2900.1	3164.0	3459.9
20°	436.5	502.8	668.5	892.0	1165.1	1478.9	1997.6	2758.2	3156.6	3458.1	3649.0
22.5°	367.1	391.7	488.0	693.0	1008.6	1391.7	2032.0	2989.1	3502.9	3887.8	3950.4
25°	334.6	349.3	399.7	543.9	869.3	1328.5	2148.0	3332.9	3931.4	4317.6	4306.5
27.5°	316.8	332.2	365.3	459.2	764.3	1289.2	2264.1	3740.4	4421.3	4784.1	4646.5
30°	311.3	332.2	367.1	432.8	689.4	1227.1	2359.2	4098.4	4798.3	5099.0	4801.3
32.5°	307.0	310.1	326.0	373.3	618.2	1154.7	2423.7	4419.5	5167.1	5398.6	5024.1
35°	248.0	263.4	289.2	334.6	576.4	1111.1	2423.7	4696.3	5530.6	5701.2	5236.5
37.5°	238.8	252.4	275.1	313.7	553.1	1089.6	2375.2	4963.4	5902.0	6044.4	5411.5
40°	233.8	244.9	266.5	297.8	543.3	1065.1	2304.6	5199.0	6264.8	6388.2	5574.8
42.5°	230.2	240.0	260.3	288.0	530.4	1038.1	2247.4	5388.2	6579.7	6681.6	5730.7
45°	228.3	238.8	261.0	292.9	504.6	1002.5	2228.4	5592.6	6838.8	6926.6	5899.6
47.5°	228.3	240.6	264.0	303.3	473.9	965.7	2288.0	5862.1	7083.7	7126.7	6098.4
50°	226.5	240.0	272.6	292.9	429.1	919.0	2428.0	6201.5	7349.0	7353.9	6350.2
52.5°	222.8	238.8	293.5	286.7	377.6	857.6	2617.0	6637.4	7741.2	7770.6	6744.2
55°	218.5	236.9	288.0	272.6	335.2	784.6	2771.8	7167.2	8292.4	8374.2	7323.8
57.5°	213.0	234.5	278.8	253.0	307.6	690.6	2827.6	7555.2	8677.4	8882.5	7977.0
60°	208.1	232.6	251.7	241.2	290.4	611.4	2719.5	7478.5	8651.0	9093.0	8555.9
62.5°	203.2	234.5	229.6	233.8	282.4	560.5	2437.2	6864.0	8213.3	8875.7	8985.0
65°	197.6	217.9	216.7	227.7	280.6	540.2	2020.3	5942.5	7367.4	8188.7	9086.3
67.5°	190.3	201.3	207.5	219.7	286.7	522.4	1630.5	4902.0	6191.7	7159.2	8558.3
70°	182.3	191.5	198.2	209.9	283.1	514.4	1356.1	3865.7	4913.0	5867.6	7516.5
72.5°	171.9	179.8	186.0	197.0	279.4	510.1	1145.5	3113.0	3668.0	4358.7	6111.3
75°	159.6	166.9	171.2	182.3	267.7	467.2	900.6	2634.2	2744.7	3032.0	4867.6
77.5°	145.5	151.0	154.7	166.9	236.9	388.6	651.3	2032.0	2131.4	2201.4	3731.8
80°	128.9	134.4	136.3	147.9	196.4	303.9	424.8	1501.0	1594.3	1610.2	2437.2
82.5°	109.9	115.4	115.4	126.4	160.8	218.5	278.8	1028.3	1046.7	1100.7	1722.5
85°	88.4	92.7	92.7	98.2	124.6	163.3	191.5	516.3	510.8	583.2	1492.4
87.5°	63.2	66.3	69.4	70.6	89.0	108.0	115.4	157.1	103.7	119.1	958.3
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: P200168

CATALOG NUMBER: GAP-AF-02-LED-U-SLR

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	4334.1	4369.1	4333.5	4307.7	4196.6	4105.1	3983.0	3920.4
5°	4658.8	4747.8	4717.7	4609.7	4377.7	4116.8	3820.3	3686.4
7.5°	4619.5	4826.5	4831.4	4629.4	4287.5	3903.2	3501.7	3311.4
10°	4313.9	4578.4	4653.9	4458.1	4095.3	3665.5	3205.1	2987.8
12.5°	3972.5	4231.5	4289.3	4221.7	3918.5	3486.9	3019.8	2806.8
15°	3693.2	3809.3	3878.0	3936.9	3766.8	3415.7	3009.3	2775.5
17.5°	3523.1	3510.3	3529.9	3632.4	3661.2	3497.4	3168.9	2911.1
20°	3461.8	3264.6	3259.7	3401.0	3611.5	3691.9	3480.8	3171.4
22.5°	3495.5	3176.3	3135.8	3303.4	3637.9	3972.5	3889.7	3536.6
25°	3612.1	3183.6	3151.1	3313.2	3733.7	4271.4	4331.1	4009.4
27.5°	3795.8	3230.3	3187.3	3353.7	3860.8	4522.6	4765.6	4467.3
30°	3970.1	3311.4	3257.9	3433.5	3976.8	4622.0	5032.1	4824.6
32.5°	4181.8	3463.0	3369.1	3580.2	4120.4	4780.5	5269.6	5120.5
35°	4389.4	3679.0	3562.4	3806.8	4280.7	4977.5	5541.0	5498.7
37.5°	4617.1	3961.5	3865.1	4099.6	4499.9	5163.4	5887.3	5941.9
40°	4860.2	4336.0	4221.7	4526.9	4840.0	5396.8	6248.8	6380.2
42.5°	5105.1	4751.5	4615.2	4924.7	5213.8	5626.9	6558.2	6752.8
45°	5385.7	5202.7	5138.3	5472.9	5572.9	5846.2	6786.7	7028.5
47.5°	5712.3	5714.7	5818.5	5952.3	5935.2	6094.1	7016.2	7274.6
50°	6093.5	6353.9	6582.8	6671.8	6308.4	6360.6	7334.9	7604.3
52.5°	6551.5	7118.1	7401.8	7343.5	6710.5	6685.9	7839.5	8058.6
55°	7124.2	7927.3	8209.0	8167.2	7172.7	7129.1	8468.1	8595.8
57.5°	7787.2	8711.1	8970.3	8782.3	7727.7	7615.4	8988.1	9015.1
60°	8369.9	9332.5	9559.6	9351.5	8287.5	8132.9	9312.8	9182.0
62.5°	8694.0	9543.0	9702.6	9478.6	8671.2	8684.1	9384.0	9091.8
65°	8549.1	9010.8	9062.3	9043.9	8572.4	9004.0	9128.0	8674.9
67.5°	7755.9	7665.1	7751.6	7871.4	7725.2	8582.9	8419.0	7767.0
70°	6358.8	5859.7	6032.1	6112.5	6178.8	7385.8	7307.2	6326.2
72.5°	4792.1	4105.1	4241.4	4224.8	4531.8	5924.1	5682.8	4651.5
75°	3395.5	2783.4	2800.6	2793.9	3162.1	4634.9	4114.9	3182.4
77.5°	2375.8	2016.6	2025.9	2063.9	2125.9	3495.5	2940.0	2324.9
80°	1633.6	1530.4	1581.4	1584.4	1473.4	2348.2	2171.9	1865.7
82.5°	1216.7	1063.9	1051.6	1069.4	1154.7	1902.5	1669.1	1294.1
85°	996.4	629.8	506.5	634.7	1023.4	1884.1	1108.7	682.6
87.5°	561.1	299.0	135.0	250.4	408.3	1247.4	320.5	87.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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