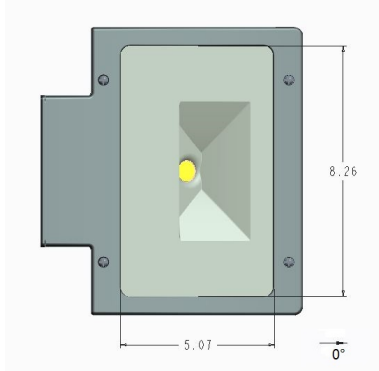


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 15 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLED18
 (WALLPACK) - ALED18 (AREA LIGHTER)

LUMINAIRE: CAST FINNED METAL HOUSING,
 MACHINED METAL HEAT SINK, 1 CIRCUIT
 BOARD WITH 1 LED, MOLDED PLASTIC
 REFLECTOR WITH SEMI-SPECULAR FINISH,
 CLEAR FLAT GLASS LENS IN CAST BROWN
 PAINTED METAL FRAME.

LAMP: ONE WHITE MULTI-CHIP LIGHT
 EMITTING DIODE (LED), TILTED
 33-DEGREES FROM VERTICAL BASE-UP
 POSITION.

TOTAL INPUT WATTS = 20.9 AT 277.0
 VOLTS

LED DRIVERS: RD12-36-A0500

(SEE PAGE 2 FOR MORE INFORMATION)

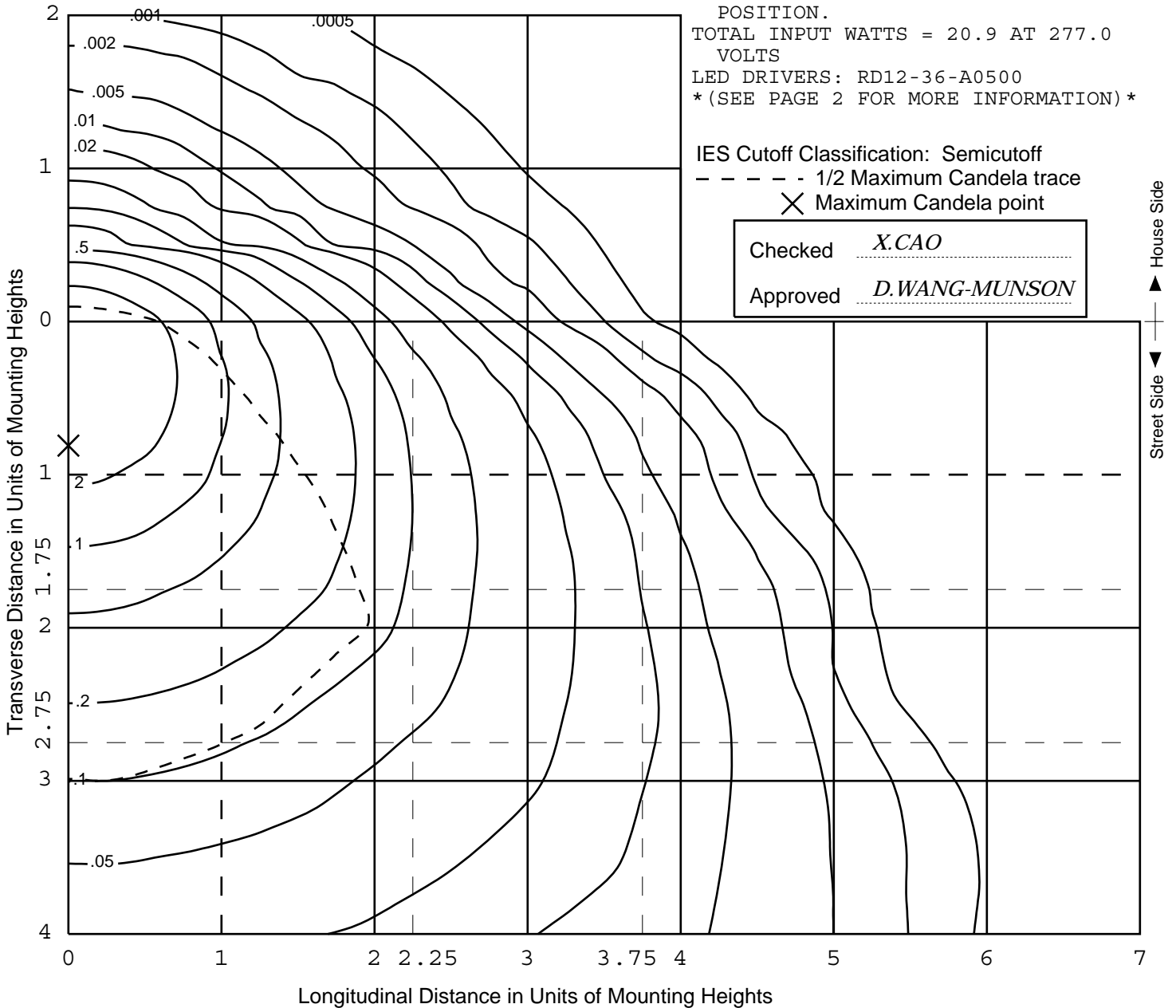
IES Cutoff Classification: Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked *X.CAO*

Approved *D.WANG-MUNSON*



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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02647 WHICH WAS WPLED18Y -
ALED18Y. ACTUAL PERFORMANCE MAY VARY. INPUT VOLTAGE TO THE LED
DRIVERS.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 28.25 FEET

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 CATALOG NUMBER: WPLED18
 (WALLPACK) - ALED18 (AREA LIGHTER)

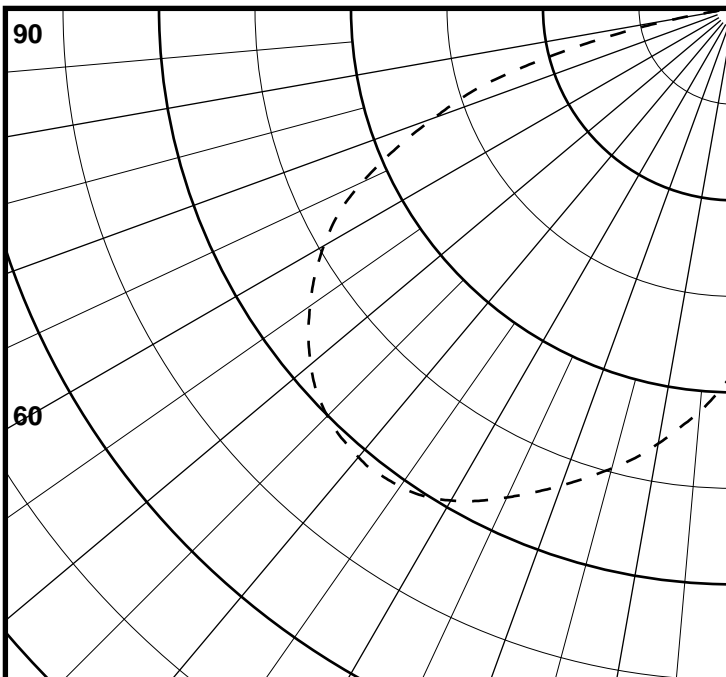
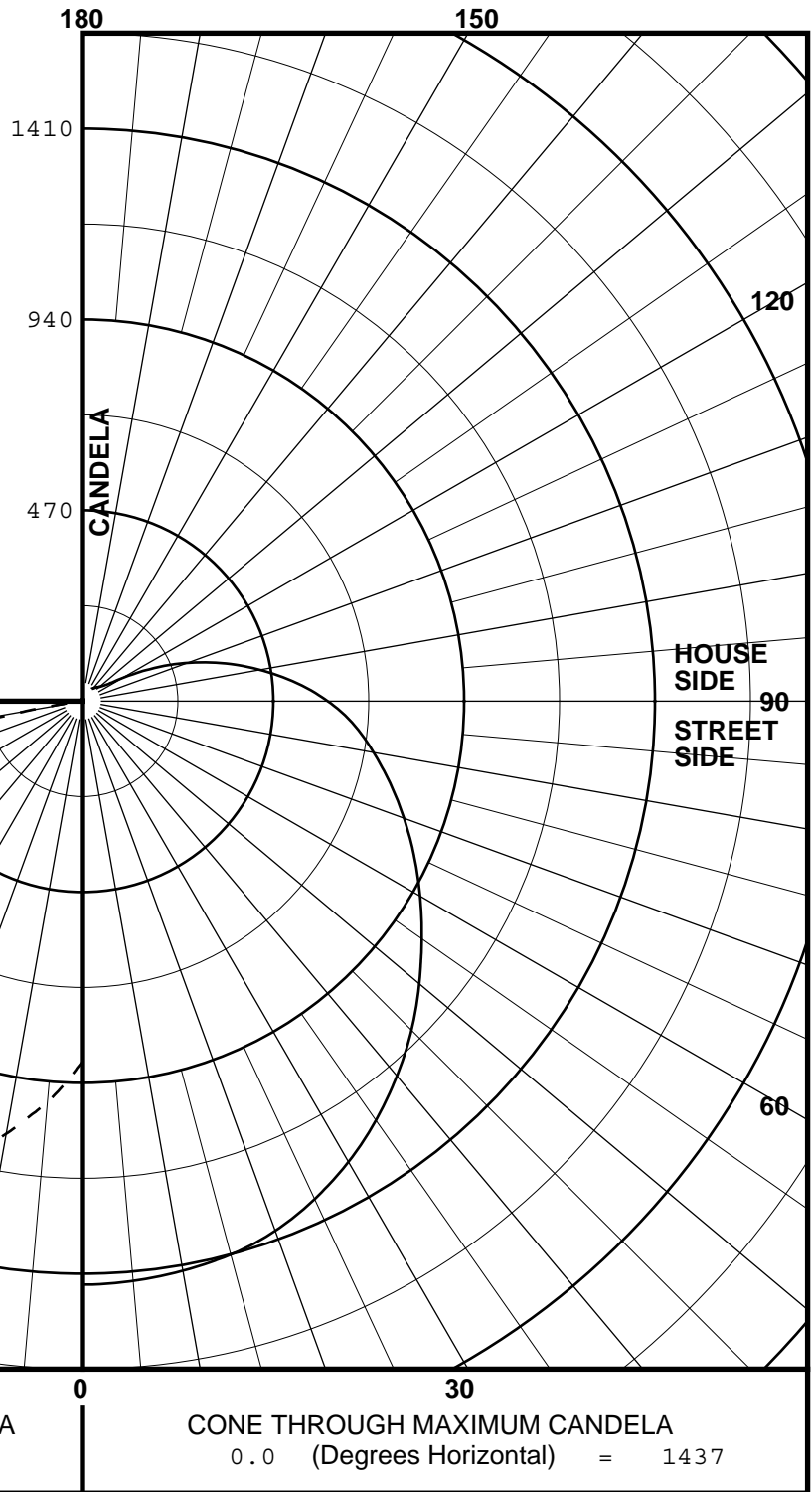
LUMINAIRE: CAST FINNED METAL HOUSING,
 MACHINED METAL HEAT SINK, 1 CIRCUIT
 BOARD WITH 1 LED, MOLDED PLASTIC
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 CLEAR FLAT GLASS LENS IN CAST BROWN
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 POSITION.

TOTAL INPUT WATTS = 20.9 AT 277.0
 VOLTS

LED DRIVERS: RD12-36-A0500

(SEE PAGE 2 FOR MORE INFORMATION)



30 0
 VERTICAL PLANE THROUGH MAXIMUM CANDELA
 39.0 (Degrees Vertical)

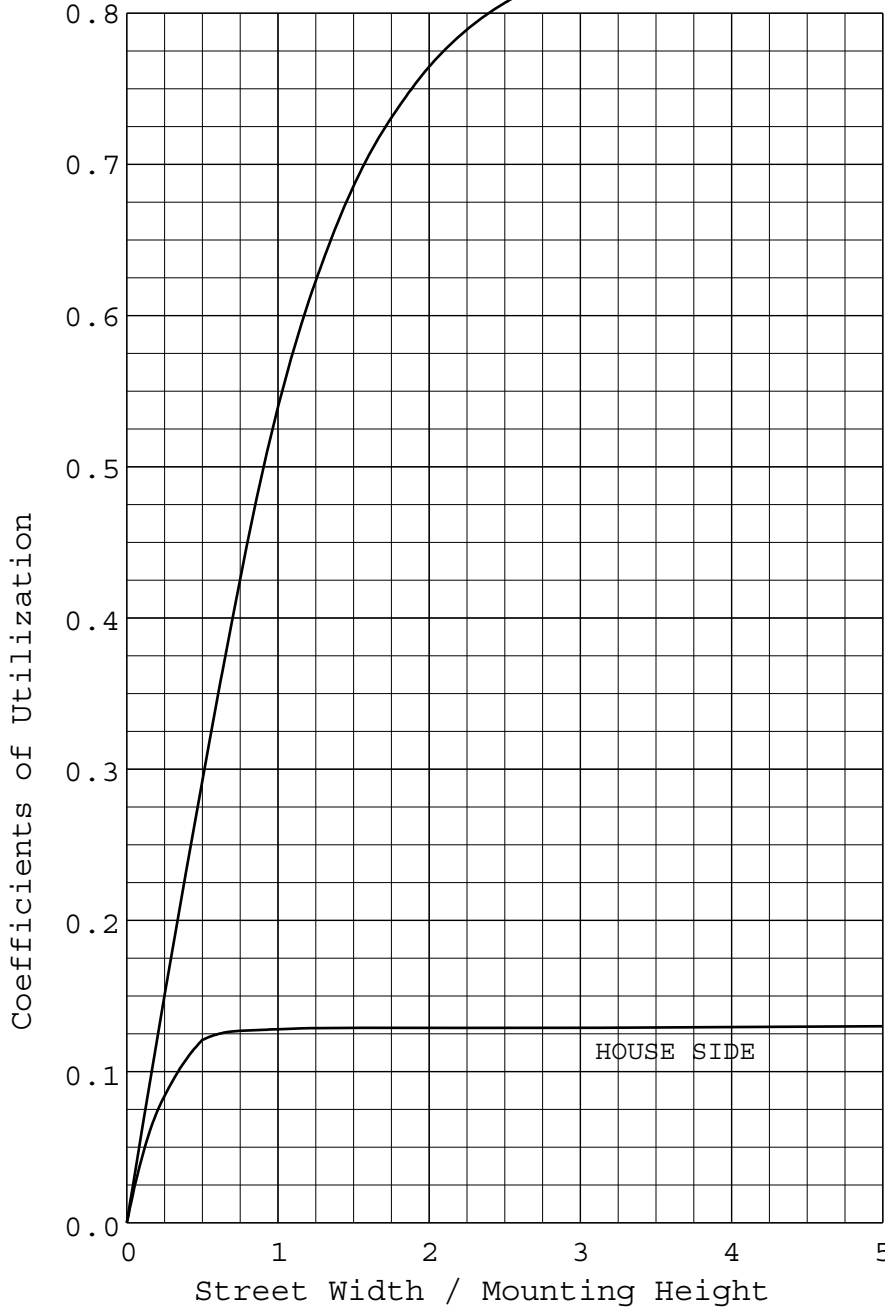
30 0
 CONE THROUGH MAXIMUM CANDELA
 0.0 (Degrees Horizontal) = 1437

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STREET SIDE

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2181.	87.0
DOWNWARD HOUSE SIDE	327.	13.0
DOWNWARD TOTAL	2508.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	2508.	100.0

TOTAL INPUT WATTS = 20.9
 EFFICACY = 120.0 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.

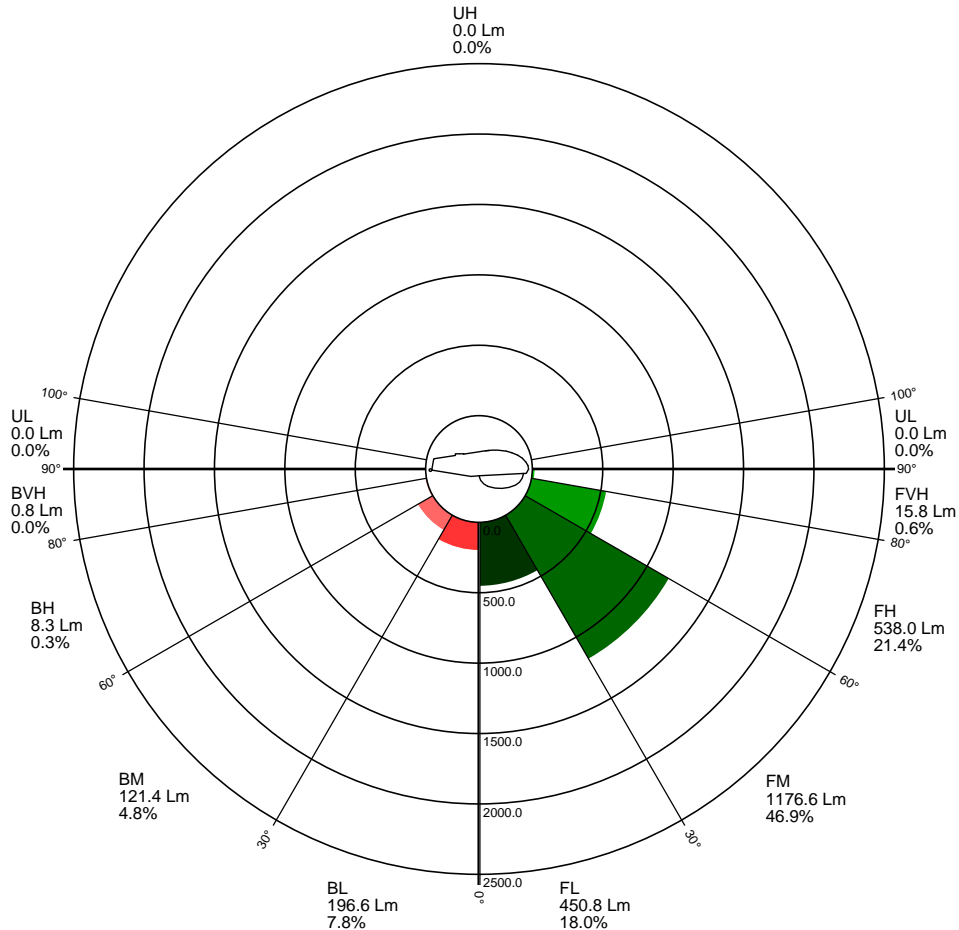
REPORT NUMBER: PRORATED FROM RAB02647
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BUG Rating:			B1	U0	G1
Zonal Summary		Lumens	% of Fixture		
			Zone Ratings		
			B	U	G
Forward		2181			
FL	(0° - 30°)	450.8			
FM	(30° - 60°)	1176.6			
FH	(60° - 80°)	538.0			G0
FVH	(80° - 90°)	15.8			G1
Backward		327			
BL	(0° - 30°)	196.6	B1		
BM	(30° - 60°)	121.4	B0		
BH	(60° - 80°)	8.3	B0		G0
BVH	(80° - 90°)	0.8			G0
Upward		0			
UL	(90° - 100°)	0.0		U0	
UH	(100° - 180°)	0.0		U0	
Trapped Light		0			
Total Flux		2508			

Zonal Lumen Summary

(Linear scale)

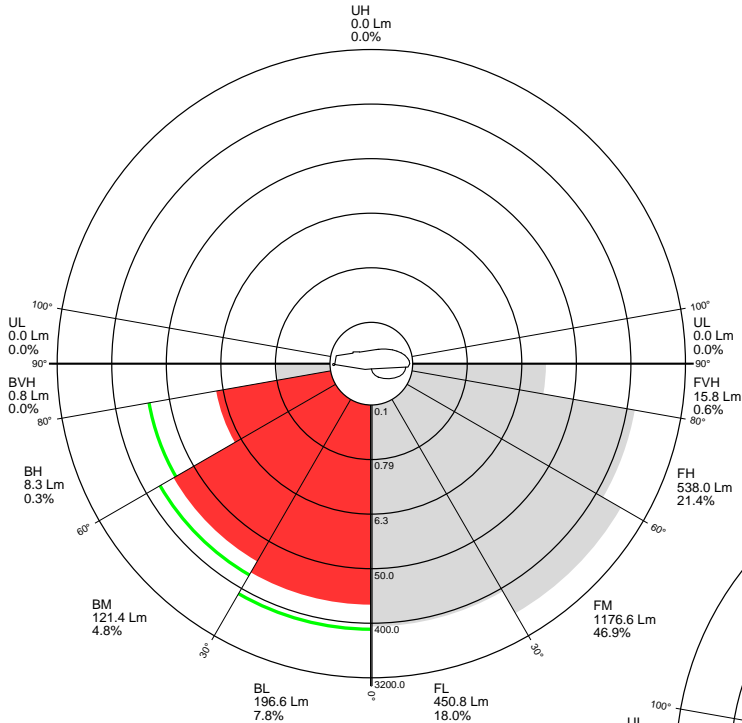


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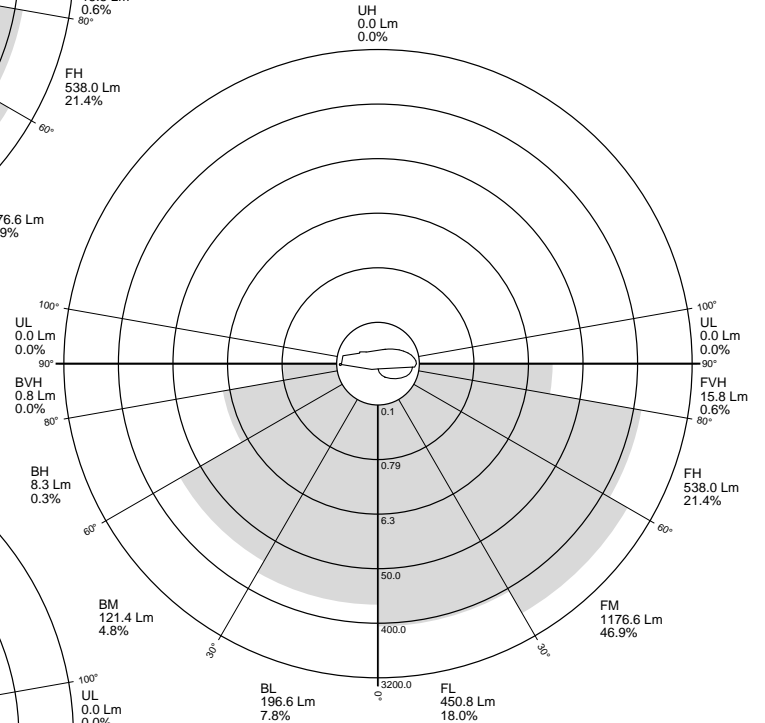
Backlight Rating Details

(Logarithmic scale)



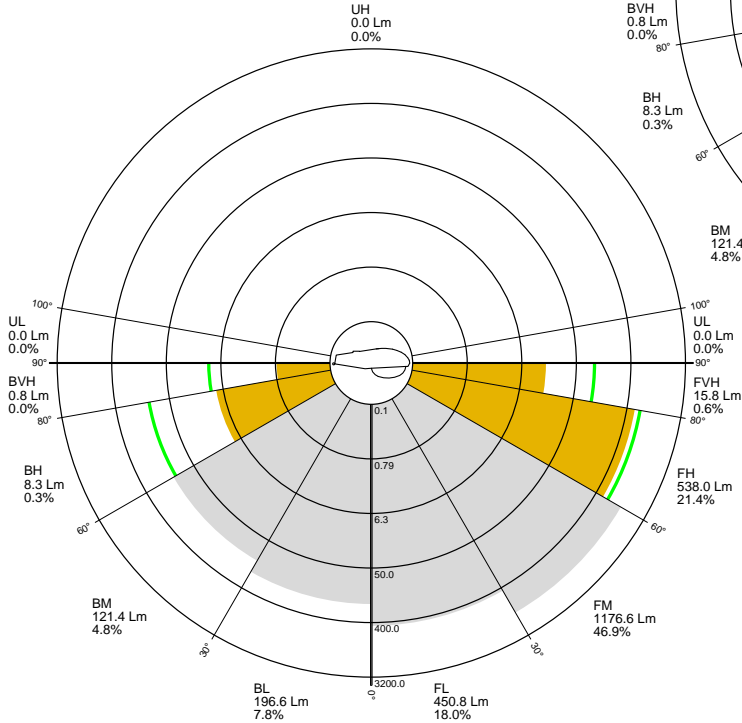
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE		LATERAL ANGLE							
	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	4.	6.	6.	6.	6.	6.	4.	3.	2.	2.
85.0	14.	14.	13.	14.	16.	16.	8.	4.	3.	2.
82.5	36.	38.	37.	50.	73.	106.	24.	8.	3.	3.
V 80.0	143.	153.	156.	193.	222.	254.	133.	28.	7.	3.
E 77.5	316.	328.	333.	376.	385.	376.	274.	120.	28.	6.
R 75.0	504.	517.	516.	542.	510.	475.	348.	229.	97.	18.
T 72.5	674.	681.	665.	657.	611.	622.	425.	293.	171.	53.
I 70.0	784.	788.	772.	769.	735.	732.	531.	358.	226.	95.
C 67.5	900.	906.	889.	882.	846.	799.	626.	439.	283.	143.
A 65.0	1008.	1012.	994.	977.	925.	853.	686.	519.	350.	196.
L 62.5	1098.	1099.	1075.	1047.	987.	901.	736.	569.	408.	251.
60.0	1163.	1162.	1142.	1109.	1044.	946.	780.	613.	453.	304.
A 57.5	1221.	1220.	1199.	1163.	1091.	987.	819.	653.	497.	355.
N 55.0	1270.	1269.	1249.	1212.	1132.	1021.	856.	691.	537.	401.
G 52.5	1317.	1315.	1296.	1258.	1169.	1052.	891.	732.	580.	446.
L 50.0	1357.	1354.	1335.	1298.	1201.	1079.	924.	773.	623.	491.
E 47.5	1390.	1386.	1370.	1325.	1227.	1101.	953.	812.	667.	535.
45.0	1412.	1410.	1391.	1344.	1246.	1115.	978.	842.	706.	578.
42.5	1426.	1423.	1403.	1352.	1255.	1127.	997.	869.	742.	618.
40.0	1435.	1433.	1410.	1354.	1260.	1141.	1014.	893.	773.	658.
39.0<<	1437.	1434.	1412.	1354.	1261.	1146.	1021.	901.	785.	673.
37.5	1436.	1433.	1409.	1351.	1261.	1151.	1028.	913.	802.	694.
35.0	1430.	1426.	1401.	1343.	1260.	1158.	1042.	933.	829.	727.
30.0	1392.	1387.	1363.	1313.	1242.	1152.	1057.	964.	870.	781.
25.0	1321.	1317.	1298.	1256.	1200.	1131.	1056.	977.	899.	821.
20.0	1243.	1240.	1227.	1197.	1157.	1105.	1047.	984.	923.	855.
15.0	1166.	1162.	1154.	1132.	1104.	1065.	1023.	978.	931.	877.
10.0	1083.	1079.	1075.	1060.	1043.	1020.	994.	964.	931.	892.
5.0	991.	988.	987.	979.	972.	959.	947.	930.	913.	892.
0.0	887.	887.	887.	887.	887.	887.	887.	887.	887.	887.
	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.
	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	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.
	85.0	2.	2.	2.	2.	2.	2.	1.	1.	1.	0.
	82.5	3.	2.	2.	2.	2.	2.	1.	1.	1.	0.
V	80.0	3.	3.	2.	2.	2.	2.	1.	1.	1.	0.
E	77.5	4.	3.	3.	2.	2.	2.	1.	1.	1.	0.
R	75.0	7.	4.	3.	3.	2.	2.	1.	1.	1.	0.
T	72.5	17.	9.	4.	3.	2.	2.	2.	1.	1.	1.
I	70.0	43.	15.	5.	4.	3.	2.	2.	1.	1.	1.
C	67.5	81.	33.	7.	5.	4.	3.	2.	2.	2.	2.
A	65.0	128.	65.	12.	6.	5.	3.	3.	2.	2.	2.
L	62.5	178.	106.	16.	8.	6.	5.	4.	4.	3.	3.
	60.0	231.	152.	24.	11.	8.	6.	5.	5.	4.	4.
A	57.5	282.	198.	45.	13.	11.	8.	7.	6.	6.	5.
N	55.0	330.	245.	77.	17.	13.	11.	8.	8.	7.	7.
G	52.5	378.	292.	115.	23.	15.	13.	12.	11.	9.	9.
L	50.0	421.	338.	157.	31.	18.	16.	15.	14.	13.	12.
E	47.5	464.	384.	202.	50.	22.	20.	19.	17.	16.	15.
	45.0	506.	423.	249.	81.	33.	24.	23.	22.	20.	19.
	42.5	547.	465.	295.	124.	42.	30.	28.	27.	25.	24.
	40.0	590.	509.	341.	171.	59.	43.	35.	33.	33.	32.
	39.0<<	604.	527.	361.	192.	70.	48.	38.	36.	35.	35.
	37.5	629.	551.	392.	224.	94.	56.	43.	40.	39.	39.
	35.0	664.	591.	438.	280.	141.	70.	61.	48.	47.	46.
	30.0	724.	663.	526.	389.	258.	152.	96.	81.	78.	75.
	25.0	772.	720.	605.	488.	382.	279.	208.	152.	125.	112.
	20.0	815.	772.	677.	585.	499.	415.	355.	297.	266.	246.
	15.0	845.	812.	743.	673.	613.	550.	504.	460.	436.	420.
	10.0	871.	848.	803.	759.	718.	678.	649.	622.	608.	597.
	5.0	882.	871.	850.	830.	813.	793.	781.	765.	761.	754.
	0.0	887.	887.	887.	887.	887.	887.	887.	887.	887.	887.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	21
5- 10	62
10- 15	99
15- 20	130
20- 25	156
25- 30	179
30- 35	199
35- 40	214
40- 45	223
45- 50	227
50- 55	223
55- 60	213
60- 65	195
65- 70	164
70- 75	121
75- 80	66
80- 85	15
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	83
0- 20	312
0- 30	647
0- 40	1060
0- 50	1510
0- 60	1945
0- 70	2304
0- 80	2492
0- 90	2508
0-100	2508
0-110	2508
0-120	2508
0-130	2508
0-140	2508
0-150	2508
0-160	2508
0-170	2508
0-180	2508