

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: P200144

Luminaire Tested: **GAP-AF-02-LED-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
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-SL4-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10313.3 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

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

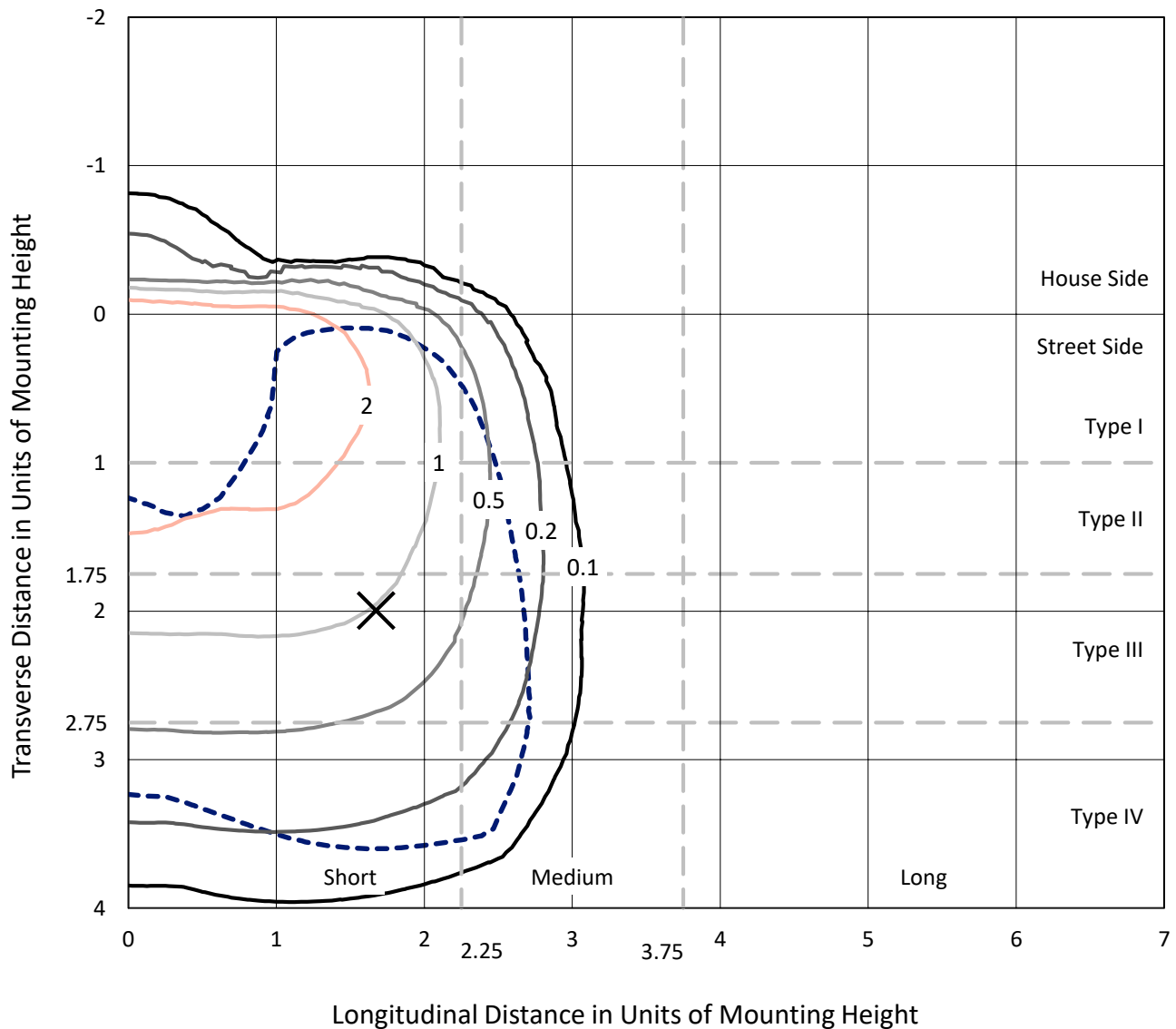


REPORT NUMBER: P200144

CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

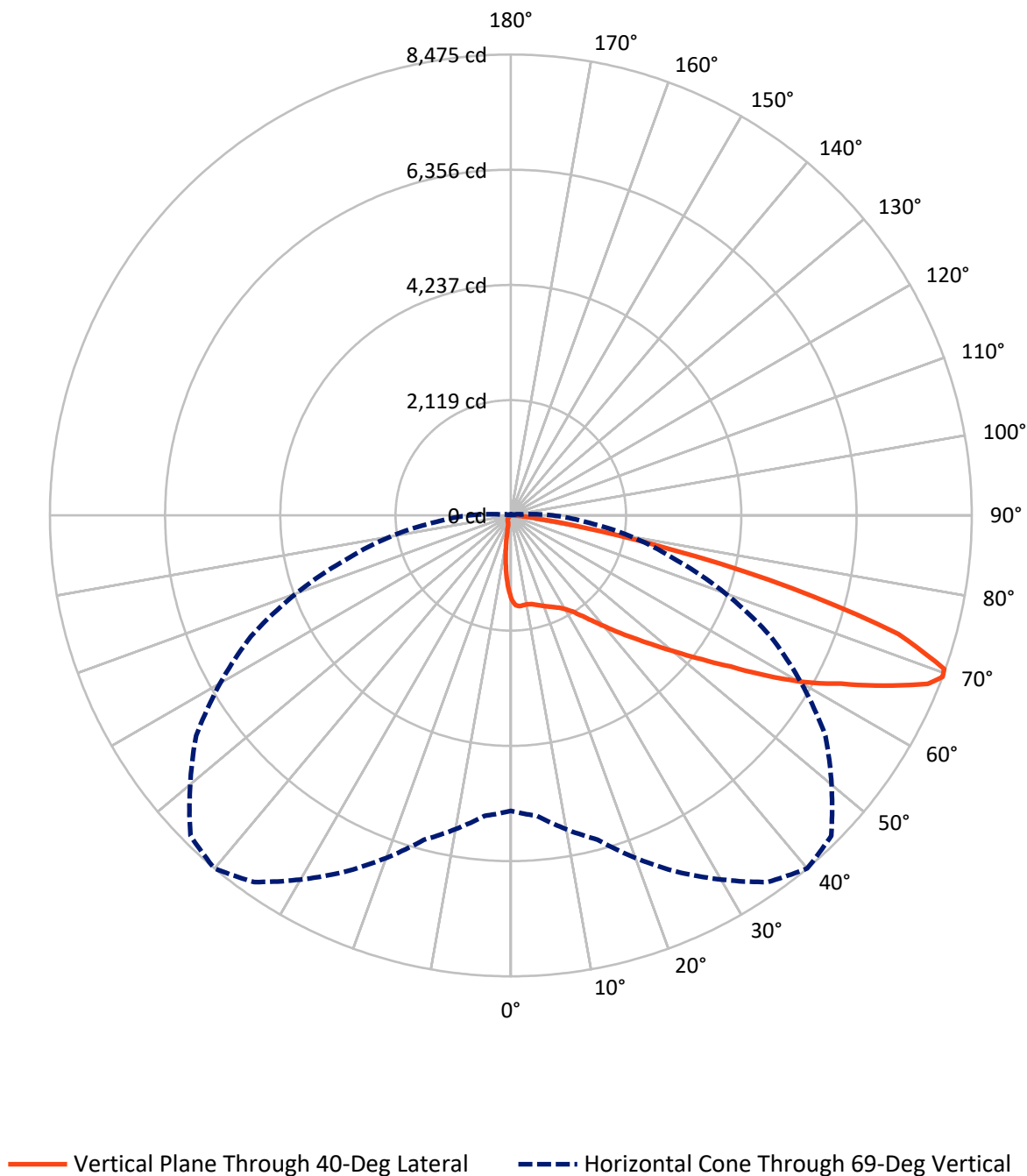


Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200144

CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P200144

CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

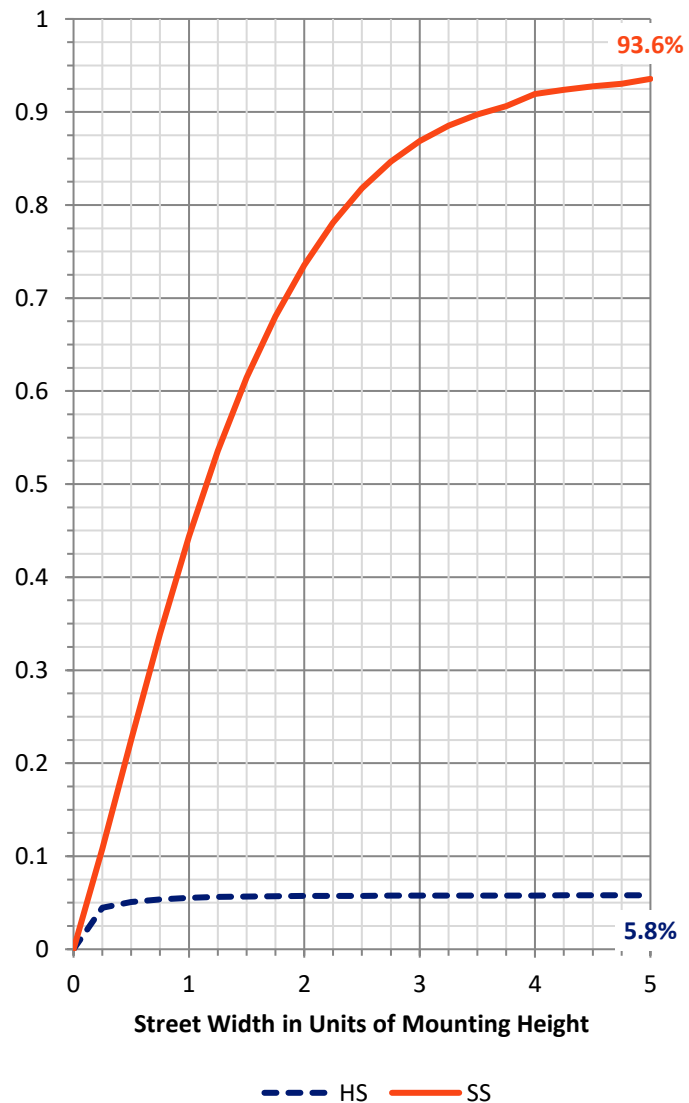
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.4	0.0	603.4
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	9710.0	0.0	9710.0
	% Fixture	94.1	0.0	94.1
Total	Lumens	10313.3	0.0	10313.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	1.2
10°-20°	307.2	3.0
20°-30°	517.5	5.0
30°-40°	847.1	8.2
40°-50°	1466.8	14.2
50°-60°	2310.4	22.4
60°-70°	3017.3	29.3
70°-80°	1554.0	15.1
80°-90°	168.1	1.6
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°	10313.3	100.0
0°-180°	10313.3	100.0

Coefficient of Utilization



REPORT NUMBER: P200144

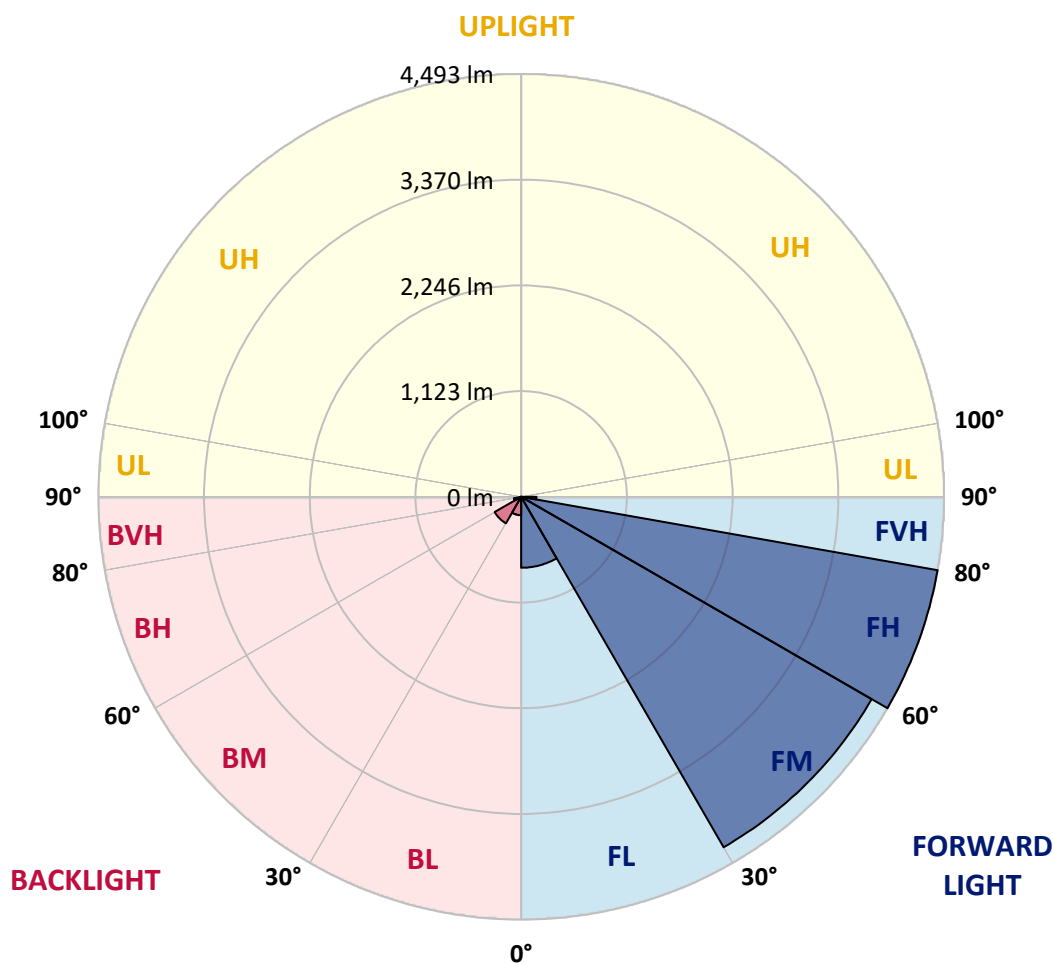
CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	754.2	7.3			
FM	(30°-60°)	4300.0	41.7			
FH	(60°-80°)	4492.9	43.6			G2/5000
FVH	(80°-90°)	162.8	1.6			G2/225
BL	(0°-30°)	195.5	1.9	B1/500		
BM	(30°-60°)	324.3	3.1	B1/1000		
BH	(60°-80°)	78.3	0.8	B0/110		G0/110
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P200144

CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9
2.5°	1691.9	1682.7	1677.1	1669.8	1660.6	1652.6	1649.5	1626.8	1605.3	1575.9	1542.1
5°	1723.2	1720.1	1710.3	1700.5	1689.4	1677.1	1670.4	1643.4	1612.7	1569.7	1510.8
7.5°	1726.2	1722.5	1710.3	1696.8	1681.4	1666.7	1655.0	1628.0	1599.8	1556.2	1484.4
10°	1721.3	1717.0	1707.8	1693.1	1674.1	1659.9	1648.3	1622.5	1598.6	1559.3	1479.5
12.5°	1715.8	1711.5	1707.2	1699.8	1683.3	1673.4	1663.6	1639.1	1617.6	1584.4	1497.3
15°	1721.3	1718.9	1723.8	1720.7	1711.5	1702.9	1693.1	1671.0	1651.3	1623.7	1529.8
17.5°	1744.6	1744.6	1760.0	1761.8	1753.2	1741.0	1726.8	1704.7	1688.2	1664.9	1568.5
20°	1799.4	1797.5	1817.2	1820.9	1800.0	1780.9	1760.0	1733.0	1720.1	1705.4	1606.5
22.5°	1893.3	1884.7	1896.3	1892.7	1851.5	1822.1	1796.3	1763.1	1756.3	1749.6	1648.9
25°	2015.4	2010.5	2018.5	1982.3	1909.8	1870.0	1839.3	1801.8	1801.8	1808.6	1696.8
27.5°	2192.8	2174.4	2147.4	2083.5	1974.9	1924.0	1890.8	1850.9	1861.4	1886.5	1760.0
30°	2374.6	2354.3	2292.3	2194.0	2054.1	2000.7	1962.0	1920.3	1944.8	1990.9	1844.8
32.5°	2553.8	2531.1	2443.3	2319.3	2167.6	2114.2	2076.8	2030.8	2071.9	2149.2	1968.8
35°	2727.5	2707.2	2606.0	2459.9	2318.7	2274.4	2240.1	2200.2	2252.9	2361.1	2143.7
37.5°	2922.8	2900.7	2777.2	2618.9	2502.2	2470.3	2445.2	2405.3	2497.3	2655.7	2387.5
40°	3162.8	3125.3	2959.0	2801.2	2714.6	2699.3	2682.1	2676.6	2819.7	3038.8	2712.1
42.5°	3437.8	3376.5	3149.3	2993.4	2947.9	2959.0	2954.7	2979.2	3222.9	3515.2	3107.5
45°	3712.8	3633.6	3361.1	3198.4	3204.5	3243.2	3267.1	3365.4	3728.1	4061.5	3533.0
47.5°	3946.1	3868.2	3564.3	3420.0	3493.7	3569.8	3634.9	3820.9	4247.5	4599.3	3863.9
50°	4145.6	4072.0	3779.7	3663.7	3829.5	3952.3	4057.8	4333.5	4806.1	5008.8	4095.9
52.5°	4308.9	4259.8	4003.2	3943.1	4213.1	4393.1	4547.7	4878.0	5300.9	5341.4	4276.3
55°	4467.9	4433.0	4243.2	4275.1	4663.7	4908.7	5104.5	5455.7	5727.0	5619.0	4449.5
57.5°	4650.8	4618.9	4517.0	4696.3	5256.1	5564.3	5777.9	5967.7	6102.1	5902.6	4612.8
60°	4837.5	4819.0	4821.5	5164.1	5936.4	6232.2	6350.1	6399.3	6470.5	6169.6	4622.0
62.5°	5015.5	5050.5	5169.6	5684.6	6587.7	6814.8	6874.4	6922.9	6839.3	6212.0	4270.2
65°	5316.9	5374.1	5658.2	6381.5	7304.1	7547.2	7608.6	7442.3	6897.8	5664.4	3473.4
67.5°	5464.3	5568.6	6075.7	7030.9	7999.1	8269.1	8246.4	7476.0	6189.9	4319.3	2229.0
69°	5433.6	5544.7	6172.1	7229.8	8229.8	8474.8	8330.5	7062.9	5273.3	3129.0	1368.4
70°	5312.0	5424.4	6122.4	7222.4	8259.3	8453.4	8174.6	6552.7	4458.7	2287.9	855.8
72.5°	4436.0	4533.0	5435.4	6528.2	7608.6	7450.9	6838.7	4539.8	2172.5	623.1	192.7
75°	2730.6	2784.6	3900.1	4917.9	5746.6	5341.4	4556.3	2258.5	647.6	176.2	106.8
77.5°	1442.7	1467.2	2135.1	2898.8	3642.8	3014.2	2335.3	881.0	298.4	110.5	77.3
80°	852.7	871.1	1149.8	1325.4	1576.5	1316.8	933.7	540.8	213.6	69.4	68.7
82.5°	488.0	499.7	833.7	736.6	621.2	530.4	464.7	512.6	128.3	46.6	71.2
85°	179.2	181.7	469.0	560.5	369.6	219.7	230.8	424.8	34.4	29.5	55.9
87.5°	83.5	81.6	241.2	343.2	216.0	139.3	179.8	93.3	13.5	19.0	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



REPORT NUMBER: P200144

CATALOG NUMBER: GAP-AF-02-LED-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9	1540.9
2.5°	1522.5	1499.7	1458.6	1416.3	1373.3	1340.2	1307.6	1281.9	1273.3	1257.2	1258.4
5°	1475.8	1434.1	1348.1	1260.9	1170.1	1095.2	1024.6	967.5	939.9	911.7	911.7
7.5°	1435.3	1374.5	1240.0	1098.2	951.5	828.2	717.0	633.5	587.5	550.7	550.0
10°	1420.0	1337.7	1149.8	946.6	742.2	574.0	442.0	357.3	313.7	285.5	284.3
12.5°	1426.7	1324.8	1080.4	806.7	550.0	369.0	256.0	201.3	182.9	174.3	174.3
15°	1446.4	1321.1	1011.1	669.7	388.6	230.8	170.0	155.3	154.1	154.1	154.1
17.5°	1470.3	1322.4	939.9	536.5	264.6	165.1	146.7	144.8	146.1	146.1	146.1
20°	1494.8	1323.0	863.2	413.2	186.6	143.6	138.1	137.5	138.7	138.7	139.3
22.5°	1524.9	1326.1	786.4	308.8	154.1	135.6	131.3	131.3	132.0	132.0	131.3
25°	1559.3	1332.2	706.6	228.9	140.6	130.1	126.4	125.8	126.4	125.8	125.2
27.5°	1602.2	1340.8	617.6	179.2	134.4	124.6	121.5	121.5	120.9	120.3	119.7
30°	1656.3	1350.6	517.5	152.2	128.3	119.7	116.6	116.0	115.4	114.2	114.2
32.5°	1738.5	1372.1	418.7	138.1	121.5	112.9	110.5	110.5	109.3	108.0	107.4
35°	1865.0	1414.4	330.3	129.5	114.2	105.6	102.5	102.5	101.3	100.7	100.0
37.5°	2040.0	1478.9	256.7	121.5	106.8	97.6	94.5	93.9	92.7	91.5	90.8
40°	2272.6	1558.7	201.9	114.2	99.4	89.6	87.2	85.9	83.5	81.6	81.6
42.5°	2564.8	1649.5	163.9	106.2	90.8	82.2	80.4	78.6	74.3	72.4	71.8
45°	2870.6	1731.1	138.7	97.0	82.2	74.9	73.7	70.6	65.1	63.2	63.2
47.5°	3090.9	1750.2	122.1	88.4	74.3	66.9	66.3	60.8	55.9	54.6	54.0
50°	3228.4	1712.7	108.6	79.8	66.9	59.5	57.7	50.9	47.9	46.6	46.0
52.5°	3321.2	1645.8	97.6	72.4	60.1	52.8	48.5	43.6	41.1	39.9	39.9
55°	3395.5	1551.3	86.5	65.7	54.6	47.3	41.1	37.4	35.0	33.8	33.8
57.5°	3416.3	1423.0	75.5	60.1	49.1	41.7	35.0	32.5	29.5	28.8	28.8
60°	3264.6	1191.5	66.9	53.4	44.2	36.2	30.7	27.6	24.6	23.9	23.3
62.5°	2865.1	922.1	58.9	47.3	38.7	31.3	26.4	22.7	20.3	20.3	20.3
65°	2185.4	618.2	51.6	41.1	33.8	26.4	22.7	18.4	17.2	17.2	17.8
67.5°	1308.3	336.4	44.2	35.0	28.8	22.1	19.0	16.0	15.3	16.0	16.0
69°	766.8	197.6	39.9	31.3	25.2	19.6	16.6	14.1	15.3	16.0	16.0
70°	473.3	133.2	36.8	28.2	22.7	17.8	15.3	13.5	14.7	15.3	15.3
72.5°	132.0	68.7	29.5	22.1	18.4	14.7	12.3	12.3	14.1	14.7	14.7
75°	85.9	50.9	22.7	16.6	14.1	11.7	10.4	11.7	13.5	14.1	14.1
77.5°	71.2	41.7	18.4	13.5	11.7	11.0	9.8	10.4	12.3	12.9	12.9
80°	65.1	29.5	14.7	12.3	10.4	9.8	9.2	8.6	11.0	11.7	11.7
82.5°	62.0	23.3	12.9	11.0	9.8	8.6	8.0	8.6	9.8	10.4	11.0
85°	38.7	15.3	11.7	10.4	8.6	8.0	8.0	8.0	9.2	9.8	9.8
87.5°	14.1	12.3	10.4	8.6	7.4	7.4	7.4	7.4	8.0	9.2	9.2
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)