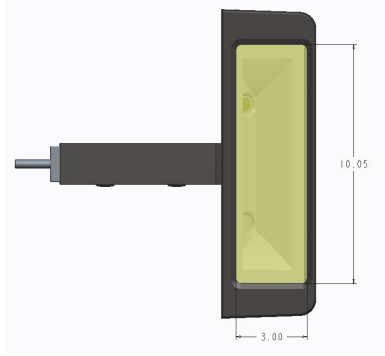


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 11/07/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDFC80N/480,
 WPLEDFC80N/480 (0-DEGREE UPTILT -
 FULL CUTOFF)

LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH AND 1 OPTICAL
 COMPARTMENT WITH 1 APERTURE PER LED,
 CLEAR FLAT GLASS LENS IN CAST BROWN
 PAINTED METAL FRAME.

LAMPS: TWO WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.

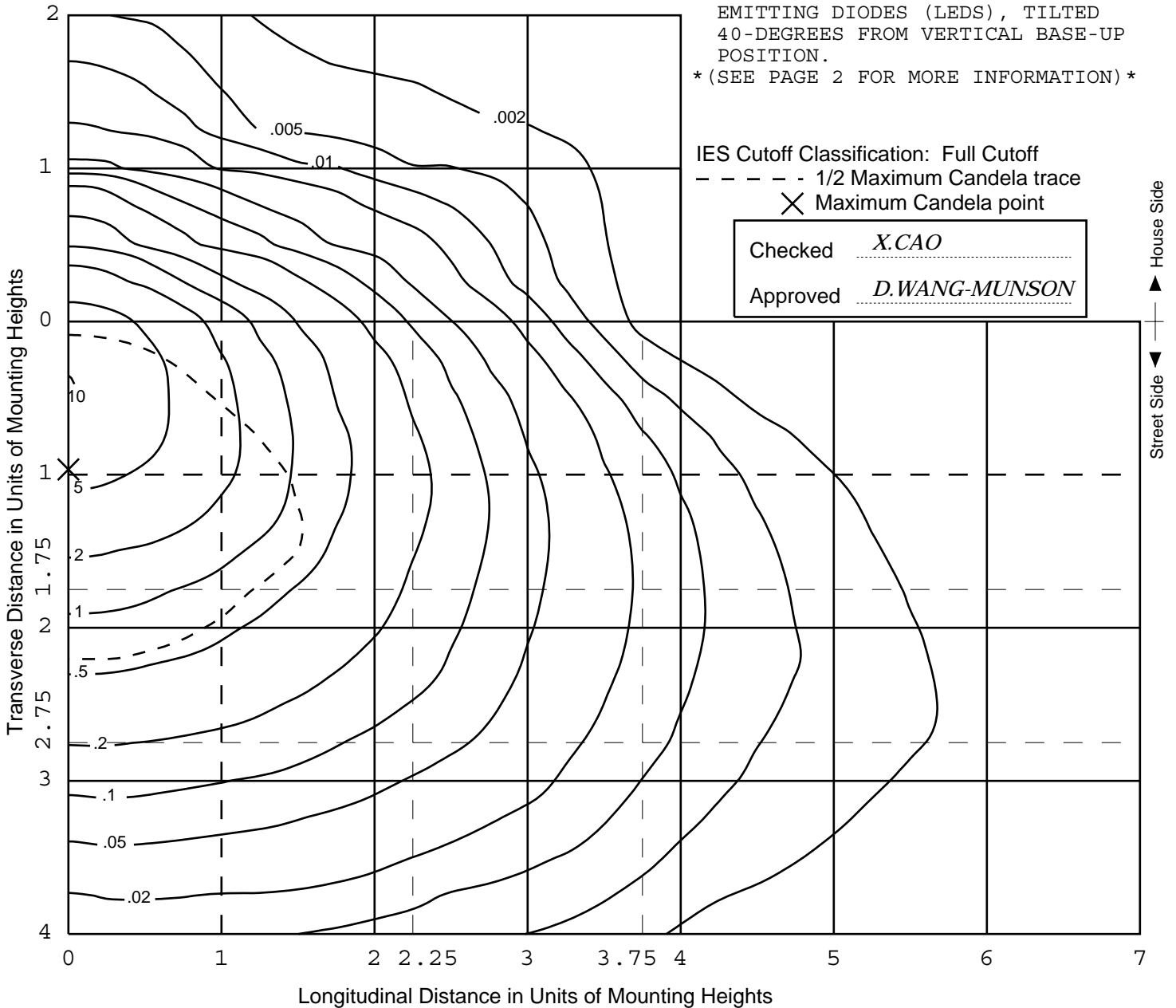
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

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



REPORT NUMBER: PRORATED FROM RAB02588
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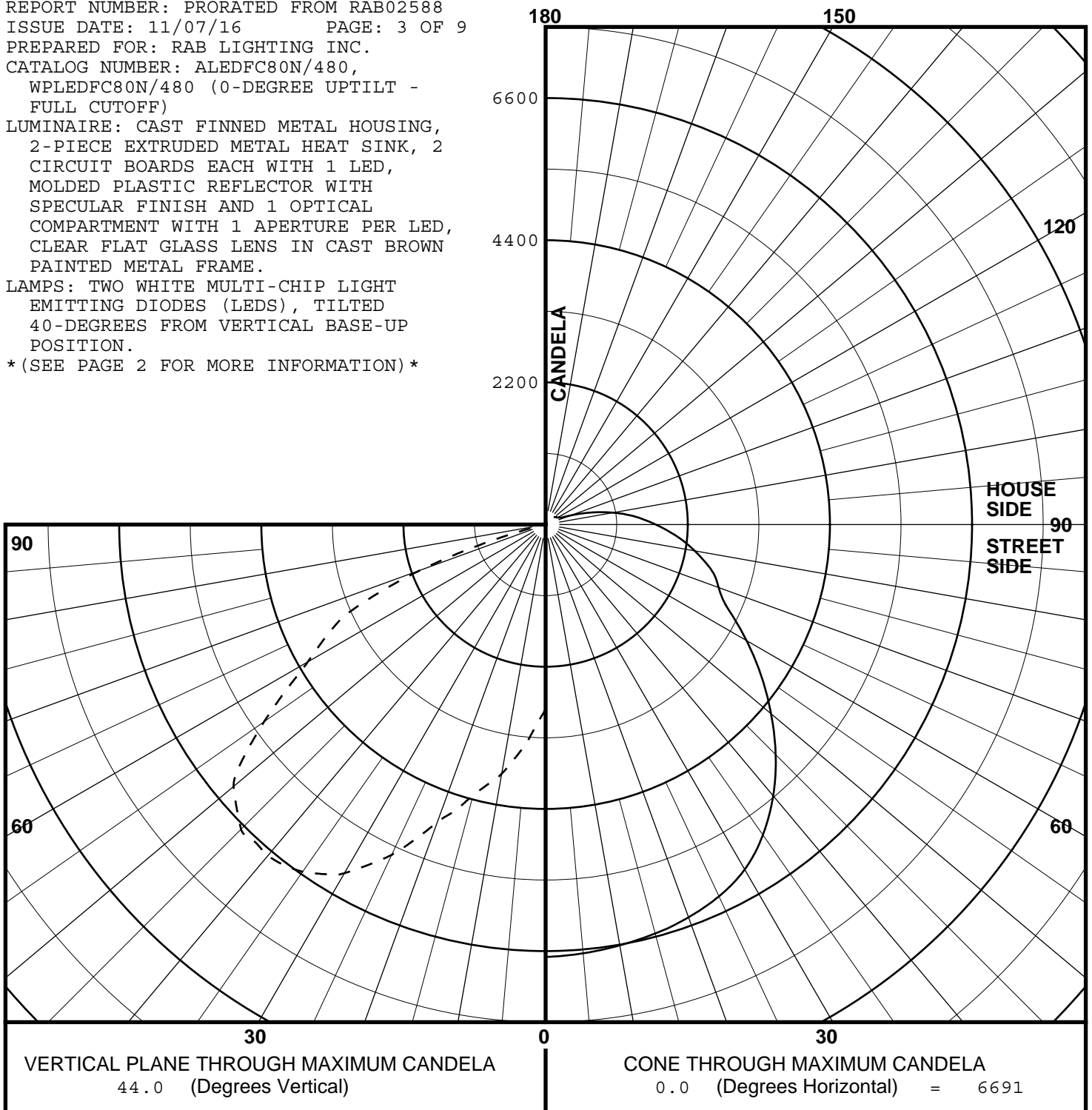
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02588 WHICH WAS
ALEDFC80Y/WPLEDFC80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 81.8 W AT 480.0 VAC.
LED DRIVER: RD-H100-A2000-480
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 11/07/16 PAGE: 3 OF 9
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 CATALOG NUMBER: ALEDFC80N/480,
 WPLEDFC80N/480 (0-DEGREE UPTILT -
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 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
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 EMITTING DIODES (LEDs), TILTED
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.
 (SEE PAGE 2 FOR MORE INFORMATION)



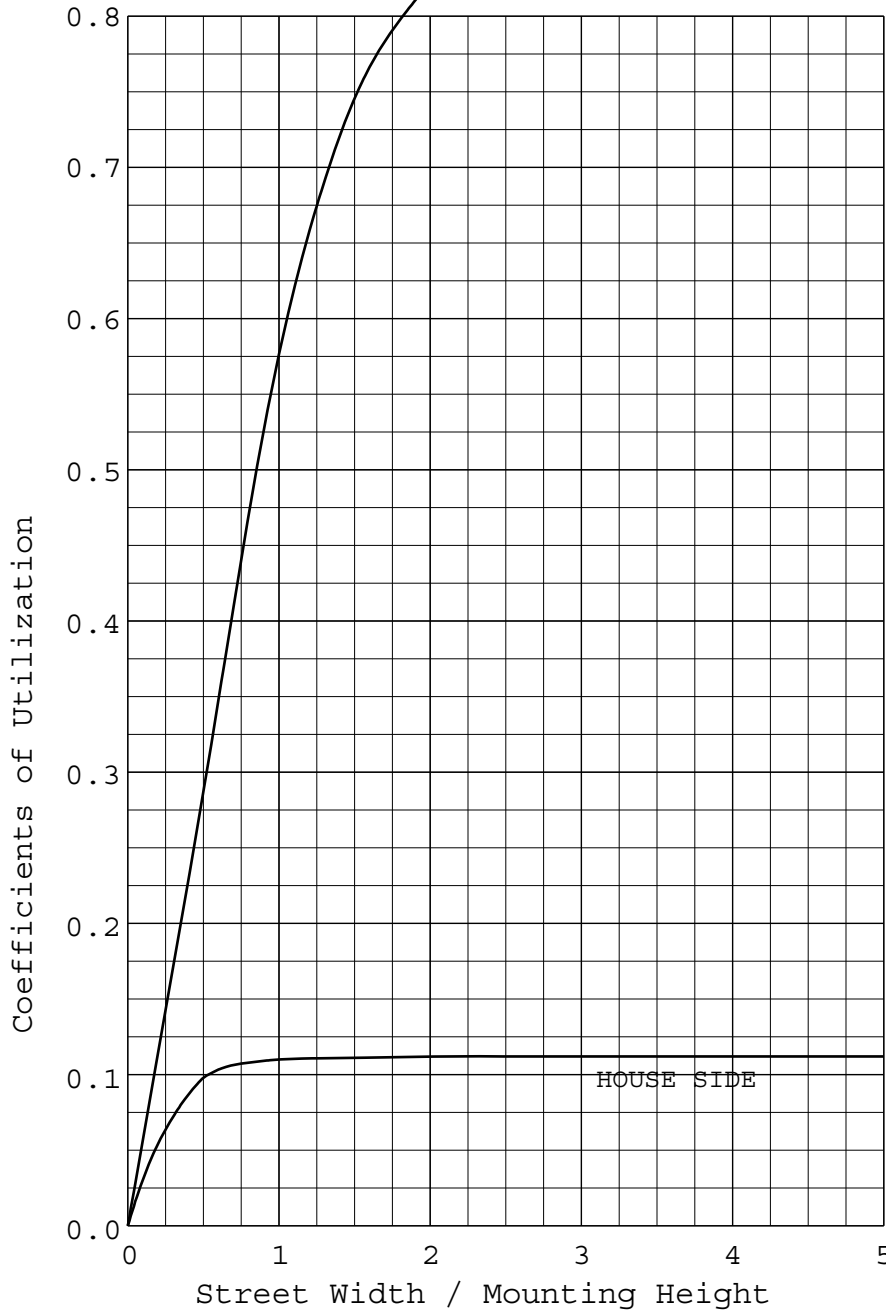
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PREPARED FOR: RAB LIGHTING INC STREET SIDE

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8505.	88.7
DOWNWARD HOUSE SIDE	1081.	11.3
DOWNWARD TOTAL	9585.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	9585.	100.0

TOTAL INPUT WATTS = 81.8
EFFICACY = 117.2 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: PRORATED FROM RAB02588
 ISSUE DATE: 11/07/16
 PREPARED FOR: RAB LIGHTING INC.

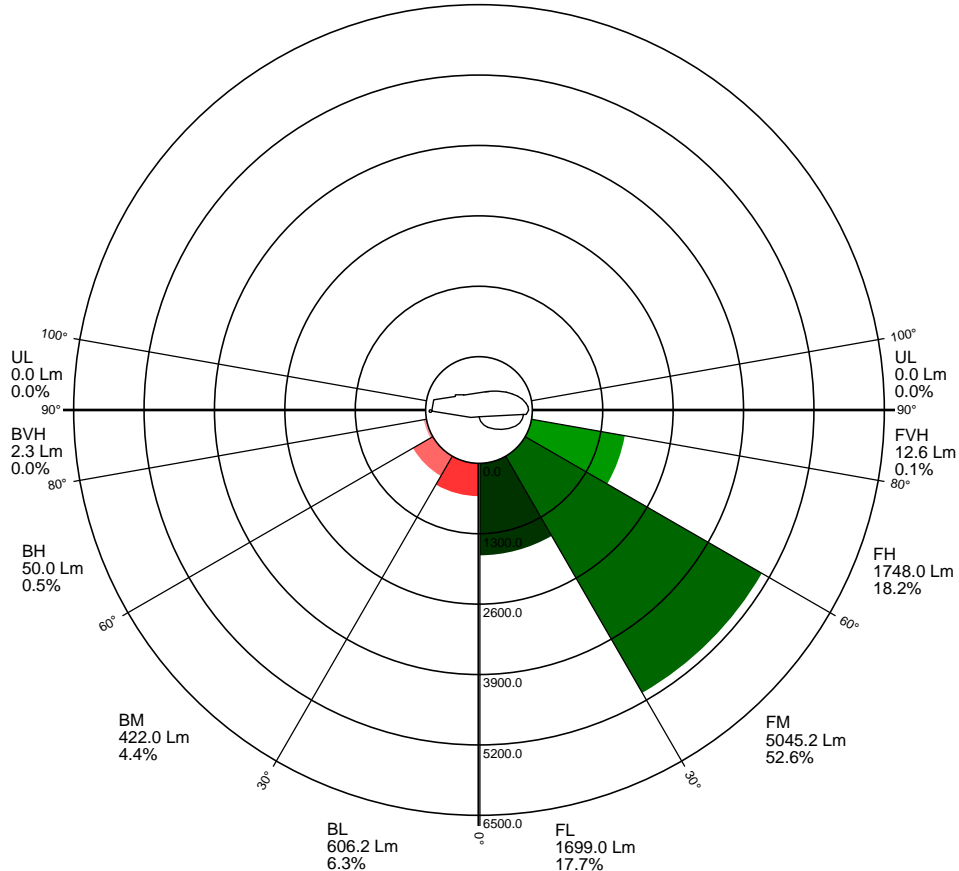
PAGE: 5 OF 9

BUG Rating:				B2 U0 G1		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8505	88.7			
FL	(0° - 30°)	1699.0	17.7			
FM	(30° - 60°)	5045.2	52.6			
FH	(60° - 80°)	1748.0	18.2			G1
FVH	(80° - 90°)	12.6	0.1			G1
Backward		1081	11.3			
BL	(0° - 30°)	606.2	6.3	B2		
BM	(30° - 60°)	422.0	4.4	B1		
BH	(60° - 80°)	50.0	0.5	B0		G0
BVH	(80° - 90°)	2.3	0.0			G0
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		9585	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

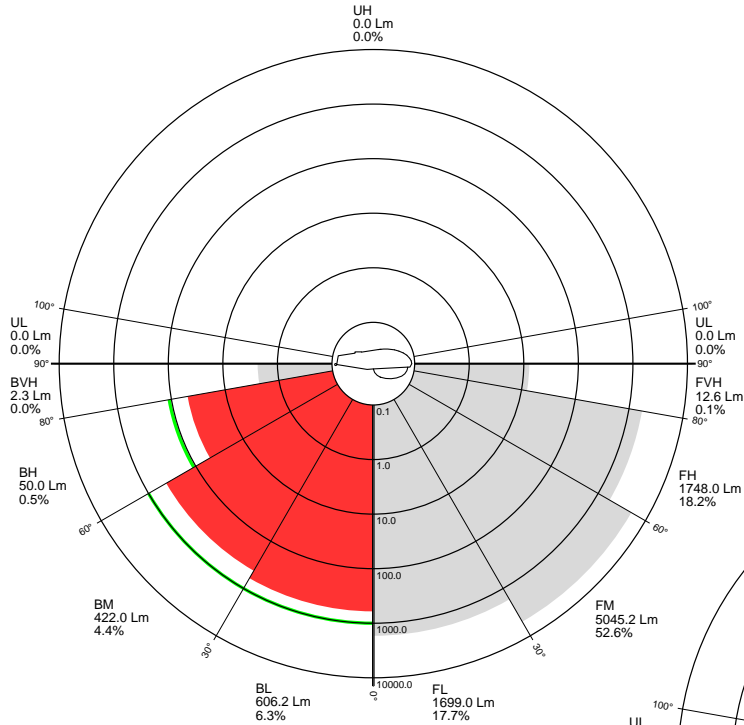


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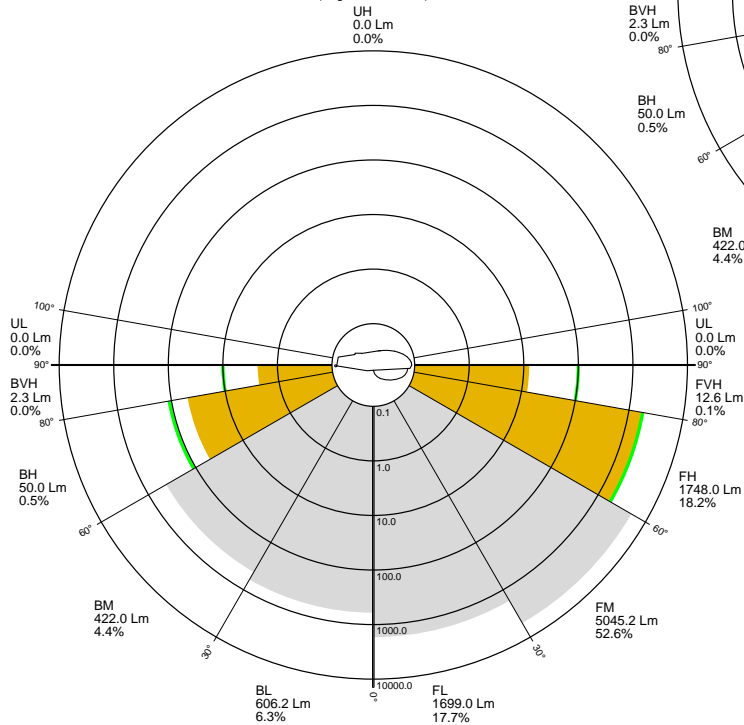
Backlight Rating Details

(Logarithmic scale)



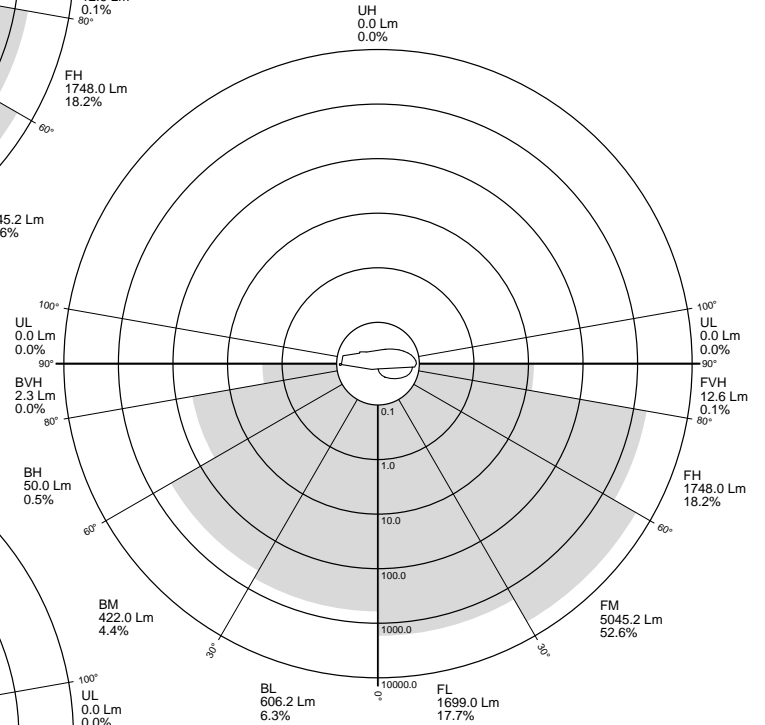
Glare Rating Details

(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	55.0	65.0	75.0 85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	2.	4.	5.	7.	9.	12.	10. 10.
	82.5	16.	16.	16.	20.	21.	20.	31.	105.	54. 11.
V	80.0	37.	43.	46.	71.	73.	123.	217.	264.	117. 12.
E	77.5	129.	135.	140.	236.	384.	616.	564.	421.	232. 31.
R	75.0	446.	507.	592.	843.	1079.	1303.	1055.	726.	385. 94.
T	72.5	1177.	1269.	1376.	1657.	1822.	1959.	1507.	1172.	636. 251.
I	70.0	2065.	2129.	2216.	2407.	2493.	2374.	1976.	1624.	924. 458.
C	67.5	2873.	2924.	2980.	3050.	2913.	2806.	2405.	1948.	1186. 689.
A	65.0	3525.	3548.	3515.	3396.	3303.	3300.	2814.	2209.	1404. 892.
L	62.5	3881.	3903.	3835.	3784.	3766.	3801.	3107.	2417.	1593. 1092.
	60.0	4252.	4284.	4236.	4265.	4321.	4296.	3340.	2580.	1749. 1258.
A	57.5	4755.	4775.	4747.	4800.	4887.	4572.	3533.	2711.	1886. 1410.
N	55.0	5320.	5326.	5277.	5350.	5367.	4763.	3693.	2823.	2029. 1537.
G	52.5	5875.	5883.	5827.	5856.	5556.	4892.	3828.	2922.	2177. 1663.
L	50.0	6306.	6311.	6224.	6071.	5760.	4983.	3940.	3004.	2314. 1779.
E	47.5	6488.	6468.	6358.	6296.	5837.	5044.	4027.	3072.	2450. 1887.
	45.0	6669.	6649.	6551.	6344.	5862.	5047.	4072.	3114.	2587. 1992.
	44.0<<	6691.	6661.	6552.	6348.	5863.	5037.	4073.	3128.	2643. 2033.
	42.5	6659.	6646.	6564.	6341.	5842.	5023.	4065.	3168.	2731. 2102.
	40.0	6688.	6690.	6533.	6263.	5765.	4990.	4052.	3266.	2866. 2217.
	37.5	6644.	6642.	6463.	6132.	5685.	4922.	4013.	3362.	2991. 2339.
	35.0	6557.	6541.	6362.	5993.	5560.	4825.	3969.	3456.	3089. 2453.
	30.0	6232.	6212.	5987.	5632.	5221.	4574.	4027.	3611.	3196. 2634.
	25.0	5641.	5607.	5416.	5095.	4765.	4359.	4003.	3663.	3252. 2763.
	20.0	4900.	4887.	4782.	4632.	4425.	4134.	3898.	3614.	3254. 2844.
	15.0	4337.	4305.	4246.	4182.	4101.	3928.	3729.	3472.	3187. 2885.
	10.0	3918.	3928.	3929.	3852.	3772.	3596.	3456.	3272.	3083. 2890.
	5.0	3390.	3372.	3399.	3336.	3301.	3194.	3137.	3053.	2971. 2874.
	0.0	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854. 2854.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

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CANDELA TABULATION

CANDELA TABULATION		LATERAL ANGLE										
HOUSE SIDE		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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	10.	10.	9.	9.	8.	7.	5.	4.	3.	2.	2.
	82.5	11.	10.	10.	9.	8.	7.	5.	4.	3.	2.	2.
V	80.0	11.	11.	11.	11.	9.	7.	5.	4.	3.	2.	2.
E	77.5	12.	11.	17.	24.	10.	7.	6.	4.	3.	2.	2.
R	75.0	29.	26.	33.	26.	16.	8.	6.	5.	4.	3.	3.
T	72.5	131.	74.	64.	25.	19.	9.	7.	6.	7.	6.	6.
I	70.0	281.	137.	90.	27.	20.	12.	8.	8.	10.	9.	9.
C	67.5	443.	231.	117.	31.	19.	14.	11.	12.	15.	14.	14.
A	65.0	607.	363.	148.	51.	20.	15.	15.	17.	21.	21.	21.
L	62.5	774.	492.	173.	87.	24.	16.	17.	20.	24.	25.	25.
	60.0	917.	627.	188.	115.	32.	17.	18.	23.	28.	29.	30.
A	57.5	1063.	759.	219.	138.	56.	24.	21.	25.	29.	31.	32.
N	55.0	1196.	890.	277.	160.	93.	35.	27.	28.	30.	32.	32.
G	52.5	1319.	1017.	361.	181.	125.	58.	39.	32.	32.	33.	33.
L	50.0	1439.	1133.	463.	205.	149.	94.	52.	44.	40.	37.	37.
E	47.5	1553.	1237.	563.	219.	170.	128.	80.	56.	55.	54.	54.
	45.0	1663.	1350.	670.	237.	189.	153.	120.	90.	75.	67.	67.
	44.0<<	1704.	1396.	717.	253.	199.	164.	135.	110.	95.	80.	80.
	42.5	1771.	1468.	793.	288.	222.	179.	159.	147.	132.	115.	116.
	40.0	1894.	1591.	937.	392.	255.	214.	206.	207.	205.	192.	194.
	37.5	2020.	1730.	1110.	534.	294.	267.	257.	263.	273.	270.	267.
	35.0	2149.	1871.	1283.	707.	364.	332.	308.	319.	334.	337.	335.
	30.0	2372.	2130.	1609.	1066.	652.	451.	434.	446.	440.	441.	440.
	25.0	2541.	2336.	1899.	1447.	1037.	747.	567.	516.	522.	529.	532.
	20.0	2661.	2496.	2147.	1790.	1448.	1164.	955.	810.	736.	694.	694.
	15.0	2744.	2618.	2355.	2103.	1847.	1631.	1444.	1299.	1208.	1166.	1172.
	10.0	2794.	2712.	2550.	2382.	2228.	2083.	1956.	1871.	1805.	1760.	1776.
	5.0	2825.	2789.	2717.	2647.	2585.	2506.	2439.	2401.	2381.	2332.	2365.
	0.0	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854.	2854.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	68
5- 10	204
10- 15	333
15- 20	450
20- 25	566
25- 30	685
30- 35	793
35- 40	880
40- 45	946
45- 50	986
50- 55	973
55- 60	888
60- 65	761
65- 70	595
70- 75	343
75- 80	99
80- 85	14
85- 90	1
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	272
0- 20	1055
0- 30	2305
0- 40	3979
0- 50	5911
0- 60	7773
0- 70	9128
0- 80	9570
0- 90	9585
0-100	9585
0-110	9585
0-120	9585
0-130	9585
0-140	9585
0-150	9585
0-160	9585
0-170	9585
0-180	9585