

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: P200135

Luminaire Tested: **GAP-AF-01-LED-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL3
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6503.9 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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



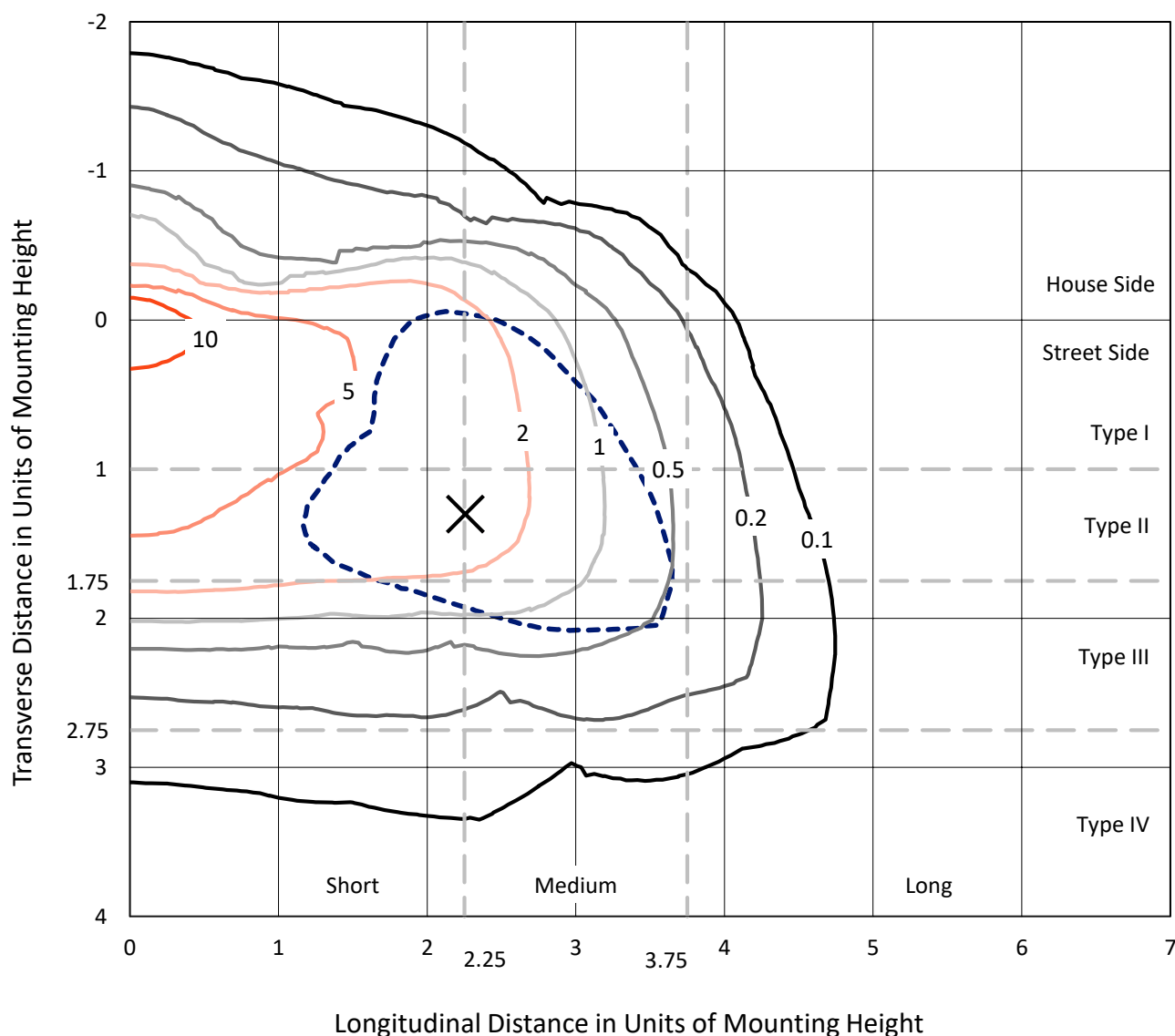
REPORT NUMBER: P200135

CATALOG NUMBER: GAP-AF-01-LED-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

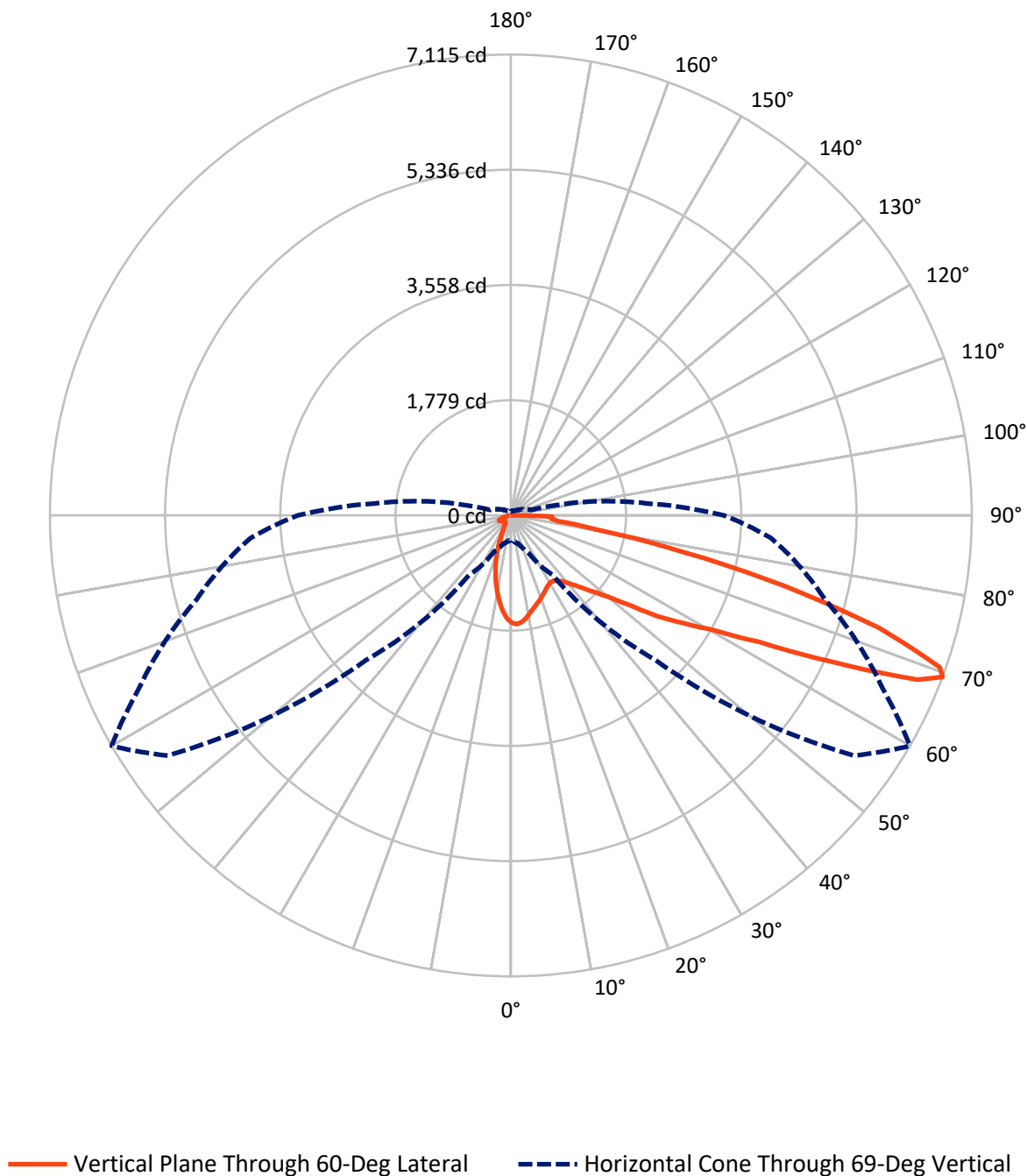


Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P200135

CATALOG NUMBER: GAP-AF-01-LED-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P200135

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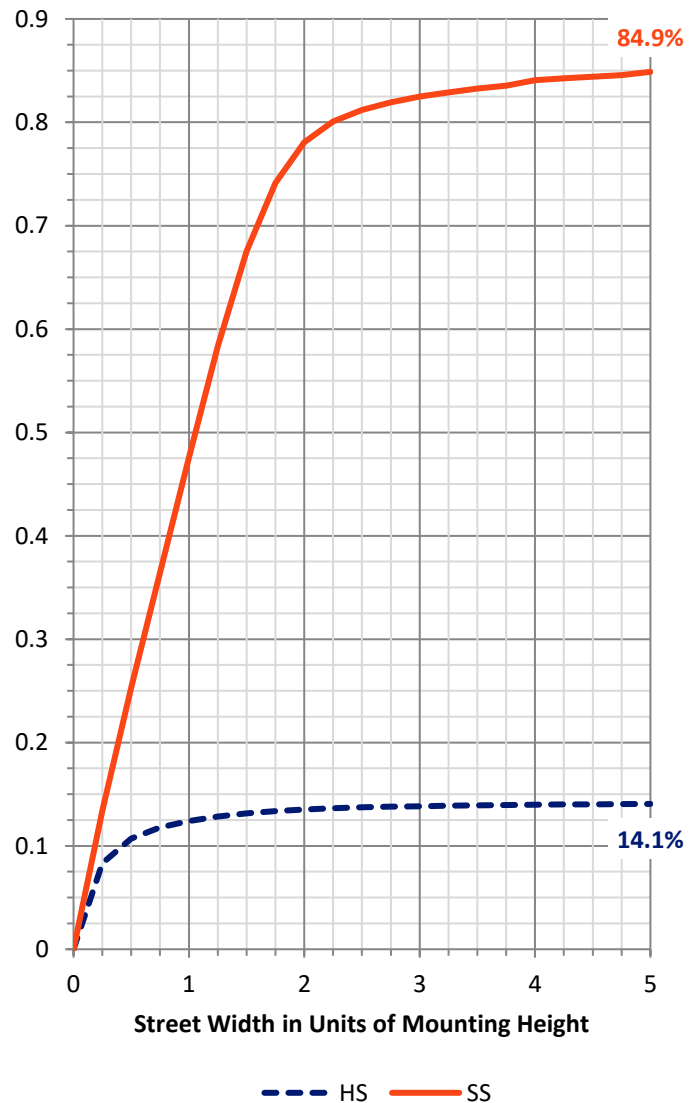
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.3	0.0	925.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	5578.6	0.0	5578.6
	% Fixture	85.8	0.0	85.8
Total	Lumens	6503.9	0.0	6503.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.2
10°-20°	298.6	4.6
20°-30°	380.4	5.8
30°-40°	523.0	8.0
40°-50°	848.6	13.0
50°-60°	1360.9	20.9
60°-70°	1811.3	27.8
70°-80°	977.9	15.0
80°-90°	163.2	2.5
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°	6503.9	100.0
0°-180°	6503.9	100.0

Coefficient of Utilization



REPORT NUMBER: P200135

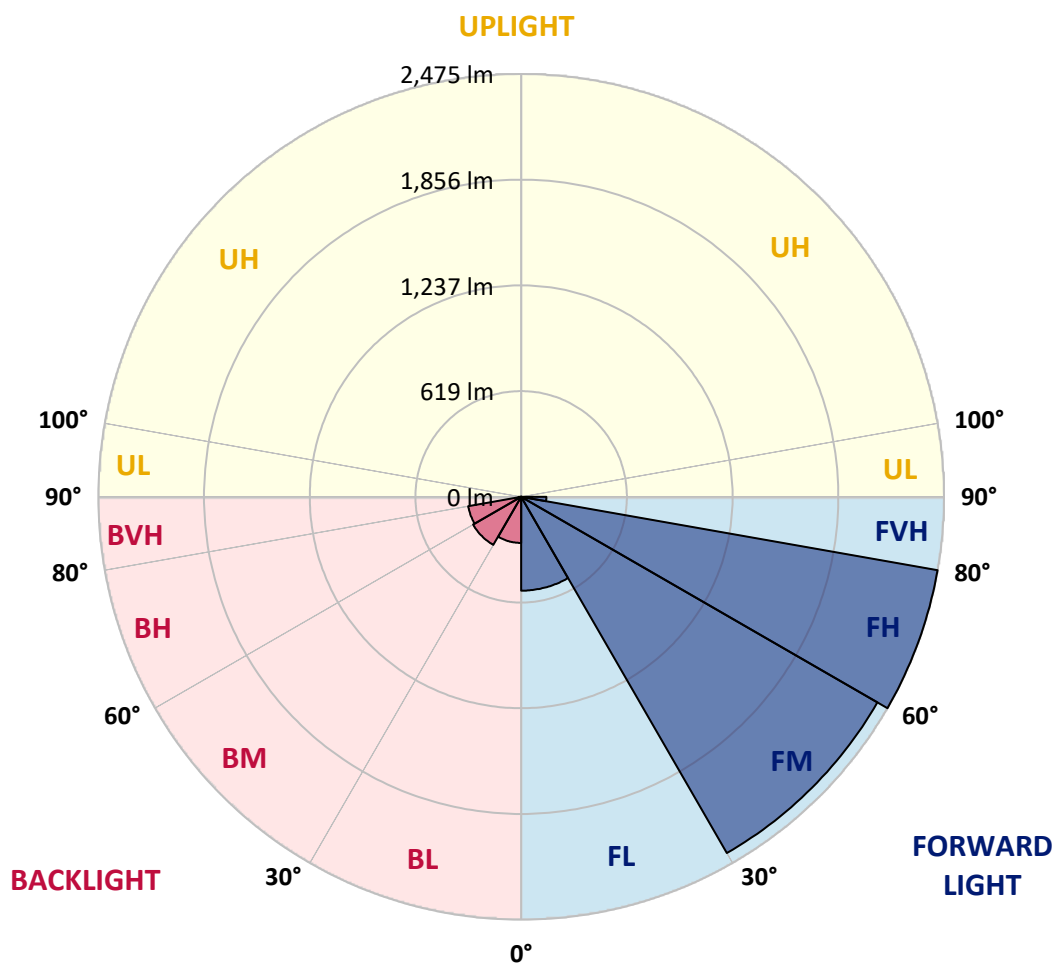
CATALOG NUMBER: GAP-AF-01-LED-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	549.2	8.4			
FM	(30°-60°)	2407.4	37.0			
FH	(60°-80°)	2474.6	38.0			G2/5000
FVH	(80°-90°)	147.5	2.3			G2/225
BL	(0°-30°)	269.9	4.2	B1/500		
BM	(30°-60°)	325.1	5.0	B1/1000		
BH	(60°-80°)	314.6	4.8	B1/500		G1/500
BVH	(80°-90°)	15.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P200135

CATALOG NUMBER: GAP-AF-01-LED-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3
2.5°	1691.2	1695.0	1693.4	1692.5	1695.3	1690.9	1681.8	1679.0	1674.6	1664.2	1646.6
5°	1627.7	1639.1	1638.5	1647.0	1661.1	1664.9	1660.8	1661.4	1653.2	1640.3	1611.1
7.5°	1518.2	1522.9	1525.3	1543.8	1569.6	1590.4	1608.0	1613.6	1609.8	1598.9	1561.1
10°	1405.0	1408.8	1414.7	1436.4	1469.1	1497.7	1530.9	1550.2	1558.4	1556.4	1514.4
12.5°	1307.9	1311.7	1319.5	1344.1	1383.0	1418.2	1466.6	1490.4	1510.0	1521.5	1476.3
15°	1220.9	1229.1	1236.6	1264.9	1308.6	1354.7	1409.4	1439.6	1469.8	1495.8	1442.7
17.5°	1153.1	1161.3	1165.7	1191.3	1237.9	1294.4	1358.5	1394.0	1431.7	1474.5	1409.4
20°	1113.8	1117.6	1115.6	1130.1	1171.9	1231.9	1307.9	1349.1	1394.7	1454.3	1376.1
22.5°	1102.7	1103.0	1096.2	1094.6	1121.7	1172.2	1253.9	1303.9	1359.8	1441.1	1347.5
25°	1129.4	1128.5	1109.7	1094.3	1097.1	1126.7	1201.8	1259.9	1330.6	1438.3	1325.5
27.5°	1188.9	1191.6	1163.7	1134.9	1106.2	1105.3	1162.2	1223.4	1306.7	1451.2	1316.1
30°	1272.1	1276.8	1247.0	1210.3	1156.4	1112.2	1146.7	1201.8	1291.9	1477.9	1314.5
32.5°	1363.2	1368.3	1345.6	1307.0	1236.6	1154.9	1157.5	1203.6	1291.3	1515.3	1325.2
35°	1460.3	1466.0	1454.3	1421.7	1343.4	1233.8	1198.3	1234.1	1311.7	1572.5	1353.8
37.5°	1568.7	1577.5	1580.7	1549.6	1466.0	1337.8	1265.2	1291.9	1357.9	1652.0	1406.3
40°	1724.8	1737.1	1736.2	1691.6	1606.4	1478.3	1368.6	1375.5	1429.9	1758.1	1490.1
42.5°	2023.9	2026.5	1948.2	1851.1	1761.0	1625.9	1490.4	1484.8	1529.1	1892.7	1613.6
45°	2404.4	2394.0	2220.0	2032.4	1922.4	1795.6	1649.1	1621.5	1655.1	2056.6	1768.2
47.5°	2720.1	2696.3	2476.4	2217.5	2093.4	1979.9	1835.5	1787.1	1805.6	2242.6	1968.1
50°	2829.8	2811.9	2629.7	2371.4	2255.2	2204.9	2064.8	1996.3	2001.3	2464.4	2202.1
52.5°	2806.3	2803.7	2682.2	2472.9	2406.6	2441.2	2389.6	2296.9	2247.9	2710.7	2454.7
55°	2750.6	2756.0	2712.0	2591.0	2579.8	2669.3	2814.1	2745.6	2593.3	2959.3	2715.7
57.5°	2557.4	2571.3	2668.1	2739.7	2858.4	2991.6	3155.9	3136.5	2964.9	3227.9	3026.2
60°	2060.4	2092.4	2352.0	2710.7	3145.3	3561.8	3635.4	3590.1	3348.2	3561.2	3436.2
62.5°	1443.7	1476.9	1785.5	2347.0	3098.1	4206.0	4492.5	4297.3	3898.7	4052.3	3966.8
65°	772.8	788.9	1024.6	1628.4	2615.6	4338.8	5745.1	5448.2	4770.2	4657.7	4420.8
67.5°	426.4	435.2	525.3	822.2	1675.2	3820.7	6543.1	6767.4	5859.5	5060.8	4338.2
69°	385.4	393.6	452.8	622.7	1120.9	3159.1	6465.2	7115.2	6337.0	5020.9	4032.8
70°	377.1	384.5	437.6	574.0	907.4	2603.9	6204.1	7026.3	6450.7	4877.9	3766.4
72.5°	339.3	347.5	399.1	515.6	775.4	1298.2	4914.4	5940.8	5856.6	4229.5	2856.8
75°	316.4	324.0	411.2	504.9	742.5	821.5	3239.8	4378.4	4305.2	2958.7	1540.5
77.5°	135.4	134.8	190.7	427.3	753.4	795.5	1740.9	2735.3	2495.5	1264.6	442.3
80°	90.5	88.9	90.5	125.7	690.9	799.9	912.1	1388.3	1048.7	322.3	218.0
82.5°	77.9	76.6	79.5	76.6	242.8	913.0	775.4	738.4	498.6	183.2	108.1
85°	52.5	50.2	68.5	68.8	114.7	811.2	873.4	623.7	403.5	108.7	53.4
87.5°	25.2	24.6	39.9	48.7	67.2	329.6	979.9	639.0	406.8	55.6	25.5
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: P200135

CATALOG NUMBER: GAP-AF-01-LED-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3	1657.3
2.5°	1641.3	1628.4	1615.9	1600.7	1585.1	1567.5	1558.7	1549.9	1547.6	1545.2	1536.4
5°	1596.0	1577.8	1546.4	1511.8	1475.4	1439.9	1412.9	1395.9	1383.0	1376.4	1364.8
7.5°	1537.6	1510.9	1455.9	1396.2	1335.0	1279.0	1230.6	1200.1	1171.3	1157.8	1142.3
10°	1481.9	1442.1	1356.6	1268.7	1180.7	1096.2	1016.7	960.4	910.5	882.5	862.8
12.5°	1434.3	1379.6	1261.1	1142.0	1021.4	901.1	781.9	688.3	610.1	569.0	547.9
15°	1387.7	1321.8	1170.4	1019.2	864.3	700.6	544.2	437.9	373.3	347.5	338.7
17.5°	1345.6	1261.1	1079.2	895.4	702.2	504.2	365.7	307.3	282.4	273.9	271.2
20°	1300.1	1199.8	984.6	766.0	533.2	352.5	285.6	259.8	249.8	247.2	246.0
22.5°	1256.1	1139.6	894.2	627.4	383.0	272.1	245.4	234.7	233.1	235.3	235.3
25°	1218.7	1085.5	796.5	482.6	281.2	229.0	219.6	217.1	223.1	231.2	232.8
27.5°	1190.7	1041.2	692.4	356.3	224.0	199.2	198.9	203.0	217.7	233.4	236.6
30°	1171.6	999.1	581.2	257.0	187.9	175.3	180.3	189.1	210.8	233.1	239.1
32.5°	1161.9	968.0	465.3	198.9	160.9	154.0	162.4	173.1	194.5	215.2	223.1
35°	1169.3	945.0	356.0	165.9	142.0	136.7	145.5	155.8	168.4	177.2	183.2
37.5°	1197.7	935.9	268.6	148.6	129.1	124.1	131.0	137.0	142.0	144.5	147.3
40°	1258.6	945.7	215.2	139.8	121.9	115.6	118.5	120.6	123.8	126.3	127.6
42.5°	1348.5	974.9	192.9	136.4	118.2	109.0	108.4	109.4	113.4	118.2	119.1
45°	1474.2	1026.4	191.3	138.5	116.2	103.7	100.9	102.1	108.4	115.6	116.9
47.5°	1634.7	1105.0	203.9	145.2	117.8	100.9	96.2	97.7	105.6	115.3	116.9
50°	1829.1	1214.7	224.9	154.9	124.7	101.5	94.5	95.5	103.7	114.4	115.9
52.5°	2058.8	1370.1	247.9	164.3	132.0	105.6	95.9	93.6	101.2	110.6	112.5
55°	2314.2	1569.6	271.5	172.8	135.7	110.6	98.3	91.1	96.5	104.3	105.9
57.5°	2627.8	1848.7	312.3	181.0	138.2	114.1	100.9	88.6	90.5	96.2	97.4
60°	3052.3	2243.2	384.2	194.5	143.9	115.3	100.6	86.4	84.5	87.7	88.3
62.5°	3560.9	2671.7	444.3	211.4	153.3	116.2	98.6	84.8	79.5	79.5	80.1
65°	3862.9	2786.4	410.9	225.6	161.2	115.3	96.5	83.3	75.7	72.2	72.5
67.5°	3606.8	2450.6	352.2	228.4	160.9	110.9	93.0	80.4	71.9	66.6	66.3
69°	3286.0	2114.4	325.8	220.9	153.3	105.3	88.6	77.3	69.2	63.4	63.1
70°	3027.4	1909.2	308.5	212.7	145.2	101.2	85.1	74.5	66.9	61.6	61.0
72.5°	2201.2	1251.1	263.6	182.9	119.7	84.8	73.6	65.4	59.7	56.6	56.0
75°	1100.0	596.6	214.0	148.3	91.8	67.8	60.4	54.6	51.9	51.2	50.9
77.5°	361.3	273.3	153.0	110.6	68.1	53.1	48.7	44.6	44.0	45.8	45.2
80°	198.6	159.0	97.1	73.2	46.5	39.0	38.4	36.1	37.0	40.2	39.6
82.5°	101.2	82.7	60.0	44.0	31.4	27.9	30.5	29.3	30.5	33.3	32.9
85°	49.9	45.2	38.1	26.7	20.8	17.9	21.7	22.6	23.2	25.5	25.5
87.5°	28.9	26.7	20.2	12.6	10.3	9.4	12.6	12.3	14.4	15.8	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)