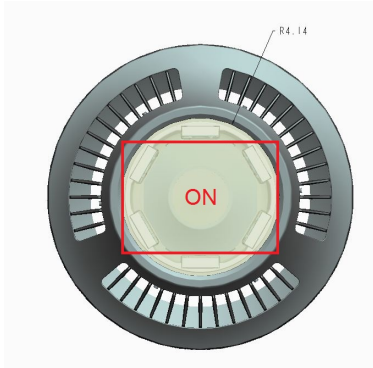


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 12 foot mounting height.



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 CATALOG NUMBER: CLED78 or PLED78/BL_4
 (w/ center reflector & clear flat glass lens - ceiling or pendent mount)

LUMINAIRE: CAST 2-PIECE BROWN PAINTED FINNED METAL HOUSING, 4 CAST METAL HEAT SINKS/CIRCUIT BOARD MOUNTING BRACKETS, 4 CIRCUIT BOARDS EACH WITH 1 LED AND MOLDED PLASTIC CIRCUIT BOARD PERIMETER OVERLAY WITH SPECULAR FINISH, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME.

LAMPS: FOUR WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), AIMED AT THE HORIZON.

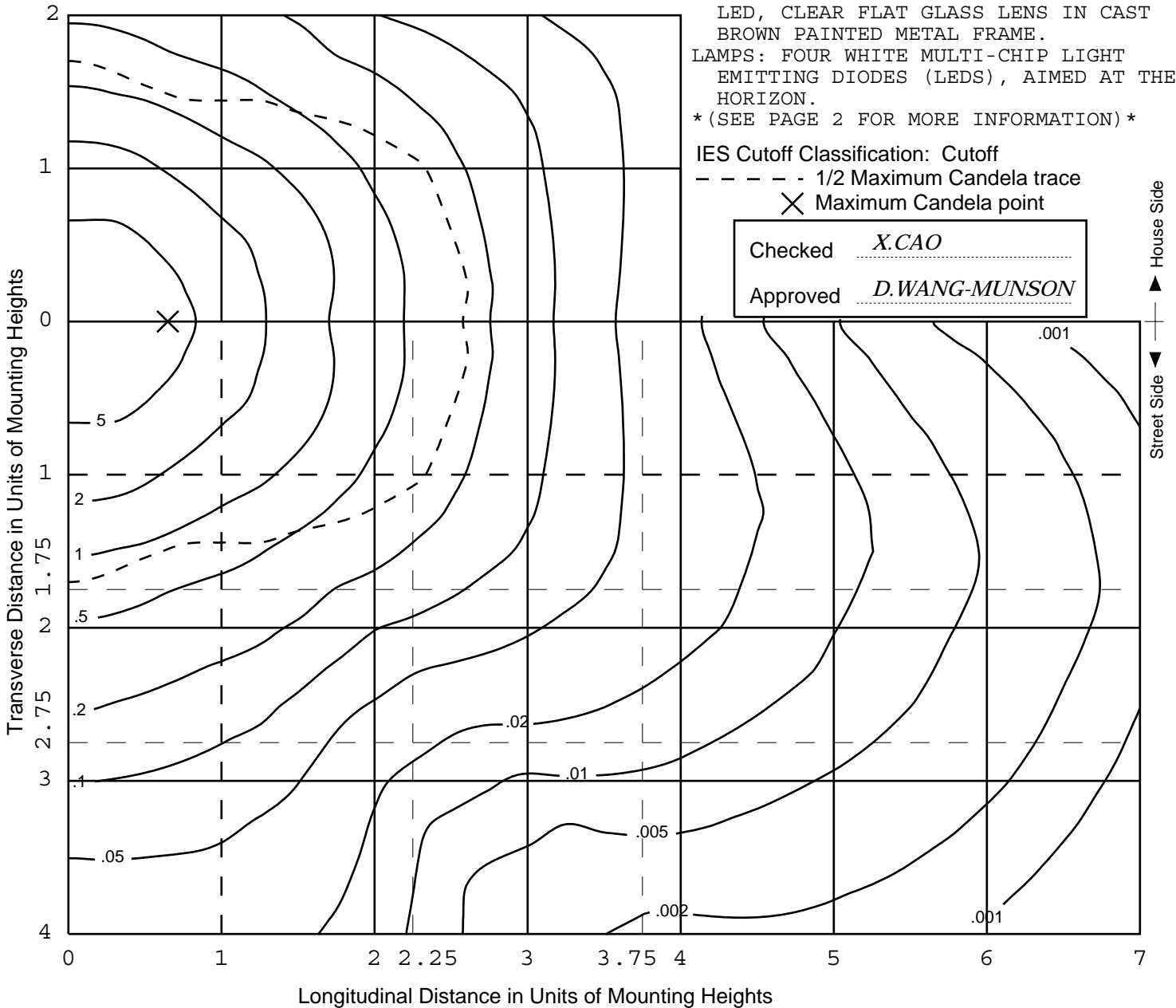
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Cutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point

Checked	<i>X.CAO</i>
Approved	<i>D.WANG-MUNSON</i>



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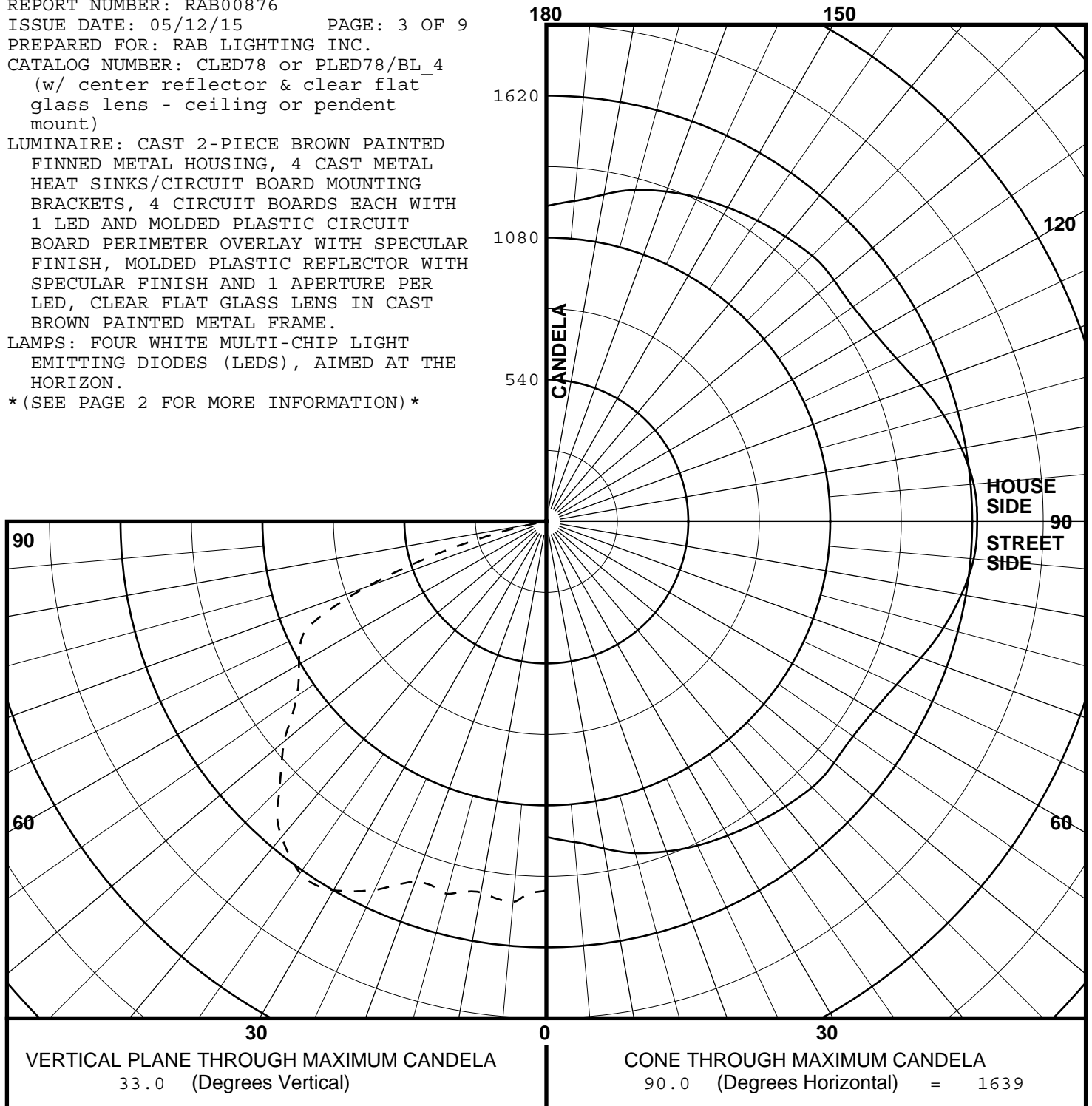
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ADDITIONAL INFORMATION

TOTAL INPUT WATTS = 59.796 AT 277.0 VOLTS
LED DRIVERS: TWO RAB RD26S
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
VOLTAGE TO THE LED DRIVERS.
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 28.25 FEET
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

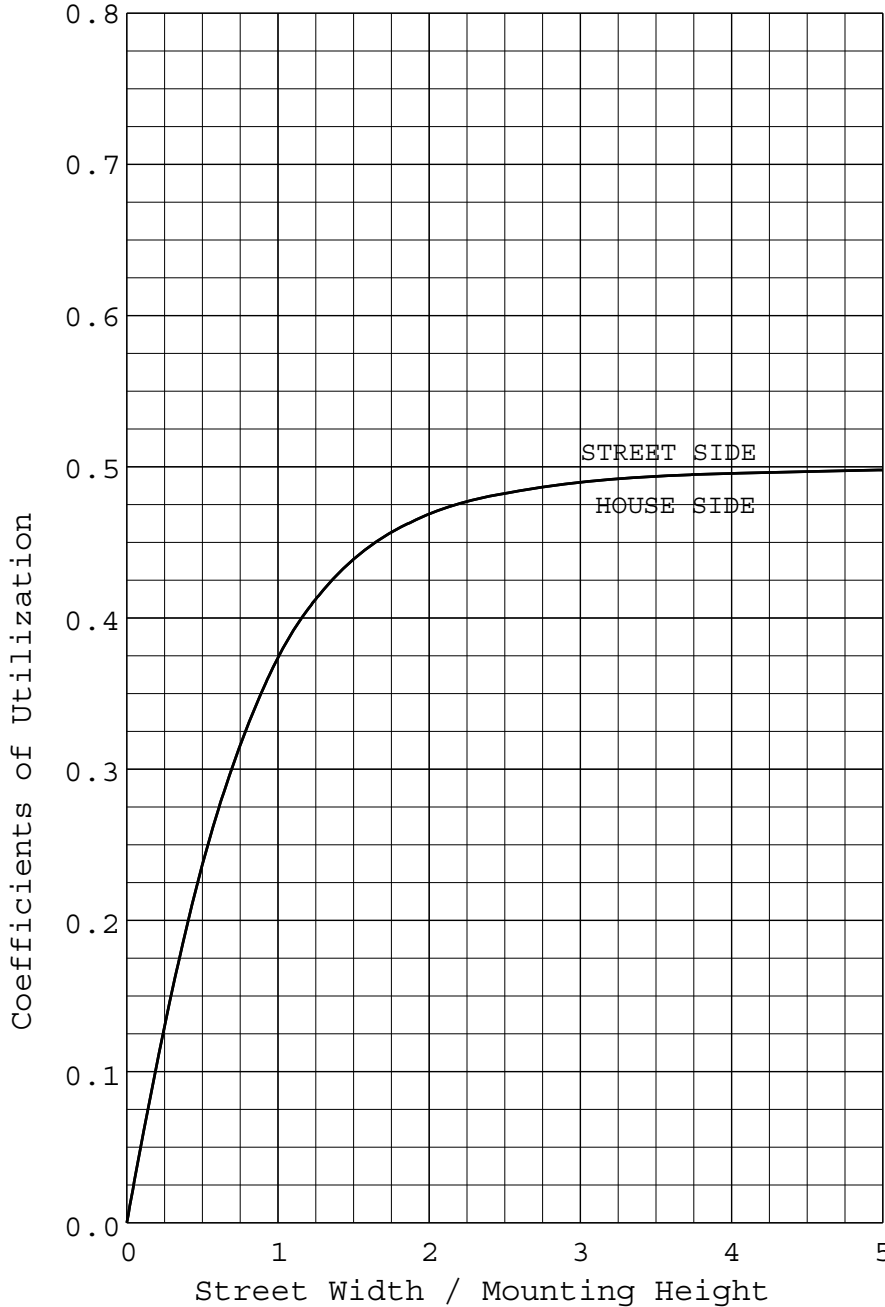
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 LAMPS: FOUR WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), AIMED AT THE HORIZON.
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2564.	50.0
DOWNWARD HOUSE SIDE	2564.	50.0
DOWNWARD TOTAL	5129.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	1.	0.0
TOTAL FLUX	5130.	100.0
TOTAL INPUT WATTS = 59.8		
EFFICACY = 85.8 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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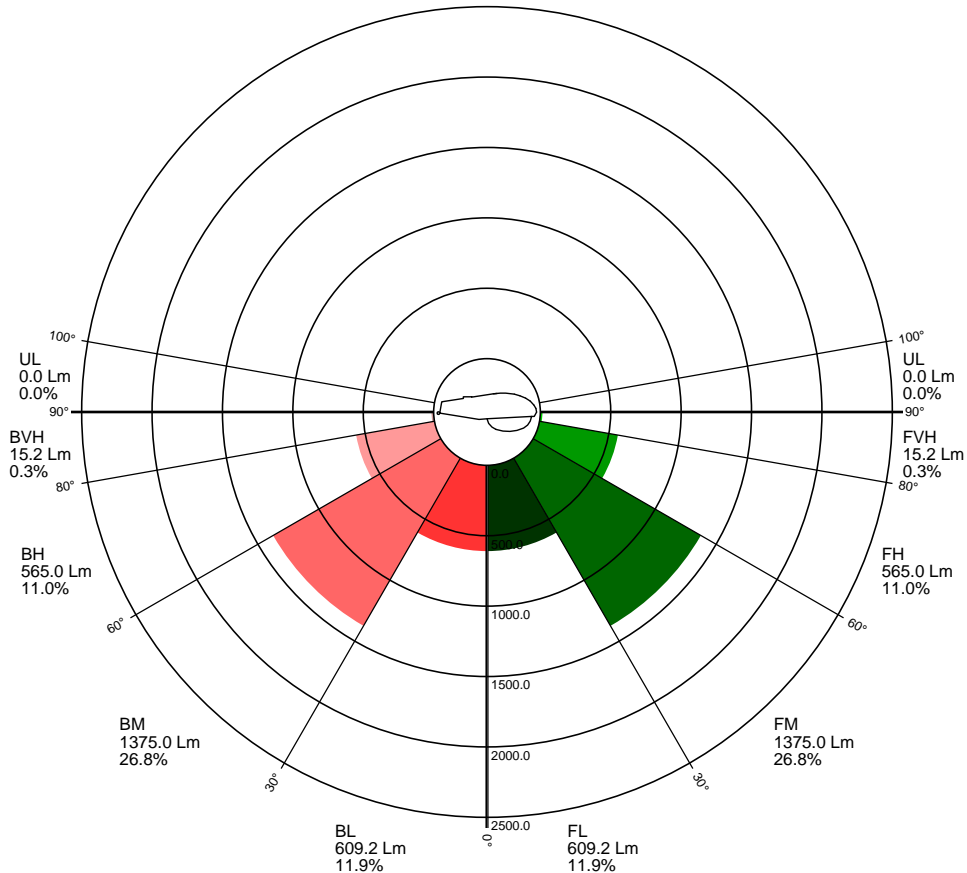
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BUG Rating:			B2	U1	G1	
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		2564	50.0			
FL	(0° - 30°)	609.2	11.9			
FM	(30° - 60°)	1375.0	26.8			
FH	(60° - 80°)	565.0	11.0			G0
FVH	(80° - 90°)	15.2	0.3			G1
Backward		2564	50.0			
BL	(0° - 30°)	609.2	11.9	B2		
BM	(30° - 60°)	1375.0	26.8	B2		
BH	(60° - 80°)	565.0	11.0	B2		G0
BVH	(80° - 90°)	15.2	0.3			G1
Upward		1	0.0			
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.8	0.0		U1	
Trapped Light		0	0.0			
Total Flux		5130	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.8 Lm
0.0%

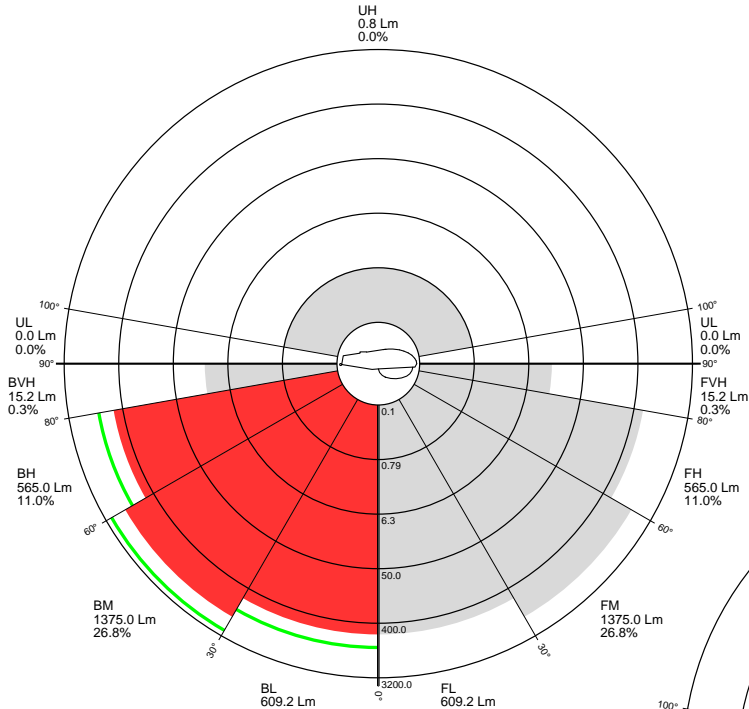


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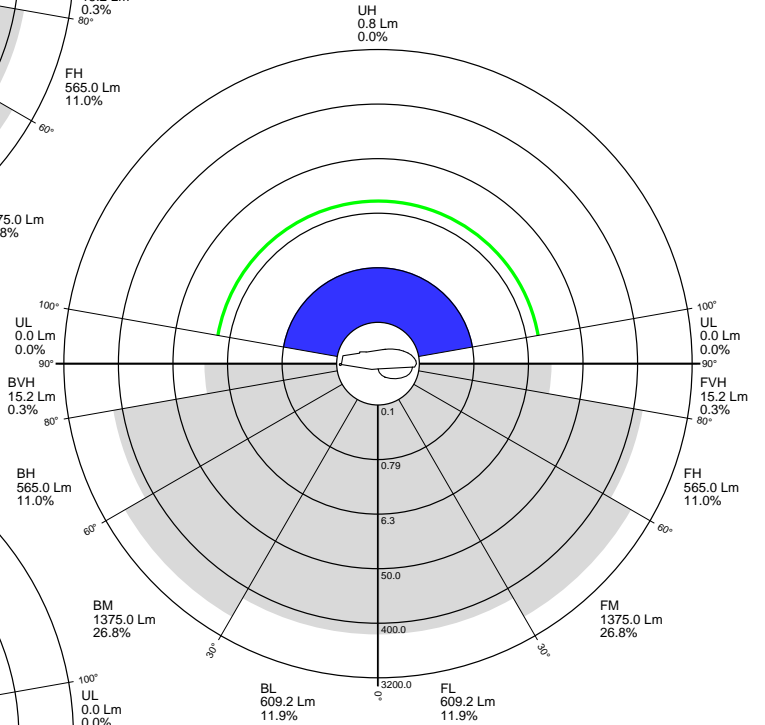
Backlight Rating Details

(Logarithmic scale)



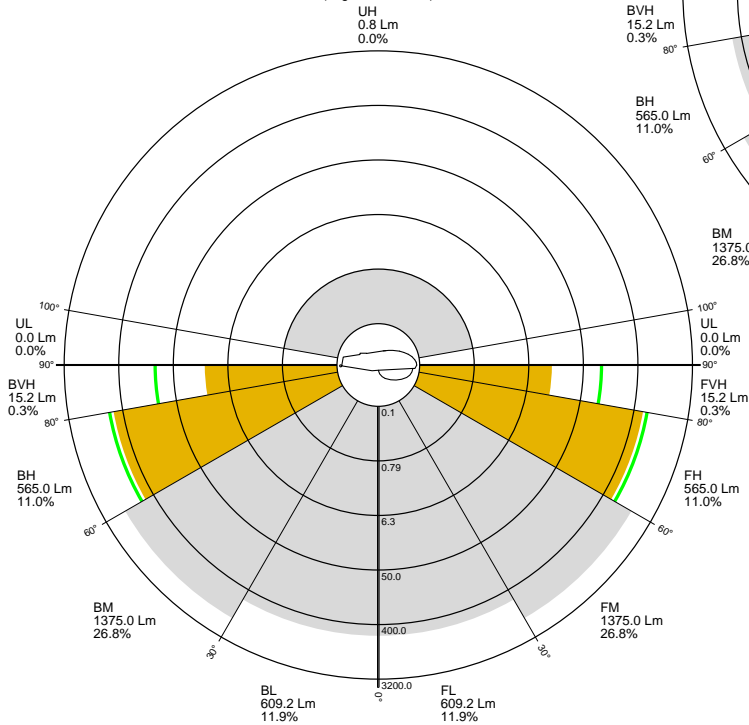
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	LATERAL ANGLE										
	STREET SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	180.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	175.0	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.
	165.0	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.
	155.0	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
	145.0	1.	1.	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	3.	2.	2.	2.	2.	2.	3.	2.	2.	2.
	85.0	14.	12.	8.	7.	7.	7.	11.	11.	9.	7.
	82.5	44.	42.	50.	33.	14.	20.	34.	47.	54.	33.
V	80.0	82.	136.	235.	103.	30.	40.	114.	204.	233.	100.
E	77.5	171.	212.	321.	209.	60.	81.	233.	353.	343.	204.
R	75.0	299.	321.	347.	269.	128.	155.	360.	504.	414.	334.
T	72.5	432.	422.	410.	371.	250.	290.	478.	633.	572.	535.
I	70.0	545.	514.	467.	455.	411.	426.	606.	747.	735.	759.
C	67.5	630.	607.	529.	524.	548.	560.	744.	865.	891.	926.
A	65.0	691.	690.	601.	585.	661.	704.	874.	975.	1038.	1051.
L	62.5	750.	750.	696.	675.	760.	854.	1001.	1104.	1162.	1128.
	60.0	808.	806.	781.	765.	831.	956.	1089.	1194.	1237.	1163.
A	57.5	864.	861.	839.	845.	877.	986.	1119.	1230.	1268.	1185.
N	55.0	921.	915.	902.	911.	929.	966.	1140.	1251.	1246.	1219.
G	52.5	981.	975.	975.	970.	977.	957.	1101.	1217.	1220.	1264.
L	50.0	1036.	1027.	1041.	1029.	1025.	1008.	1078.	1192.	1249.	1304.
E	47.5	1075.	1075.	1094.	1094.	1082.	1064.	1120.	1226.	1303.	1362.
	45.0	1104.	1116.	1145.	1156.	1142.	1132.	1171.	1264.	1368.	1431.
	42.5	1124.	1138.	1191.	1209.	1204.	1211.	1232.	1325.	1437.	1492.
	40.0	1144.	1157.	1236.	1257.	1265.	1278.	1286.	1371.	1490.	1551.
	37.5	1167.	1180.	1266.	1300.	1322.	1343.	1333.	1411.	1531.	1596.
	35.0	1189.	1203.	1290.	1337.	1369.	1393.	1383.	1443.	1551.	1625.
	33.0 <<	1200.	1224.	1306.	1360.	1398.	1430.	1424.	1469.	1564.	1632.
	30.0	1238.	1260.	1326.	1380.	1422.	1468.	1481.	1492.	1562.	1612.
	25.0	1339.	1334.	1356.	1393.	1430.	1488.	1508.	1507.	1518.	1542.
	20.0	1394.	1404.	1419.	1400.	1414.	1466.	1469.	1477.	1479.	1462.
	15.0	1434.	1436.	1454.	1437.	1430.	1454.	1448.	1444.	1456.	1465.
	10.0	1471.	1469.	1466.	1433.	1423.	1443.	1448.	1455.	1449.	1437.
	5.0	1442.	1443.	1442.	1435.	1432.	1438.	1441.	1459.	1460.	1454.
	0.0	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.

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	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	175.0	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.
	165.0	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.
	155.0	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.
	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	2.	2.	2.	2.	3.	2.	2.	2.	2.	3.
	85.0	7.	7.	9.	11.	11.	7.	7.	7.	8.	12.
	82.5	16.	33.	54.	47.	34.	20.	14.	33.	50.	42.
V	80.0	50.	100.	233.	204.	114.	40.	30.	103.	235.	136.
E	77.5	146.	204.	343.	353.	233.	81.	60.	209.	321.	212.
R	75.0	310.	334.	414.	504.	360.	155.	128.	269.	347.	321.
T	72.5	516.	535.	572.	633.	478.	290.	250.	371.	410.	422.
I	70.0	728.	759.	735.	747.	606.	426.	411.	455.	467.	514.
C	67.5	913.	926.	891.	865.	744.	560.	548.	524.	529.	607.
A	65.0	1022.	1051.	1038.	975.	874.	704.	661.	585.	601.	690.
L	62.5	1059.	1128.	1162.	1104.	1001.	854.	760.	675.	696.	750.
	60.0	1087.	1163.	1237.	1194.	1089.	956.	831.	765.	781.	806.
A	57.5	1117.	1185.	1268.	1230.	1119.	986.	877.	845.	839.	861.
N	55.0	1159.	1219.	1246.	1251.	1140.	966.	929.	911.	902.	915.
G	52.5	1221.	1264.	1220.	1217.	1101.	957.	977.	970.	975.	981.
L	50.0	1303.	1304.	1249.	1192.	1078.	1008.	1025.	1029.	1041.	1027.
E	47.5	1366.	1362.	1303.	1226.	1120.	1064.	1082.	1094.	1094.	1075.
	45.0	1435.	1431.	1368.	1264.	1171.	1132.	1142.	1156.	1145.	1116.
	42.5	1516.	1492.	1437.	1325.	1232.	1211.	1204.	1209.	1191.	1138.
	40.0	1567.	1551.	1490.	1371.	1286.	1278.	1265.	1257.	1236.	1157.
	37.5	1604.	1596.	1531.	1411.	1333.	1343.	1322.	1300.	1266.	1180.
	35.0	1633.	1625.	1551.	1443.	1383.	1393.	1369.	1337.	1290.	1203.
	33.0 <<	1639.	1632.	1564.	1469.	1424.	1430.	1398.	1360.	1306.	1224.
	30.0	1620.	1612.	1562.	1492.	1481.	1468.	1422.	1380.	1326.	1260.
	25.0	1547.	1542.	1518.	1507.	1508.	1488.	1430.	1393.	1356.	1334.
	20.0	1458.	1462.	1479.	1477.	1469.	1466.	1414.	1400.	1419.	1404.
	15.0	1466.	1465.	1456.	1444.	1448.	1454.	1430.	1437.	1454.	1436.
	10.0	1433.	1437.	1449.	1455.	1448.	1443.	1423.	1433.	1466.	1469.
	5.0	1453.	1454.	1460.	1459.	1441.	1438.	1432.	1435.	1442.	1443.
	0.0	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.	1404.
		PLANE OF MAXIMUM CANDELA									
		CONE OF MAXIMUM CANDELA									

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	34
5- 10	104
10- 15	172
15- 20	238
20- 25	304
25- 30	367
30- 35	419
35- 40	454
40- 45	470
45- 50	468
50- 55	468
55- 60	471
60- 65	435
65- 70	347
70- 75	230
75- 80	118
80- 85	29
85- 90	2
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	138
0- 20	547
0- 30	1218
0- 40	2092
0- 50	3030
0- 60	3968
0- 70	4750
0- 80	5098
0- 90	5129
0-100	5129
0-110	5129
0-120	5129
0-130	5129
0-140	5129
0-150	5129
0-160	5129
0-170	5130
0-180	5130