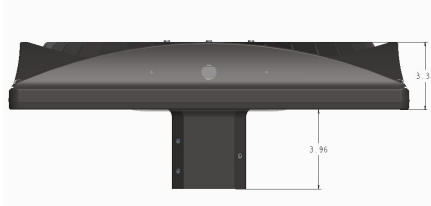


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 25 foot mounting height.



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 ISSUE DATE: 12/16/15 PAGE: 1 OF 9
 DATE SAMPLE TESTED: 12/16/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S78/347/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: 76.217 W AT 480.0
 VOLTS

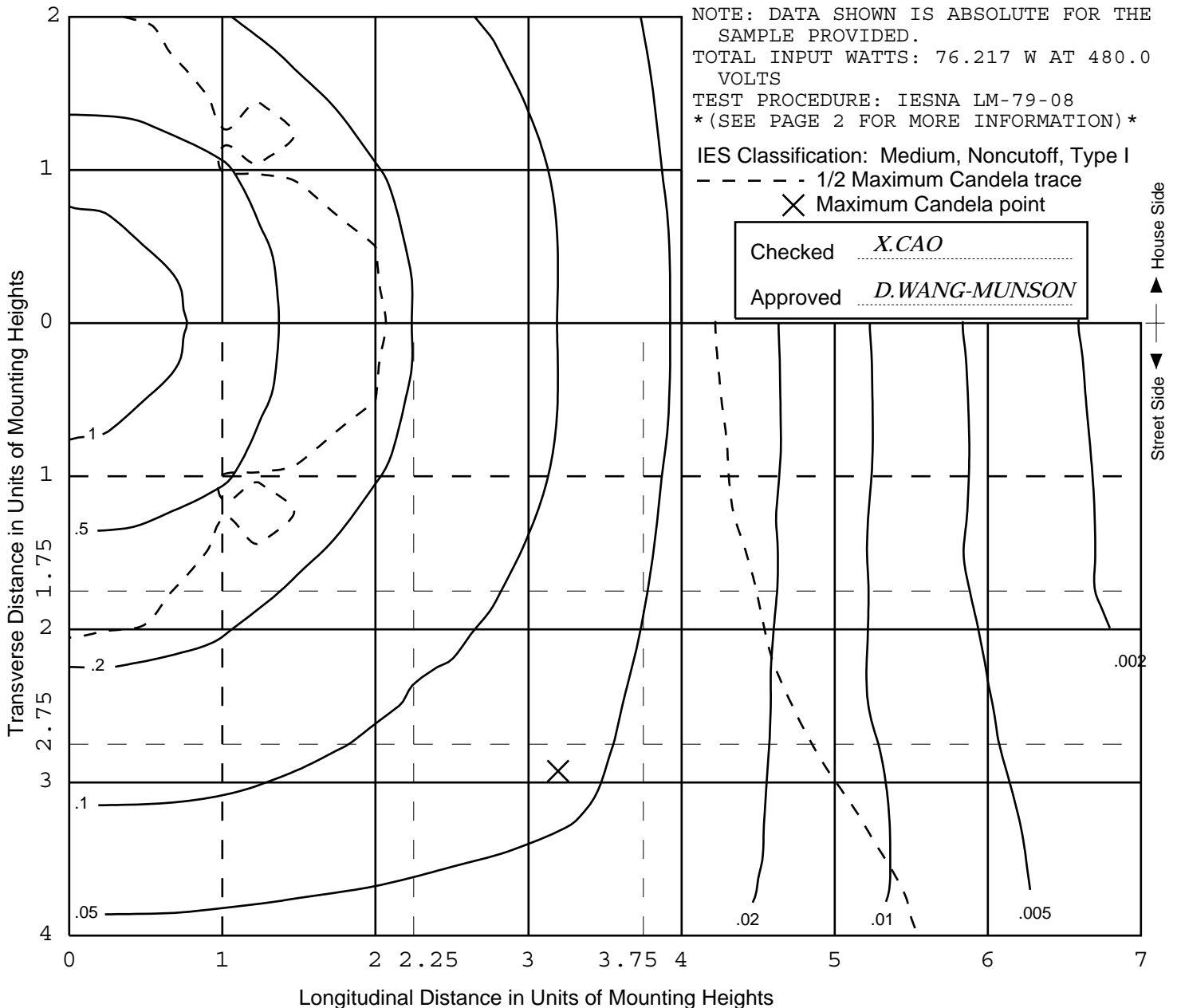
TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

IES Classification: Medium, Noncutoff, Type I

--- 1/2 Maximum Candela trace

X Maximum Candela point



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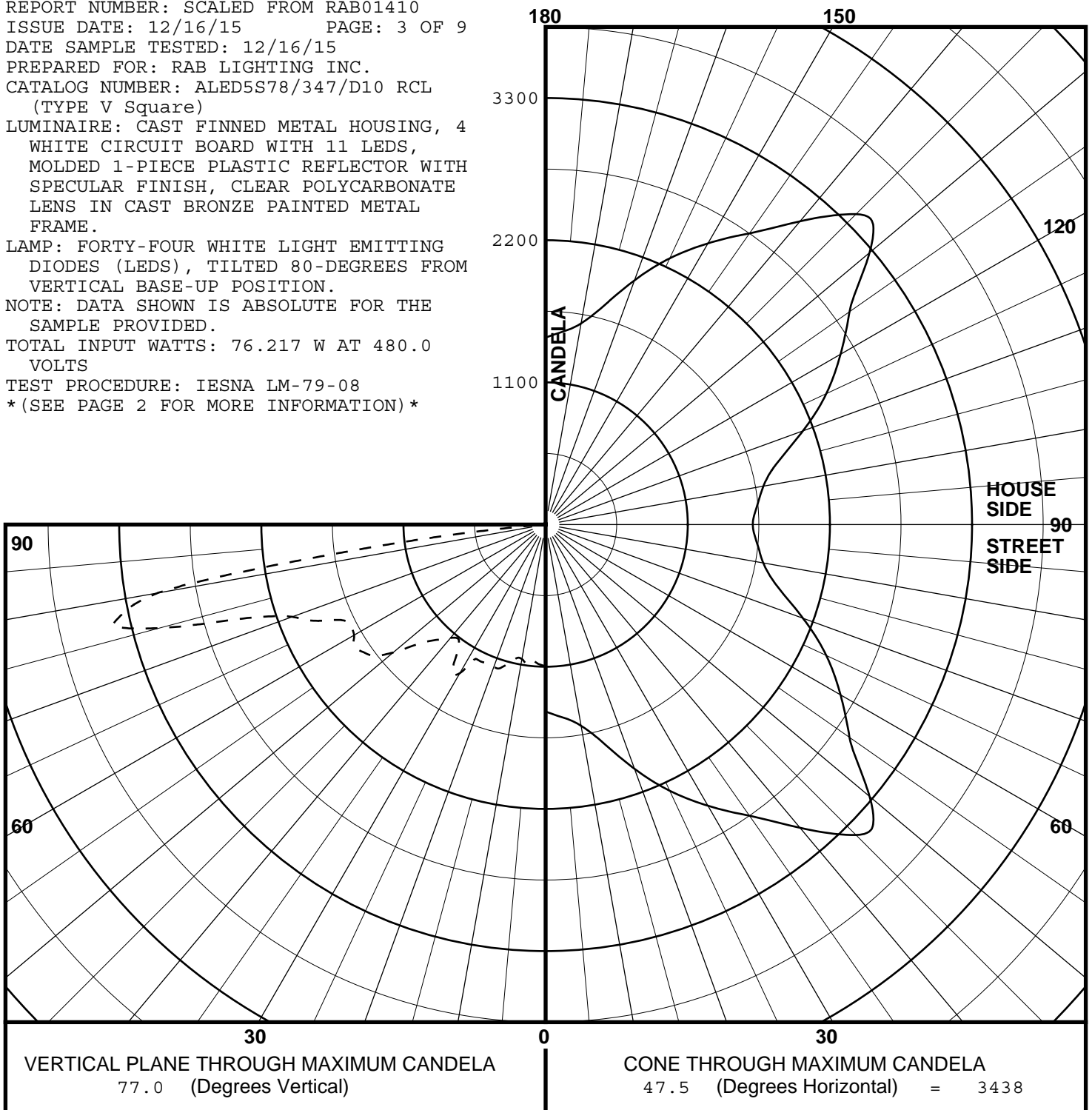
PAGE: 2 OF 9
DATE SAMPLE TESTED: 12/16/15

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

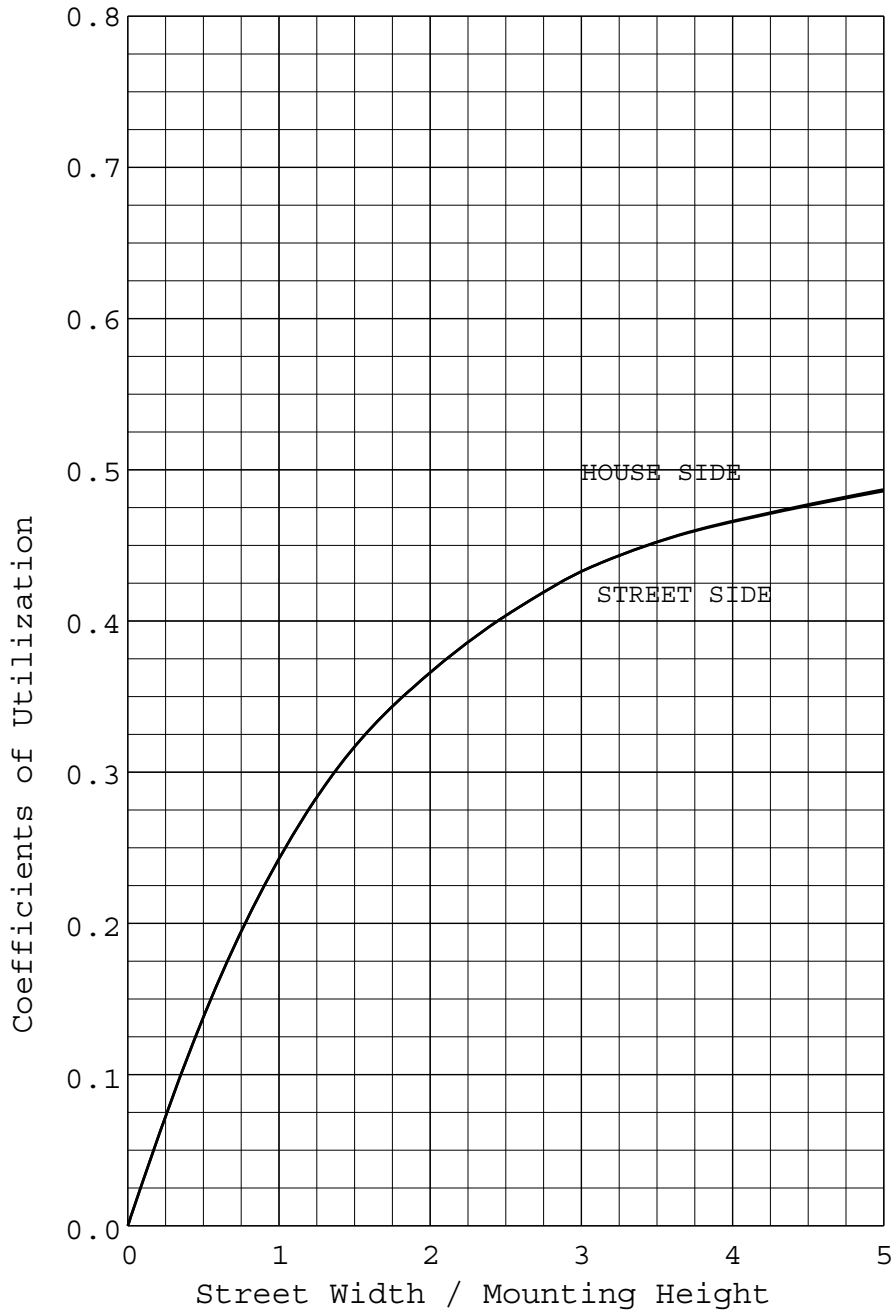
REPORT NUMBER: SCALED FROM RAB01410
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 DATE SAMPLE TESTED: 12/16/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5S78/347/D10 RCL
 (TYPE V Square)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 WHITE CIRCUIT BOARD WITH 11 LEDS,
 MOLDED 1-PIECE PLASTIC 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: 76.217 W AT 480.0
 VOLTS
 TEST PROCEDURE: IESNA LM-79-08
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: SCALED FROM RAB01410
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	4446.	50.0
DOWNWARD HOUSE SIDE	4446.	50.0
DOWNWARD TOTAL	8893.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	8893.	100.0
TOTAL INPUT WATTS = 76.2		
EFFICACY = 116.7 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.

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 PREPARED FOR: RAB LIGHTING INC.

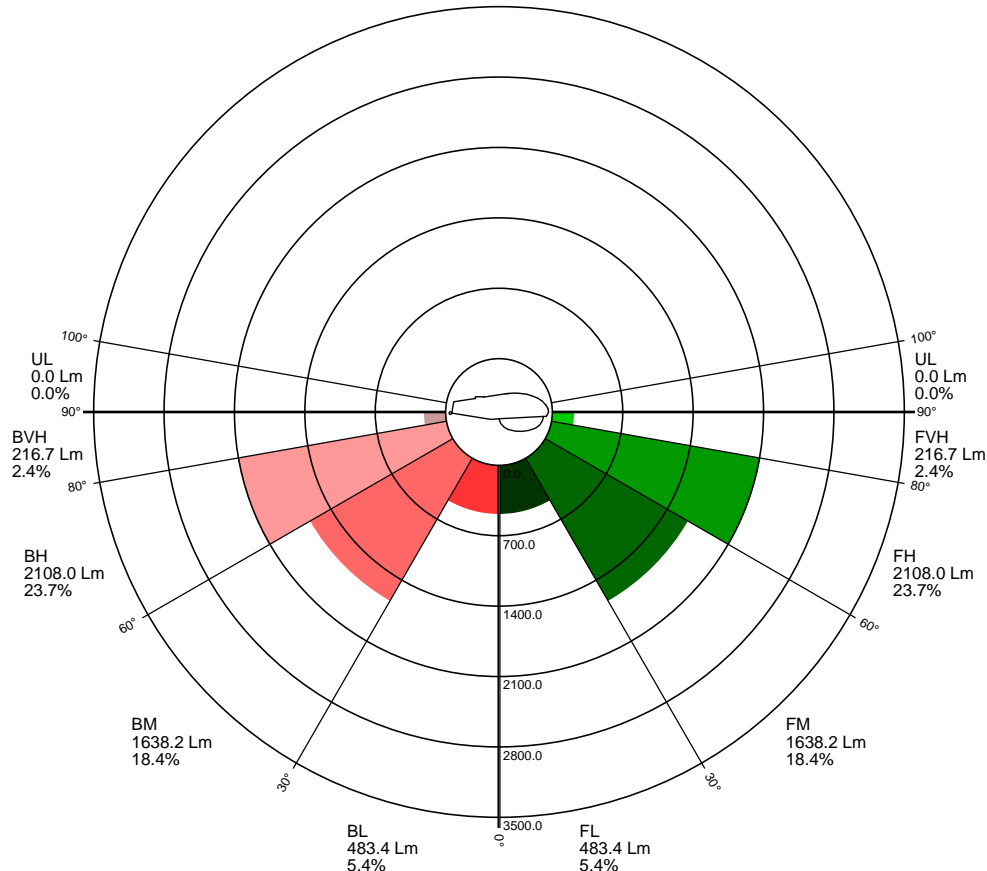
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 12/16/15

BUG Rating:				B3 U0 G2		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward						
FL	(0° - 30°)	483.4	5.4			
FM	(30° - 60°)	1638.2	18.4			
FH	(60° - 80°)	2108.0	23.7			G2
FVH	(80° - 90°)	216.7	2.4			G2
Backward						
BL	(0° - 30°)	483.4	5.4	B1		
BM	(30° - 60°)	1638.2	18.4	B2		
BH	(60° - 80°)	2108.0	23.7	B3		G2
BVH	(80° - 90°)	216.7	2.4			G2
Upward						
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light						
Total Flux				8893 100.0		

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

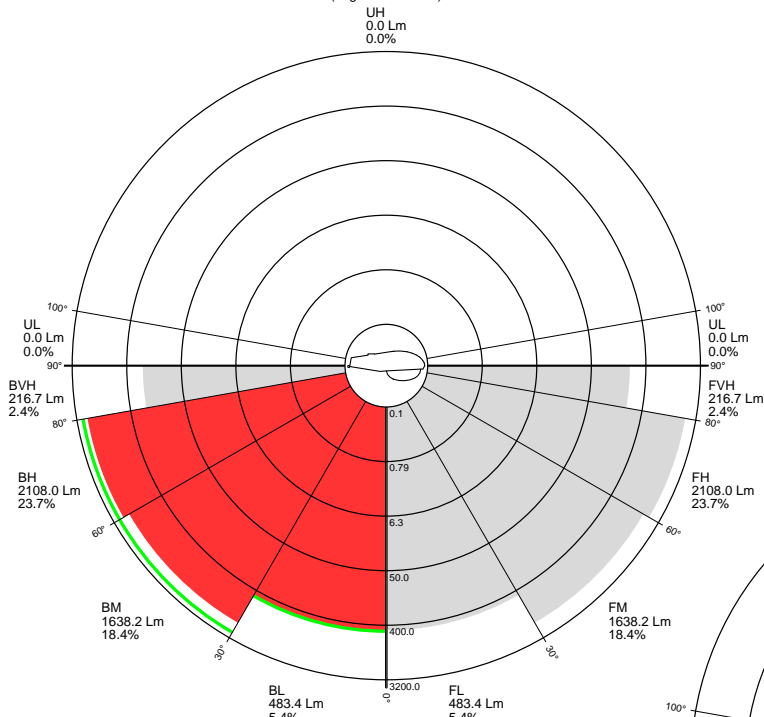


REPORT NUMBER: SCALED FROM RAB01410
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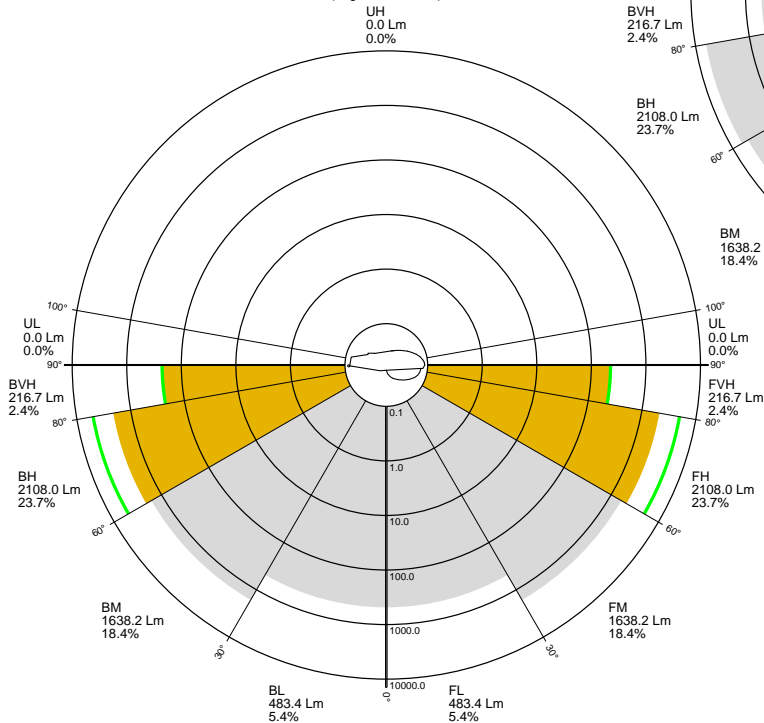
Backlight Rating Details

(Logarithmic scale)



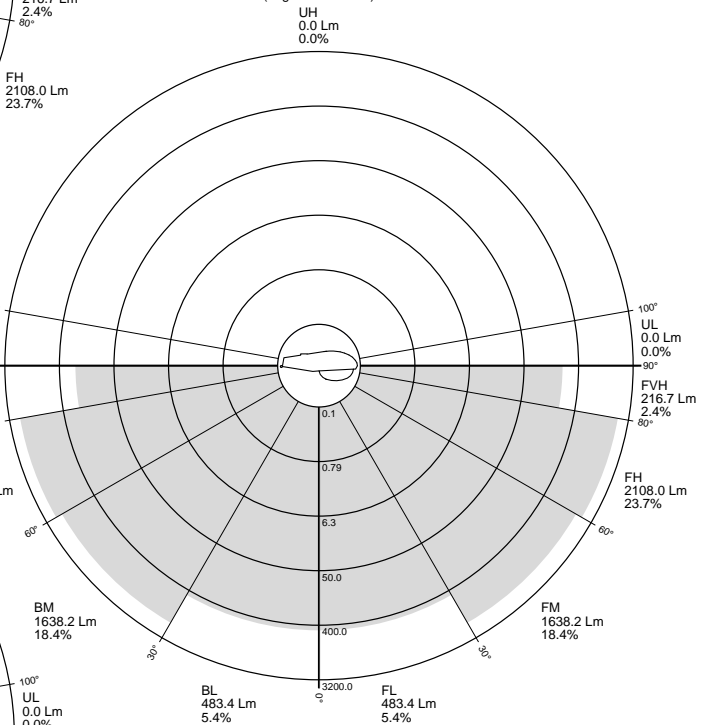
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE										
		0.0	5.0	15.0	25.0	35.0	45.0	47.5	55.0	65.0	75.0	85.0
	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	6.	6.	6.	8.	14.	17.	18.	15.	9.	6.	6.
	85.0	17.	24.	55.	185.	274.	126.	272.	275.	208.	50.	25.
	82.5	75.	117.	301.	676.	1493.	1207.	1403.	1460.	806.	259.	117.
V	80.0	704.	741.	867.	1190.	2118.	3007.	3048.	2160.	1243.	857.	757.
E	77.5	1265.	1331.	1551.	2118.	2723.	3377.	3401.	2849.	2199.	1652.	1441.
R	77.0<<	1446.	1497.	1756.	2273.	2751.	3396.	3438.	2871.	2397.	1858.	1642.
T	75.0	2125.	2134.	2326.	2502.	2806.	3077.	3097.	2874.	2634.	2460.	2321.
I	72.5	2253.	2275.	2408.	2511.	2487.	2355.	2397.	2512.	2548.	2508.	2366.
C	70.0	2229.	2242.	2256.	2235.	2089.	2061.	2086.	2121.	2254.	2284.	2244.
A	67.5	1997.	2021.	2009.	2004.	1870.	1905.	1945.	1894.	1966.	1993.	2004.
L	65.0	1763.	1801.	1765.	1857.	1793.	1751.	1747.	1791.	1849.	1752.	1776.
	62.5	1631.	1644.	1656.	1771.	1799.	1657.	1699.	1759.	1760.	1652.	1641.
A	60.0	1570.	1570.	1655.	1687.	1742.	1671.	1711.	1752.	1673.	1639.	1562.
N	57.5	1549.	1528.	1629.	1587.	1713.	1716.	1758.	1705.	1601.	1672.	1522.
G	55.0	1481.	1466.	1542.	1579.	1638.	1732.	1722.	1635.	1585.	1541.	1482.
L	52.5	1454.	1462.	1496.	1584.	1598.	1673.	1669.	1601.	1587.	1504.	1449.
E	50.0	1460.	1482.	1538.	1592.	1481.	1494.	1539.	1521.	1597.	1542.	1475.
	47.5	1478.	1493.	1576.	1618.	1406.	1389.	1385.	1418.	1599.	1588.	1512.
	45.0	1449.	1456.	1507.	1549.	1310.	1255.	1275.	1286.	1570.	1517.	1465.
	42.5	1368.	1371.	1402.	1369.	1233.	1184.	1204.	1230.	1357.	1438.	1371.
	40.0	1303.	1288.	1326.	1223.	1202.	1155.	1144.	1176.	1238.	1299.	1241.
	37.5	1244.	1234.	1238.	1168.	1260.	1120.	1113.	1220.	1170.	1271.	1232.
	35.0	1192.	1177.	1147.	1178.	1217.	1144.	1182.	1232.	1153.	1185.	1188.
	30.0	1181.	1164.	1120.	1120.	1175.	1336.	1329.	1195.	1156.	1148.	1153.
	25.0	1167.	1173.	1188.	1243.	1183.	1165.	1172.	1161.	1273.	1206.	1194.
	20.0	1159.	1156.	1163.	1110.	1159.	1129.	1172.	1182.	1147.	1120.	1139.
	15.0	1115.	1116.	1109.	1135.	1120.	1134.	1112.	1148.	1092.	1092.	1119.
	10.0	1112.	1115.	1093.	1092.	1093.	1057.	1056.	1045.	1051.	1069.	1093.
	5.0	1066.	1069.	1083.	1062.	1058.	1055.	1059.	1055.	1062.	1096.	1080.
	0.0	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.

||
 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	6.	6.	6.	9.	15.	17.	14.	8.	6.	6.	6.
85.0	20.	25.	50.	208.	275.	126.	274.	185.	55.	24.	17.
82.5	83.	117.	259.	806.	1460.	1207.	1493.	676.	301.	117.	75.
V 80.0	714.	757.	857.	1243.	2160.	3007.	2118.	1190.	867.	741.	704.
E 77.5	1403.	1441.	1652.	2199.	2849.	3377.	2723.	2118.	1551.	1331.	1265.
R 77.0<<	1603.	1642.	1858.	2397.	2871.	3396.	2751.	2273.	1756.	1497.	1446.
T 75.0	2294.	2321.	2460.	2634.	2874.	3077.	2806.	2502.	2326.	2134.	2125.
I 72.5	2329.	2366.	2508.	2548.	2512.	2355.	2487.	2511.	2408.	2275.	2253.
C 70.0	2218.	2244.	2284.	2254.	2121.	2061.	2089.	2235.	2256.	2242.	2229.
A 67.5	1988.	2004.	1993.	1966.	1894.	1905.	1870.	2004.	2009.	2021.	1997.
L 65.0	1745.	1776.	1752.	1849.	1791.	1751.	1793.	1857.	1765.	1801.	1763.
62.5	1627.	1641.	1652.	1760.	1759.	1657.	1799.	1771.	1656.	1644.	1631.
A 60.0	1546.	1562.	1639.	1673.	1752.	1671.	1742.	1687.	1655.	1570.	1570.
N 57.5	1543.	1522.	1672.	1601.	1705.	1716.	1713.	1587.	1629.	1528.	1549.
G 55.0	1501.	1482.	1541.	1585.	1635.	1732.	1638.	1579.	1542.	1466.	1481.
L 52.5	1468.	1449.	1504.	1587.	1601.	1673.	1598.	1584.	1496.	1462.	1454.
E 50.0	1497.	1475.	1542.	1597.	1521.	1494.	1481.	1592.	1538.	1482.	1460.
47.5	1522.	1512.	1588.	1599.	1418.	1389.	1406.	1618.	1576.	1493.	1478.
45.0	1473.	1465.	1517.	1570.	1286.	1255.	1310.	1549.	1507.	1456.	1449.
42.5	1396.	1371.	1438.	1357.	1230.	1184.	1233.	1369.	1402.	1371.	1368.
40.0	1274.	1241.	1299.	1238.	1176.	1155.	1202.	1223.	1326.	1288.	1303.
37.5	1246.	1232.	1271.	1170.	1220.	1120.	1260.	1168.	1238.	1234.	1244.
35.0	1216.	1188.	1185.	1153.	1232.	1144.	1217.	1178.	1147.	1177.	1192.
30.0	1168.	1153.	1148.	1156.	1195.	1336.	1175.	1120.	1120.	1164.	1181.
25.0	1200.	1194.	1206.	1273.	1161.	1165.	1183.	1243.	1188.	1173.	1167.
20.0	1144.	1139.	1120.	1147.	1182.	1129.	1159.	1110.	1163.	1156.	1159.
15.0	1124.	1119.	1092.	1092.	1148.	1134.	1120.	1135.	1109.	1116.	1115.
10.0	1094.	1093.	1069.	1051.	1045.	1057.	1093.	1092.	1093.	1115.	1112.
5.0	1075.	1080.	1096.	1062.	1055.	1055.	1058.	1062.	1083.	1069.	1066.
0.0	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.	1096.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	26
5- 10	77
10- 15	131
15- 20	187
20- 25	247
25- 30	300
30- 35	346
35- 40	404
40- 45	494
45- 50	605
50- 55	675
55- 60	752
60- 65	834
65- 70	1003
70- 75	1262
75- 80	1118
80- 85	411
85- 90	22
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	103
0- 20	421
0- 30	967
0- 40	1717
0- 50	2816
0- 60	4243
0- 70	6080
0- 80	8459
0- 90	8893
0-100	8893
0-110	8893
0-120	8893
0-130	8893
0-140	8893
0-150	8893
0-160	8893
0-170	8893
0-180	8893