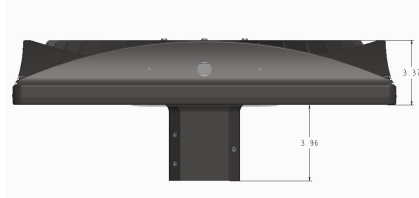


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 25 foot mounting height.



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 DATE SAMPLE TESTED: 12/16/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S78Y/347/D10 RCL
 (TYPE V Square)

LUMINAIRE: CAST FINNED METAL HOUSING, 4
 WHITE CIRCUIT BOARD WITH 11 LEDS,
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH
 SPECULAR FINISH, CLEAR POLYCARBONATE
 LENS IN CAST BRONZE PAINTED METAL
 FRAME.

LAMP: FORTY-FOUR WHITE LIGHT EMITTING
 DIODES (LEDs), TILTED 80-DEGREES FROM
 VERTICAL BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED.

TOTAL INPUT WATTS: 74.887 W AT 480.0
 VOLTS

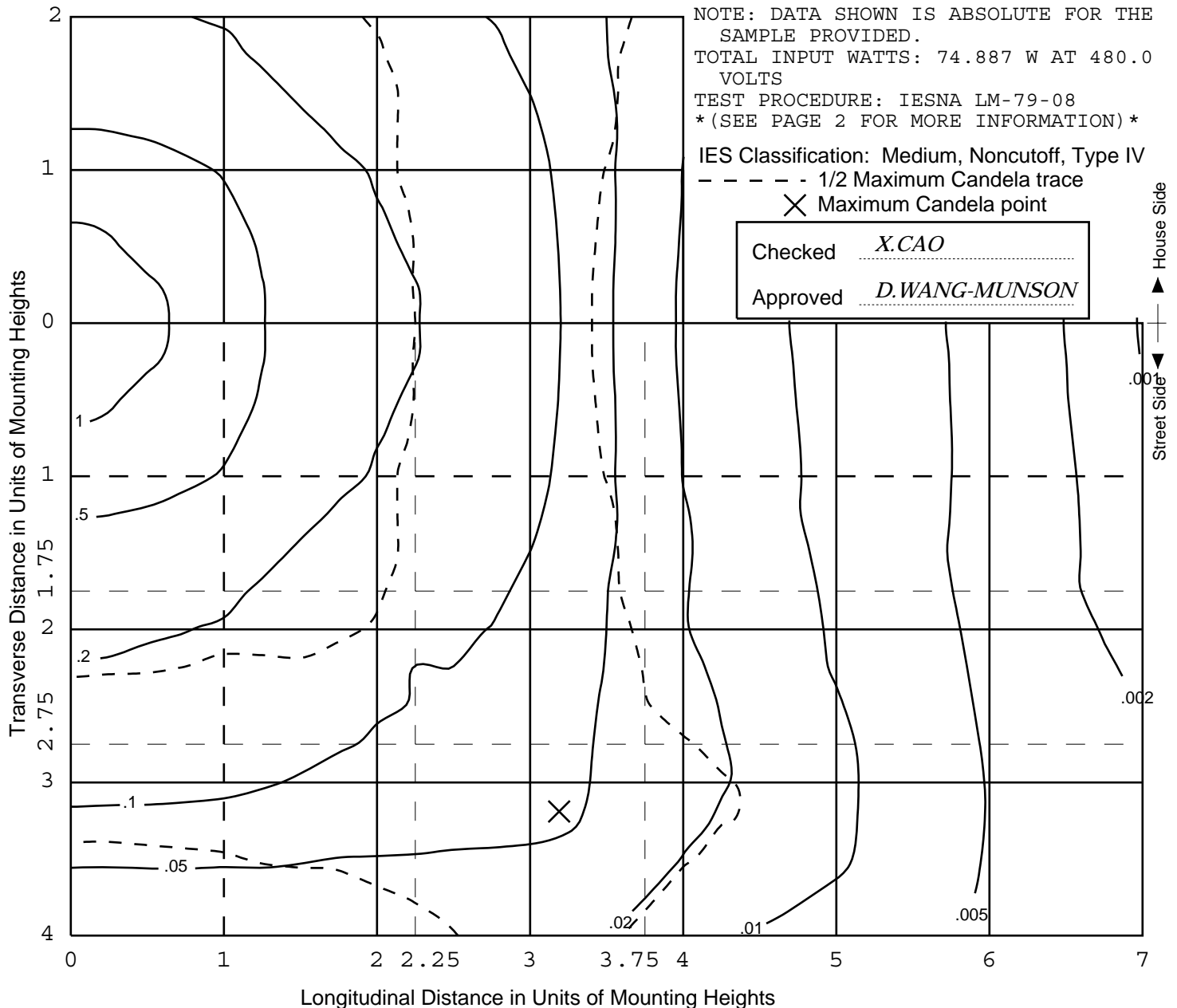
TEST PROCEDURE: IESNA LM-79-08

*(SEE PAGE 2 FOR MORE INFORMATION) *

IES Classification: Medium, Noncutoff, Type IV

--- 1/2 Maximum Candela trace

X Maximum Candela point



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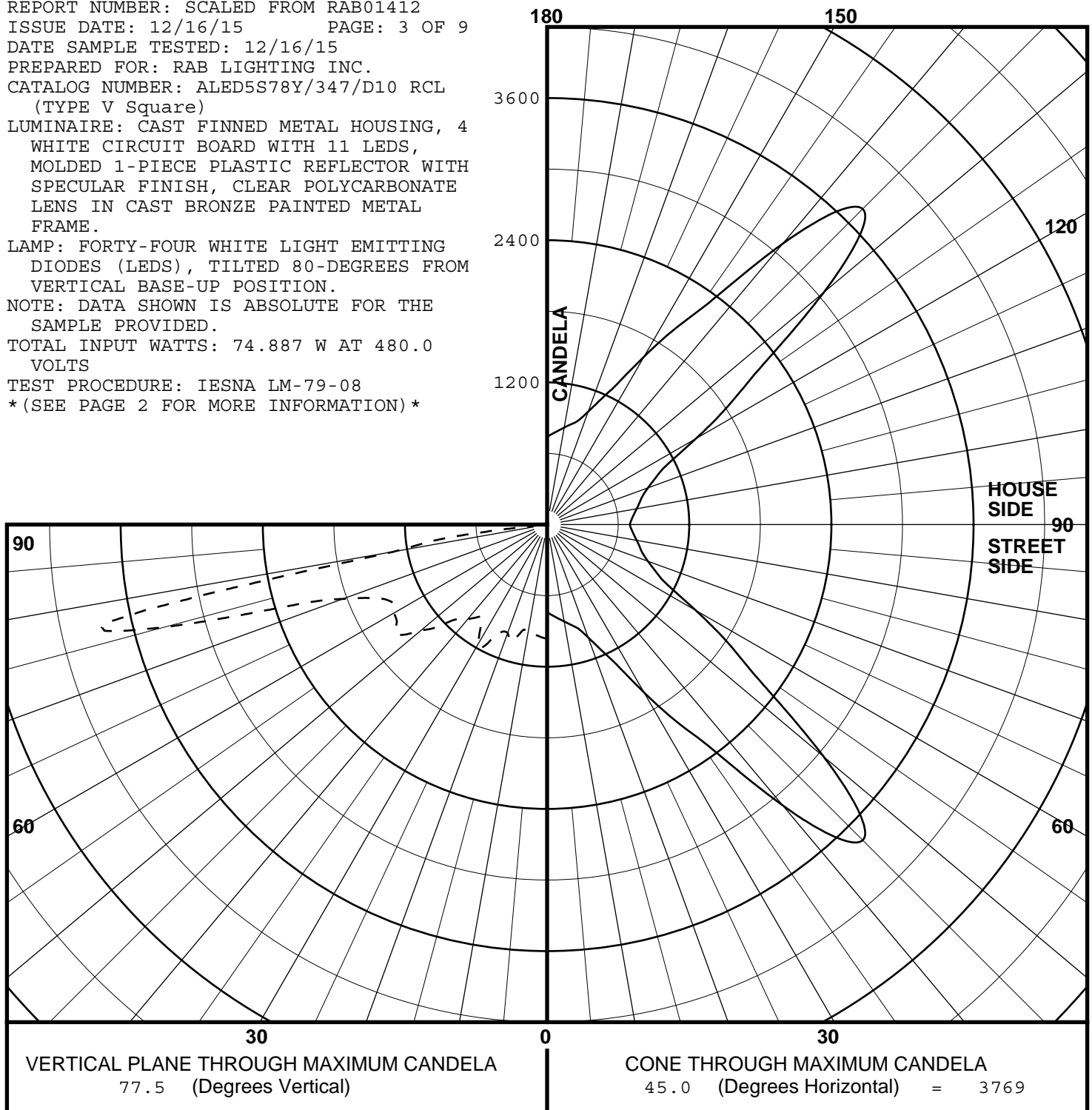
PAGE: 2 OF 9
DATE SAMPLE TESTED: 12/16/15

ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET
LED DRIVER: RDD-H100-A2000-480
ACCREDITED LABORATORY CODE 201085-0

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

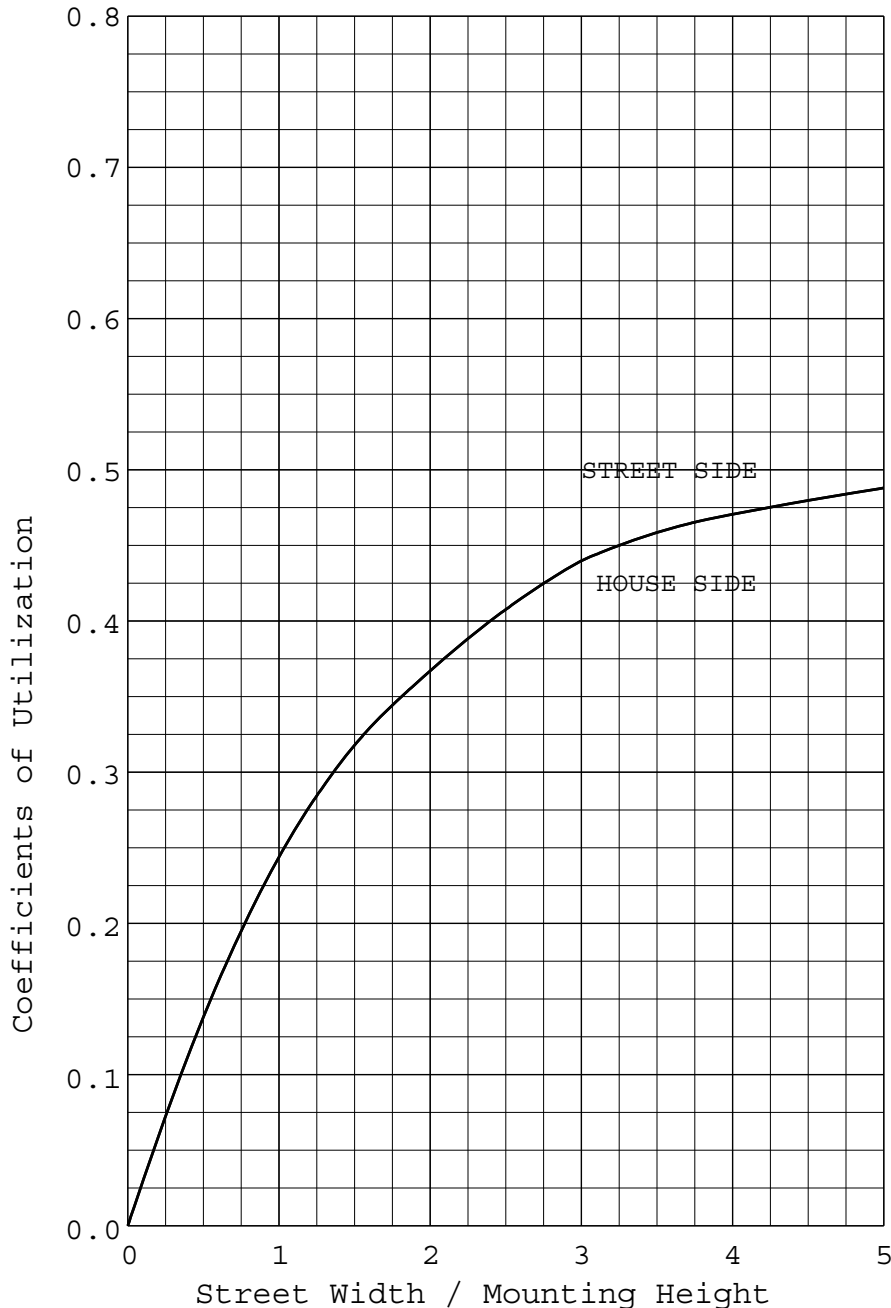
REPORT NUMBER: SCALED FROM RAB01412
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 DATE SAMPLE TESTED: 12/16/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S78Y/347/D10 RCL
 (TYPE V Square)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 WHITE CIRCUIT BOARD WITH 11 LEDS,
 MOLDED 1-PIECE PLASTIC REFLECTOR WITH
 SPECULAR FINISH, CLEAR POLYCARBONATE
 LENS IN CAST BRONZE PAINTED METAL
 FRAME.
 LAMP: FORTY-FOUR WHITE LIGHT EMITTING
 DIODES (LEDS), TILTED 80-DEGREES FROM
 VERTICAL BASE-UP POSITION.
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED.
 TOTAL INPUT WATTS: 74.887 W AT 480.0
 VOLTS
 TEST PROCEDURE: IESNA LM-79-08
 (SEE PAGE 2 FOR MORE INFORMATION)



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	3940.	50.0
DOWNWARD HOUSE SIDE	3940.	50.0
DOWNWARD TOTAL	7881.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	7881.	100.0
TOTAL INPUT WATTS = 74.9		
EFFICACY = 105.2 Lm/W		

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB01412
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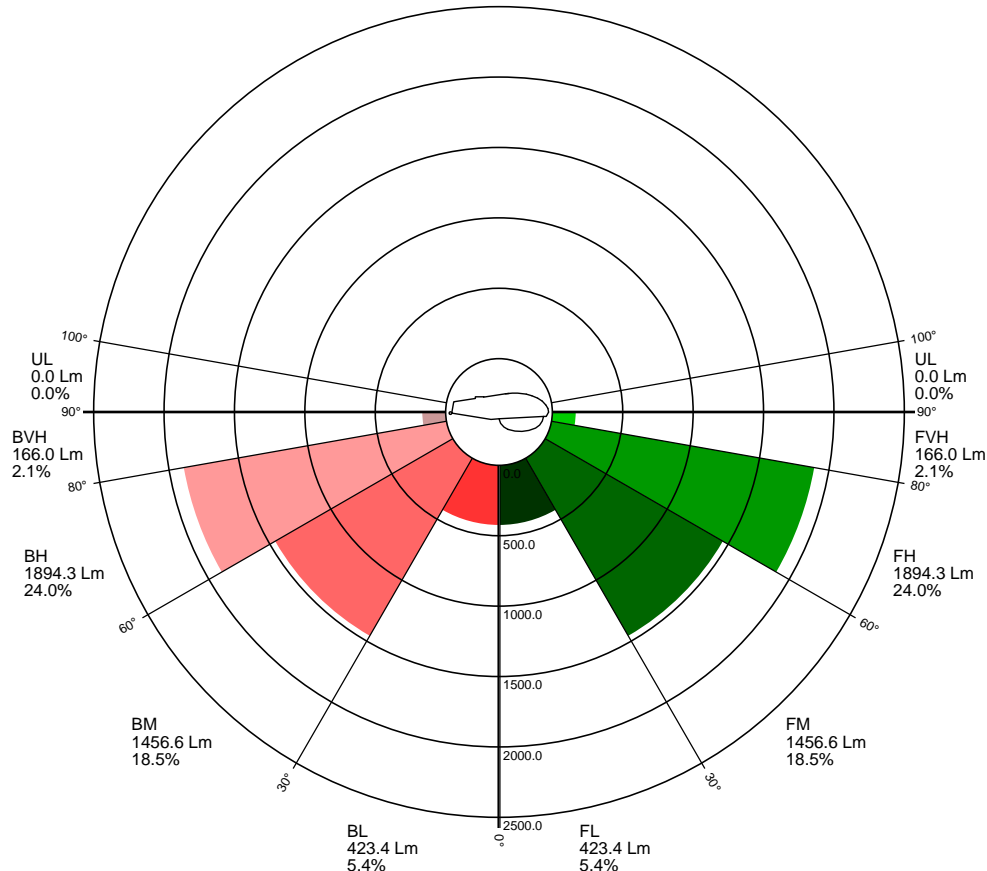
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 12/16/15

BUG Rating:				B3	U0	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		3940	50.0			
FL	(0° – 30°)	423.4	5.4			
FM	(30° – 60°)	1456.6	18.5			
FH	(60° – 80°)	1894.3	24.0			G2
FVH	(80° – 90°)	166.0	2.1			G2
Backward		3940	50.0			
BL	(0° – 30°)	423.4	5.4	B1		
BM	(30° – 60°)	1456.6	18.5	B2		
BH	(60° – 80°)	1894.3	24.0	B3		G2
BVH	(80° – 90°)	166.0	2.1			G2
Upward		0	0.0			
UL	(90° – 100°)	0.0	0.0		U0	
UH	(100° – 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		7881	100.0			

Zonal Lumen Summary

(Linear scale)

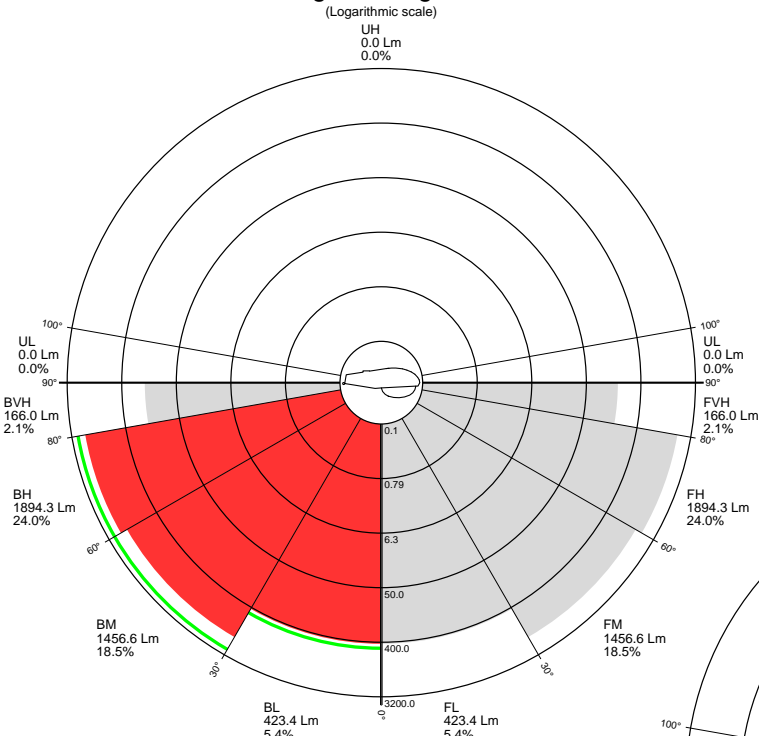
UH
0.0 Lm
0.0%



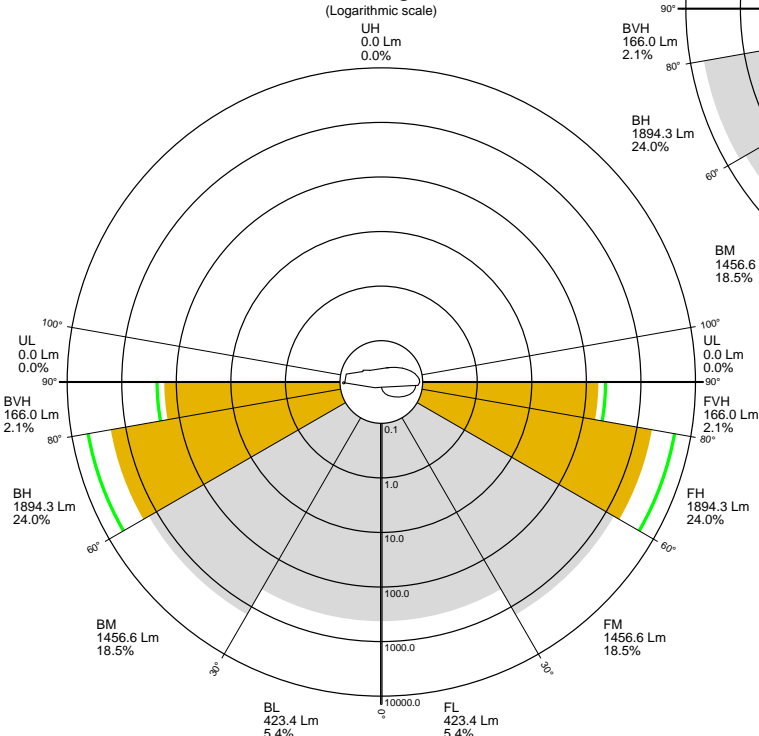
REPORT NUMBER: SCALED FROM RAB01412
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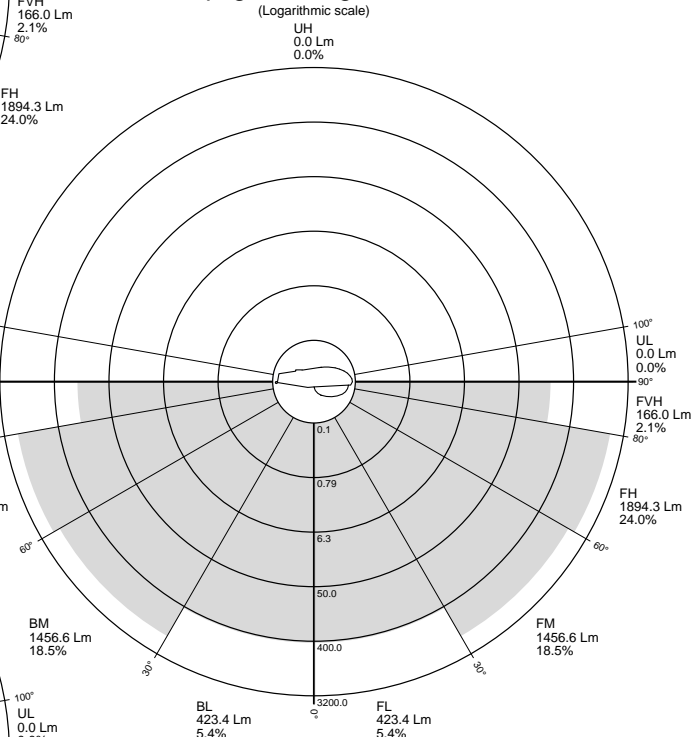
Backlight Rating Details



Glare Rating Details



Uplight Rating Details



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CANDELA TABULATION

	STREET SIDE									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	5.	5.	5.	6.	11.	11.	10.	6.	4.	4.
85.0	18.	22.	52.	144.	250.	42.	235.	142.	40.	17.
V 82.5	68.	90.	243.	905.	830.	837.	946.	766.	231.	85.
E 80.0	635.	655.	776.	1041.	2040.	1307.	1865.	1065.	765.	665.
R 77.5<<	740.	782.	889.	1235.	2171.	3769.	2037.	1054.	820.	725.
T 75.0	1230.	1256.	1624.	2266.	2906.	3346.	3004.	2435.	1637.	1157.
I 72.5	2359.	2364.	2570.	2691.	2468.	2281.	2555.	2792.	2694.	2528.
C 70.0	2370.	2371.	2351.	2281.	1926.	1835.	1980.	2378.	2488.	2559.
A 67.5	2032.	2052.	1954.	1895.	1661.	1619.	1684.	1921.	2011.	2135.
L 65.0	1648.	1650.	1613.	1700.	1550.	1498.	1561.	1695.	1643.	1732.
62.5	1486.	1477.	1471.	1583.	1540.	1463.	1521.	1574.	1474.	1490.
A 60.0	1381.	1369.	1441.	1513.	1525.	1490.	1524.	1481.	1418.	1379.
N 57.5	1354.	1335.	1437.	1401.	1529.	1505.	1522.	1419.	1417.	1354.
G 55.0	1294.	1267.	1398.	1384.	1444.	1562.	1469.	1390.	1425.	1311.
L 52.5	1301.	1279.	1368.	1363.	1434.	1529.	1434.	1383.	1371.	1302.
E 50.0	1321.	1293.	1362.	1314.	1368.	1391.	1369.	1360.	1373.	1323.
47.5	1308.	1285.	1377.	1344.	1299.	1291.	1316.	1374.	1392.	1313.
45.0	1311.	1291.	1371.	1387.	1205.	1153.	1190.	1379.	1378.	1330.
42.5	1272.	1262.	1293.	1306.	1109.	1074.	1123.	1260.	1309.	1268.
40.0	1208.	1187.	1195.	1157.	1024.	1042.	1055.	1168.	1170.	1147.
37.5	1119.	1106.	1111.	1040.	1069.	989.	1049.	1052.	1113.	1097.
35.0	1051.	1031.	994.	1022.	1107.	961.	1069.	1009.	1032.	1053.
30.0	1031.	1015.	971.	977.	1040.	1162.	1019.	976.	990.	995.
25.0	1027.	1020.	1013.	1076.	1077.	1038.	1078.	1092.	1012.	1001.
20.0	1084.	1074.	1039.	968.	1012.	974.	1015.	1006.	1045.	1064.
15.0	994.	991.	965.	975.	968.	979.	981.	961.	964.	974.
10.0	981.	982.	966.	958.	932.	919.	902.	927.	924.	927.
5.0	959.	965.	977.	949.	944.	940.	938.	936.	952.	941.
0.0	964.	964.	964.	964.	964.	964.	964.	964.	964.	964.

||

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

HOUSE SIDE

LATERAL ANGLE

	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	4.	4.	4.	6.	10.	11.	11.	6.	5.	5.	5.
85.0	13.	17.	40.	142.	235.	42.	250.	144.	52.	22.	18.
V 82.5	62.	85.	231.	766.	946.	837.	830.	905.	243.	90.	68.
E 80.0	635.	665.	765.	1065.	1865.	1307.	2040.	1041.	776.	655.	635.
R 77.5<<	700.	725.	820.	1054.	2037.	3769.	2171.	1235.	889.	782.	740.
T 75.0	1105.	1157.	1637.	2435.	3004.	3346.	2906.	2266.	1624.	1256.	1230.
I 72.5	2511.	2528.	2694.	2792.	2555.	2281.	2468.	2691.	2570.	2364.	2359.
C 70.0	2525.	2559.	2488.	2378.	1980.	1835.	1926.	2281.	2351.	2371.	2370.
A 67.5	2121.	2135.	2011.	1921.	1684.	1619.	1661.	1895.	1954.	2052.	2032.
L 65.0	1718.	1732.	1643.	1695.	1561.	1498.	1550.	1700.	1613.	1650.	1648.
62.5	1472.	1490.	1474.	1574.	1521.	1463.	1540.	1583.	1471.	1477.	1486.
A 60.0	1351.	1379.	1418.	1481.	1524.	1490.	1525.	1513.	1441.	1369.	1381.
N 57.5	1353.	1354.	1417.	1419.	1522.	1505.	1529.	1401.	1437.	1335.	1354.
G 55.0	1296.	1311.	1425.	1390.	1469.	1562.	1444.	1384.	1398.	1267.	1294.
L 52.5	1301.	1302.	1371.	1383.	1434.	1529.	1434.	1363.	1368.	1279.	1301.
E 50.0	1321.	1323.	1373.	1360.	1369.	1391.	1368.	1314.	1362.	1293.	1321.
47.5	1314.	1313.	1392.	1374.	1316.	1291.	1299.	1344.	1377.	1285.	1308.
45.0	1319.	1330.	1378.	1379.	1190.	1153.	1205.	1387.	1371.	1291.	1311.
42.5	1278.	1268.	1309.	1260.	1123.	1074.	1109.	1306.	1293.	1262.	1272.
40.0	1166.	1147.	1170.	1168.	1055.	1042.	1024.	1157.	1195.	1187.	1208.
37.5	1103.	1097.	1113.	1052.	1049.	989.	1069.	1040.	1111.	1106.	1119.
35.0	1063.	1053.	1032.	1009.	1069.	961.	1107.	1022.	994.	1031.	1051.
30.0	995.	995.	990.	976.	1019.	1162.	1040.	977.	971.	1015.	1031.
25.0	996.	1001.	1012.	1092.	1078.	1038.	1077.	1076.	1013.	1020.	1027.
20.0	1063.	1064.	1045.	1006.	1015.	974.	1012.	968.	1039.	1074.	1084.
15.0	971.	974.	964.	961.	981.	979.	968.	975.	965.	991.	994.
10.0	921.	927.	924.	927.	902.	919.	932.	958.	966.	982.	981.
5.0	933.	941.	952.	936.	938.	940.	944.	949.	977.	965.	959.
0.0	964.	964.	964.	964.	964.	964.	964.	964.	964.	964.	964.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	23
5- 10	67
10- 15	114
15- 20	163
20- 25	219
25- 30	260
30- 35	301
35- 40	359
40- 45	452
45- 50	537
50- 55	601
55- 60	663
60- 65	742
65- 70	966
70- 75	1244
75- 80	836
80- 85	316
85- 90	16
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	90
0- 20	368
0- 30	847
0- 40	1507
0- 50	2496
0- 60	3760
0- 70	5469
0- 80	7549
0- 90	7881
0-100	7881
0-110	7881
0-120	7881
0-130	7881
0-140	7881
0-150	7881
0-160	7881
0-170	7881
0-180	7881