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

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

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: P945657

Luminaire Tested: **GLAN-SB1C-750-U-SL3**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P945657
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB1C-750-U-SL3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

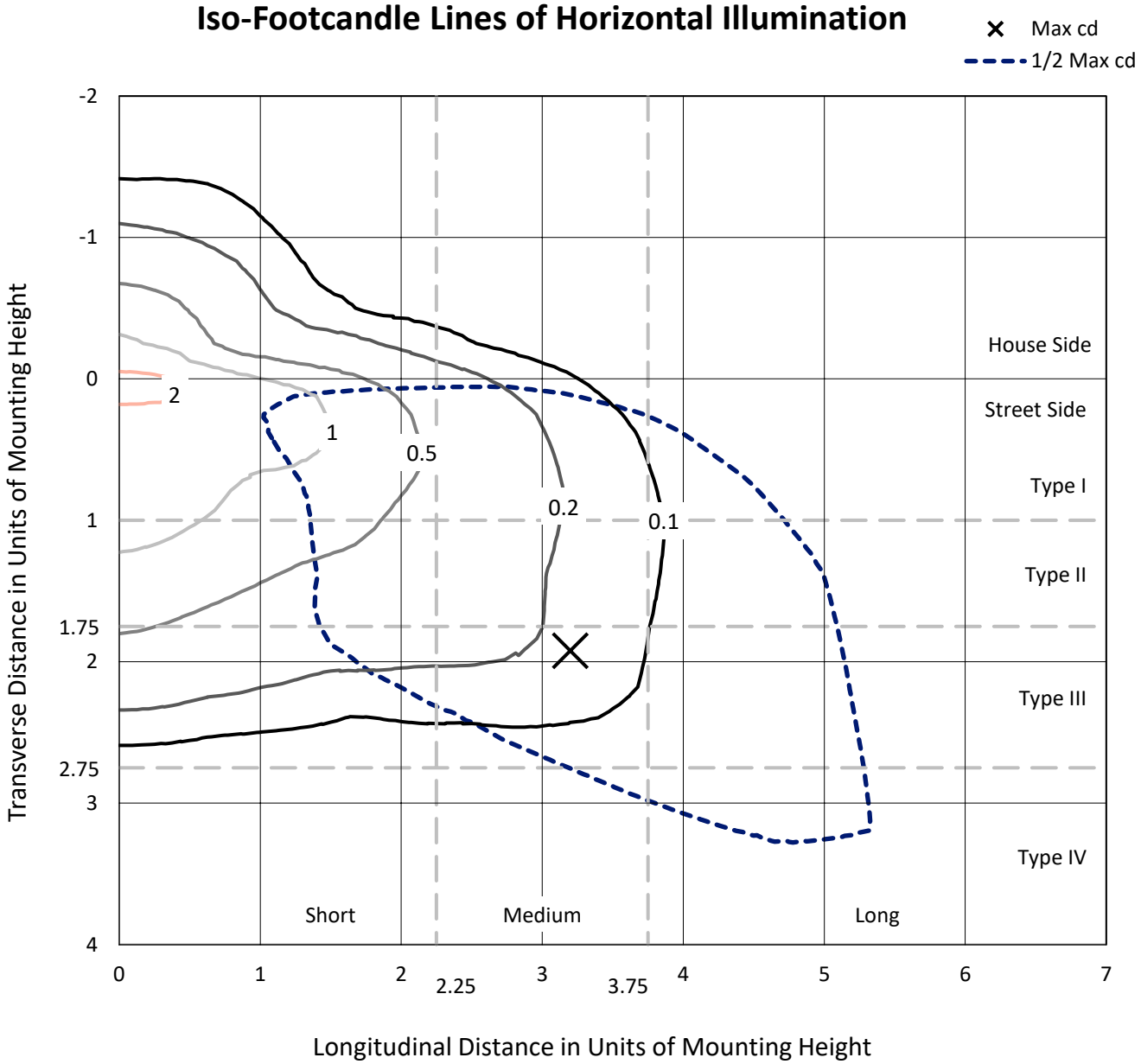
Lumens per Lamp:	N/A
Luminaire Lumens:	7746 lumens
Efficiency:	N/A
Efficacy:	142.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	54.4
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:	24 FT

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

REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

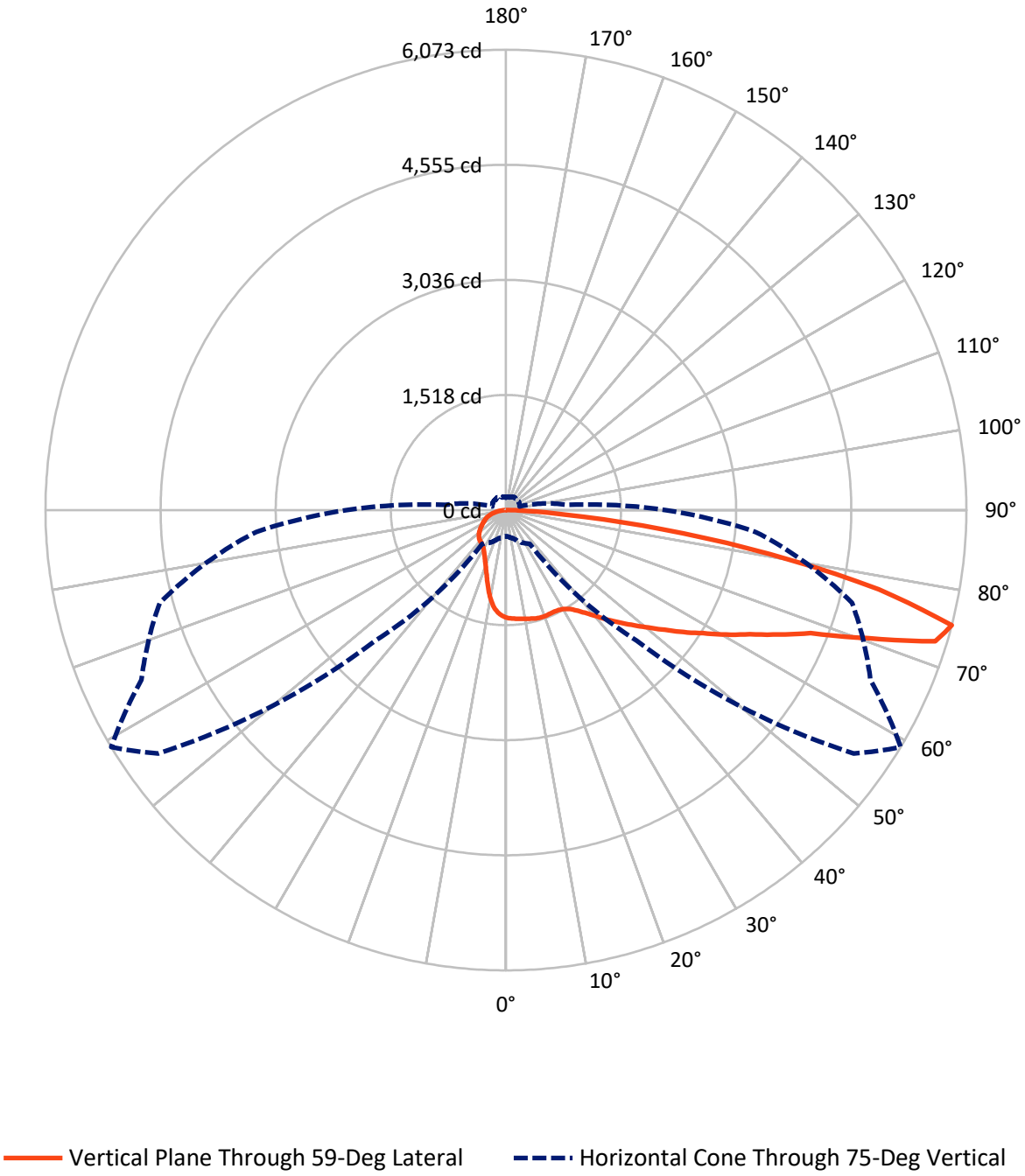


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Medium - N/A

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

REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

Luminous Intensity Polar Plot



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

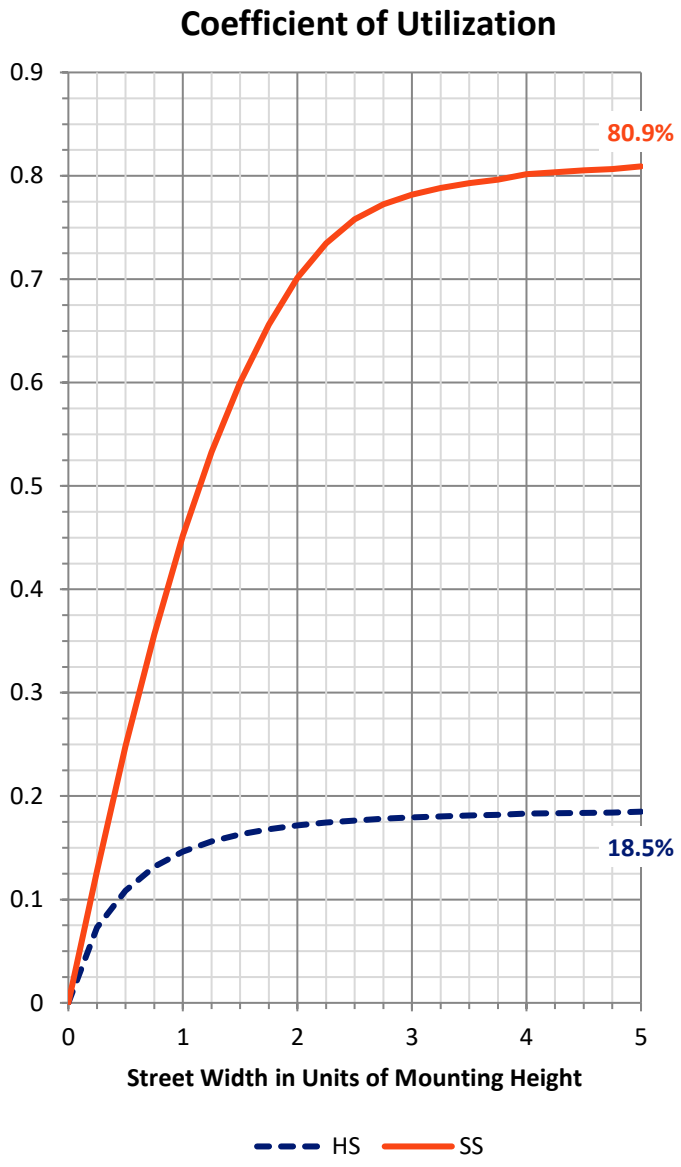
REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.8	0.0	1452.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6293.2	0.0	6293.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	7746.0	0.0	7746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	1.6
10°-20°	325.9	4.2
20°-30°	495.0	6.4
30°-40°	735.7	9.5
40°-50°	1094.2	14.1
50°-60°	1485.2	19.2
60°-70°	1813.2	23.4
70°-80°	1423.0	18.4
80°-90°	246.5	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°	7746.0	100.0
0°-180°	7746.0	100.0



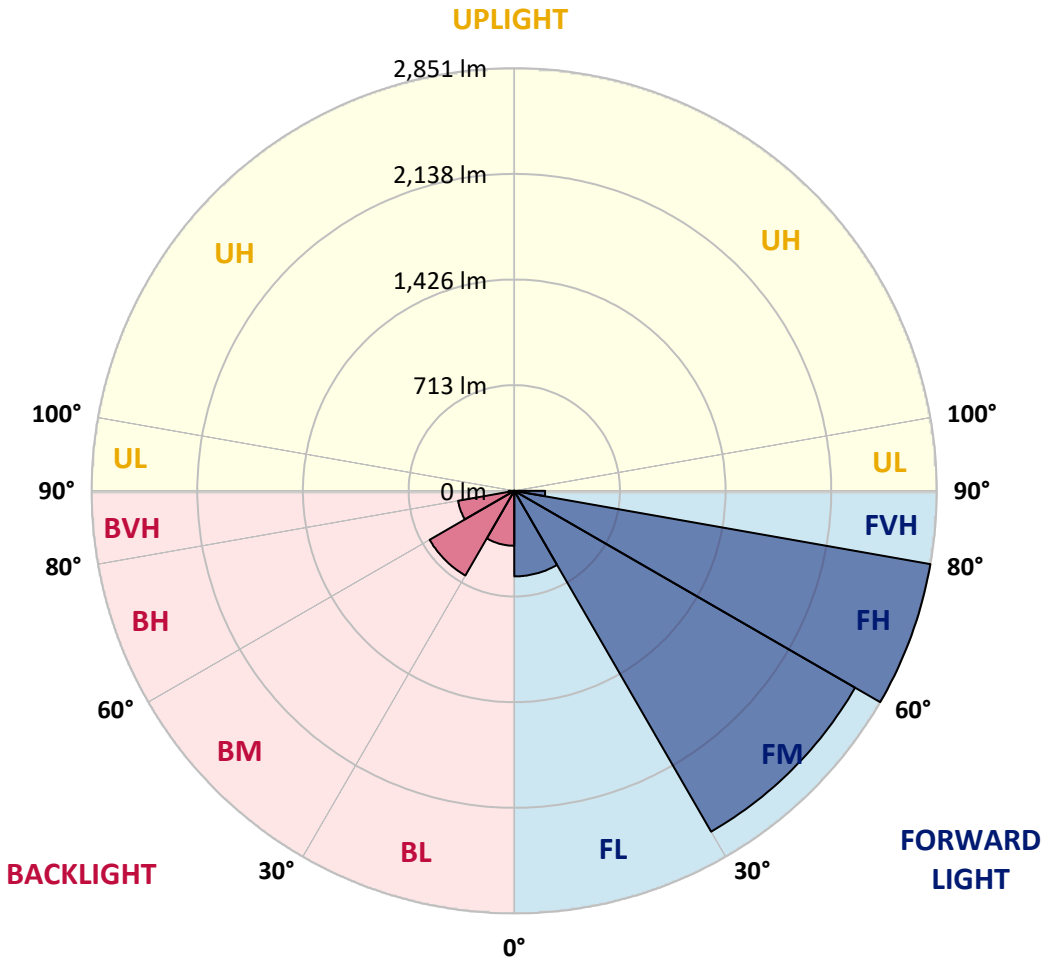
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	577.5	7.5			
FM	(30°-60°)	2655.7	34.3			
FH	(60°-80°)	2851.2	36.8			G2/5000
FVH	(80°-90°)	208.8	2.7			G2/225
BL	(0°-30°)	370.7	4.8	B1/500		
BM	(30°-60°)	659.4	8.5	B1/1000		
BH	(60°-80°)	384.9	5.0	B1/500		G1/500
BVH	(80°-90°)	37.7	0.5			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 IV Medium



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

REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8
2.5°	1433.8	1428.8	1433.8	1431.8	1430.9	1429.3	1429.7	1432.6	1430.9	1433.0
5°	1424.3	1421.3	1426.3	1425.1	1430.5	1431.3	1436.8	1440.1	1442.2	1442.6
7.5°	1408.4	1405.5	1412.6	1418.4	1430.1	1433.4	1444.7	1450.1	1453.0	1458.0
10°	1350.5	1349.3	1366.8	1388.8	1416.3	1433.4	1450.5	1459.7	1464.3	1477.6
12.5°	1248.0	1249.7	1272.6	1315.1	1370.1	1425.1	1457.2	1470.5	1477.6	1494.3
15°	1150.1	1149.7	1174.7	1220.1	1297.2	1388.4	1460.5	1483.4	1495.5	1520.1
17.5°	1093.4	1091.7	1109.2	1143.8	1215.5	1332.2	1452.2	1490.5	1516.4	1547.2
20°	1083.0	1079.7	1088.8	1105.9	1156.7	1270.5	1430.5	1490.5	1533.0	1573.0
22.5°	1120.9	1115.5	1111.7	1109.7	1132.2	1219.7	1405.9	1485.5	1557.6	1610.1
25°	1197.2	1188.8	1169.7	1150.9	1144.2	1196.7	1384.3	1484.3	1594.3	1660.1
27.5°	1320.5	1310.1	1271.3	1226.3	1185.9	1208.4	1374.7	1491.8	1634.7	1713.0
30°	1473.4	1462.2	1413.4	1344.3	1271.8	1251.7	1386.8	1513.9	1686.4	1783.5
32.5°	1610.5	1598.0	1556.4	1485.9	1388.0	1326.8	1425.1	1555.9	1767.6	1881.4
35°	1732.2	1717.6	1680.1	1615.1	1530.5	1432.2	1494.3	1630.5	1883.0	2040.6
37.5°	1851.4	1834.3	1793.5	1724.7	1665.5	1572.6	1589.7	1726.4	2036.4	2233.9
40°	1984.7	1960.1	1910.5	1842.6	1785.1	1737.2	1715.1	1843.9	2192.2	2449.7
42.5°	2113.9	2090.6	2031.4	1973.5	1901.4	1887.6	1860.5	1981.4	2362.7	2686.8
45°	2253.1	2225.1	2153.5	2080.1	2034.7	1987.6	2001.4	2118.9	2529.8	2928.5
47.5°	2383.5	2352.2	2267.7	2186.0	2161.0	2071.8	2130.6	2270.2	2703.5	3173.5
50°	2453.9	2423.1	2352.7	2278.9	2259.3	2175.6	2270.6	2436.4	2885.6	3417.7
52.5°	2512.7	2479.3	2387.2	2346.4	2340.6	2288.5	2443.1	2626.4	3067.7	3633.6
55°	2575.2	2538.1	2420.6	2383.9	2410.6	2415.2	2647.7	2841.9	3260.2	3844.0
57.5°	2647.3	2600.2	2452.7	2415.6	2478.9	2563.5	2882.7	3065.2	3449.4	4039.0
60°	2715.2	2667.7	2514.3	2466.0	2552.7	2735.6	3152.3	3335.6	3663.6	4212.8
62.5°	2728.5	2689.3	2563.5	2563.1	2652.7	2936.4	3471.5	3608.6	3850.7	4384.5
65°	2497.7	2473.1	2398.5	2559.3	2796.0	3225.6	3826.9	3957.8	4088.6	4534.5
67.5°	1901.0	1904.3	1898.9	2209.3	2680.2	3641.1	4341.5	4331.5	4382.4	4702.8
70°	869.2	888.8	1016.3	1525.1	2147.2	3689.0	5192.4	5062.8	4751.1	4920.7
72.5°	469.6	484.6	536.7	738.8	1290.9	3279.8	5828.3	5920.4	5241.6	5067.4
75°	344.6	352.9	389.2	469.6	542.1	2437.7	5600.4	6072.9	5302.9	4725.3
77.5°	257.9	261.7	291.3	372.1	277.5	1285.1	4474.9	5029.5	4539.5	3882.3
80°	187.1	191.3	213.3	279.2	194.6	470.0	3072.7	3530.2	3109.0	2474.7
82.5°	129.2	130.8	140.4	190.0	135.8	182.5	1743.4	2070.1	1735.5	868.4
85°	77.9	80.0	84.2	110.8	77.1	86.7	752.5	778.4	518.8	207.5
87.5°	32.1	34.2	37.5	46.7	30.4	24.2	124.2	155.8	97.1	60.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

REPORT NUMBER: P945657
CATALOG NUMBER: GLAN-SB1C-750-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1421.8	0°	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8
1425.9	2.5°	1423.8	1420.9	1413.0	1402.2	1392.2	1379.7	1374.3	1369.7	1365.5	1357.6
1437.2	5°	1432.6	1424.7	1403.4	1375.9	1344.7	1310.5	1277.2	1254.2	1234.7	1220.1
1450.1	7.5°	1445.9	1430.9	1392.2	1335.9	1264.3	1190.9	1124.7	1077.6	1042.2	1029.2
1468.4	10°	1459.7	1441.8	1374.3	1275.1	1151.3	1038.4	950.5	902.1	873.8	864.6
1490.1	12.5°	1475.9	1449.7	1346.3	1190.5	1025.1	901.3	824.6	796.3	781.7	776.7
1516.8	15°	1499.7	1456.3	1304.3	1084.7	904.6	801.3	751.7	732.1	724.6	724.2
1544.3	17.5°	1517.6	1457.6	1238.8	971.3	812.1	740.9	700.0	692.5	697.5	705.0
1571.4	20°	1537.6	1446.3	1153.0	868.0	747.1	688.0	670.9	675.9	688.0	698.8
1607.2	22.5°	1551.8	1425.9	1049.2	787.6	690.9	657.5	656.7	667.1	673.8	679.2
1649.3	25°	1564.3	1391.3	939.2	720.0	644.6	639.2	648.4	645.0	640.5	645.0
1691.4	27.5°	1573.4	1336.8	840.9	660.9	612.1	626.7	621.3	613.8	613.4	615.9
1740.9	30°	1570.5	1263.8	760.1	604.6	589.2	603.4	590.5	589.2	588.0	589.2
1815.5	32.5°	1570.5	1180.9	698.0	565.9	574.6	569.2	568.0	565.0	560.0	559.6
1916.8	35°	1579.3	1098.0	644.6	545.0	562.5	549.6	550.5	543.4	533.0	528.0
2051.0	37.5°	1597.2	1031.3	591.7	535.0	541.3	540.9	537.5	525.5	507.1	491.3
2218.5	40°	1640.5	1011.7	555.5	530.5	531.3	536.3	527.5	504.2	462.5	436.7
2388.5	42.5°	1708.4	1044.7	547.5	519.2	524.6	529.6	512.5	458.4	428.8	413.4
2566.8	45°	1794.7	1102.2	564.6	503.0	508.8	517.5	466.7	440.9	427.5	427.9
2743.5	47.5°	1903.9	1162.6	596.3	488.8	485.9	490.9	436.3	420.4	402.1	406.7
2913.1	50°	2030.1	1223.8	626.3	469.6	460.4	444.2	416.7	401.7	378.4	367.5
3076.9	52.5°	2166.8	1283.0	638.4	446.3	432.9	414.2	403.4	385.0	356.7	338.8
3231.5	55°	2296.4	1336.8	625.0	418.4	405.4	390.9	389.2	377.9	347.5	322.5
3369.0	57.5°	2418.9	1381.8	591.7	390.0	377.5	368.8	380.0	374.6	336.3	304.2
3499.0	60°	2522.7	1412.6	543.4	361.3	352.5	347.9	365.0	363.4	320.4	284.6
3615.7	62.5°	2605.2	1424.7	490.0	333.8	331.7	323.4	344.2	344.2	300.4	265.4
3718.2	65°	2669.8	1413.0	435.9	306.7	310.9	298.4	318.8	316.3	279.2	248.3
3836.1	67.5°	2726.8	1374.7	375.9	280.0	289.6	273.8	292.1	286.3	255.9	231.3
3938.2	70°	2752.3	1285.5	307.5	253.4	265.0	249.6	265.4	254.6	229.6	212.9
3826.1	72.5°	2548.1	1068.4	242.1	225.4	235.4	222.9	236.7	224.2	201.3	193.8
3304.0	75°	*2108.1*	*801.7*	*186.3*	*195.0*	*202.5*	*192.9*	*202.1*	*192.9*	*172.1*	*177.5*
2440.6	77.5°	1530.9	541.3	142.5	162.9	166.3	161.3	169.2	158.8	140.0	138.8
1216.3	80°	761.3	317.1	111.7	128.8	127.5	124.2	133.3	128.3	112.5	119.2
328.4	82.5°	220.4	135.8	81.3	90.4	87.9	88.8	95.4	97.9	146.7	145.4
102.1	85°	69.2	53.3	48.8	50.4	47.9	49.2	56.3	111.7	103.3	60.4
31.7	87.5°	17.9	18.3	12.1	12.9	13.3	15.8	17.9	67.9	32.5	21.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

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

180°
1421.8
1353.8
1208.0
1006.7
850.5
778.0
725.9
708.0
702.5
682.1
648.0
620.0
593.8
565.0
533.0
496.7
440.0
413.4
430.0
418.4
370.4
338.4
322.5
302.5
283.4
264.2
246.7
229.6
209.6
187.5
162.1
132.5
117.9
148.8
65.4
22.5
0.0

F REPORT)