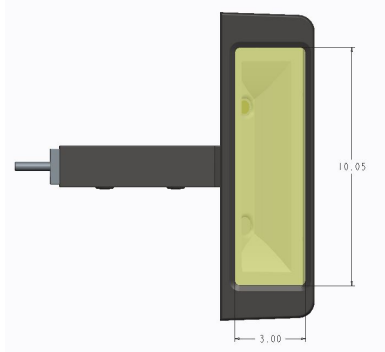


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 ISSUE DATE: 11/07/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED80/480, WPLED80/480
 (15 - DEGREE UPTILT - STANDARD 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
 55-DEGREES FROM VERTICAL BASE-UP
 POSITION.

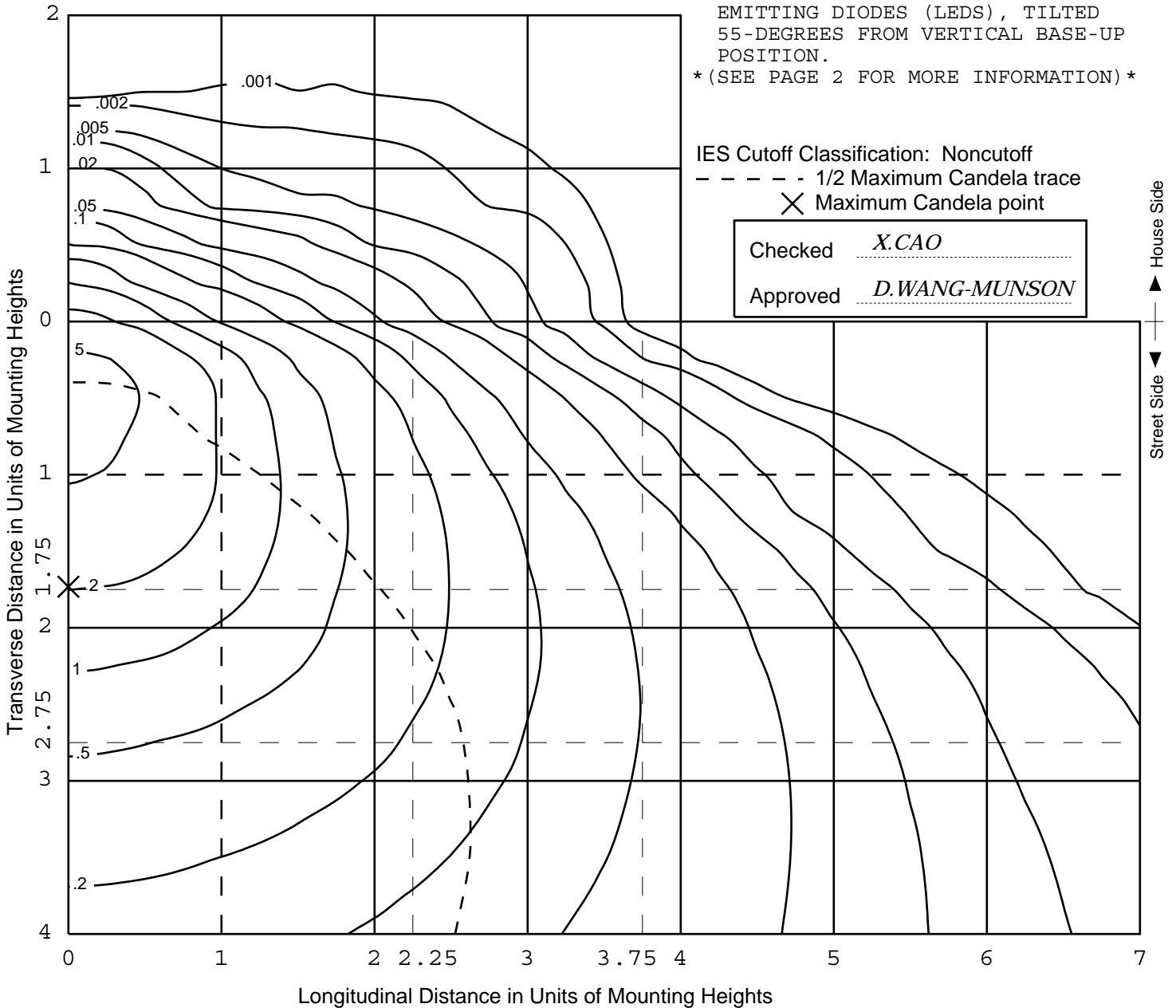
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

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



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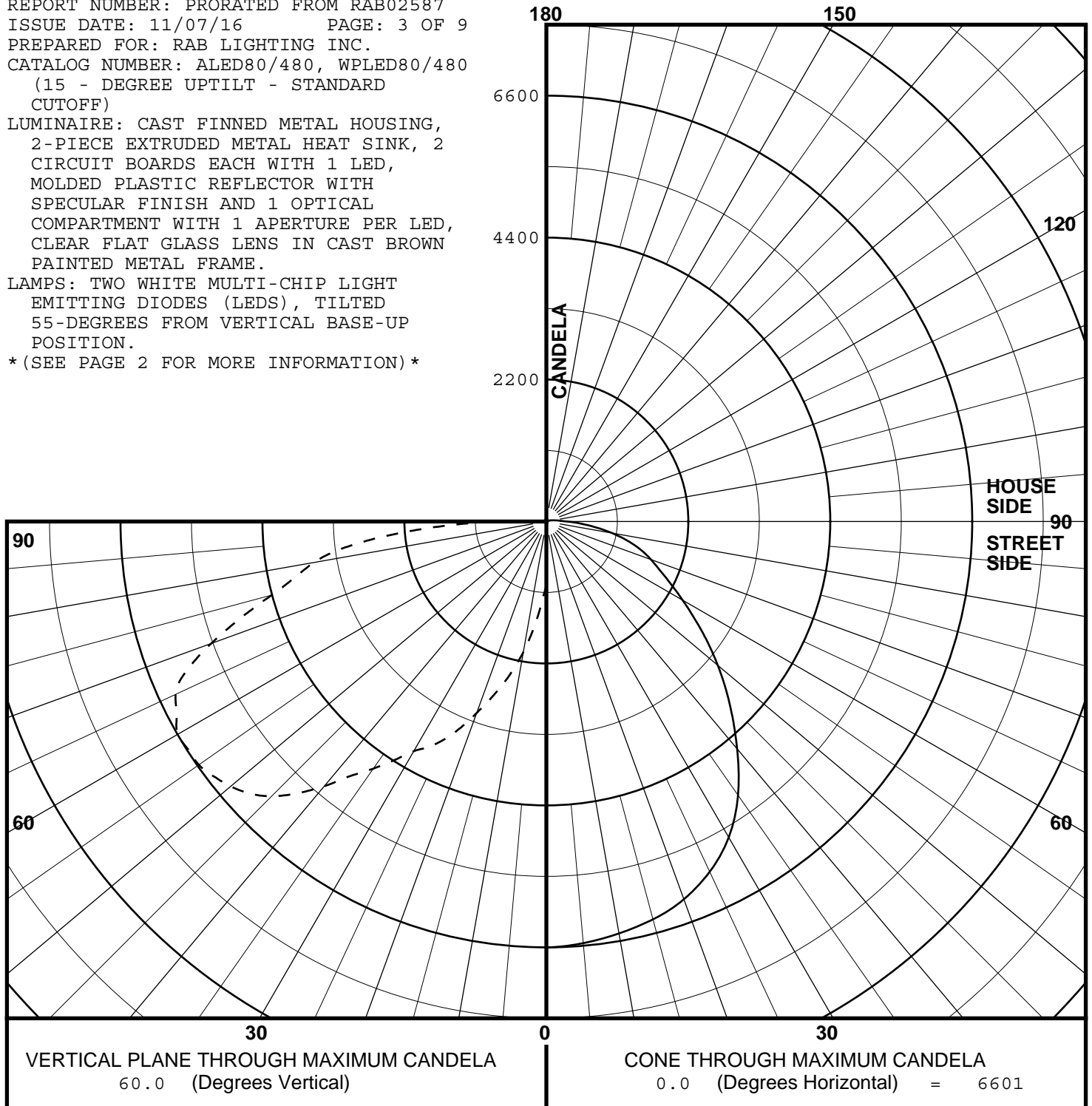
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02587 WHICH WAS ALED80Y,
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 82.5 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

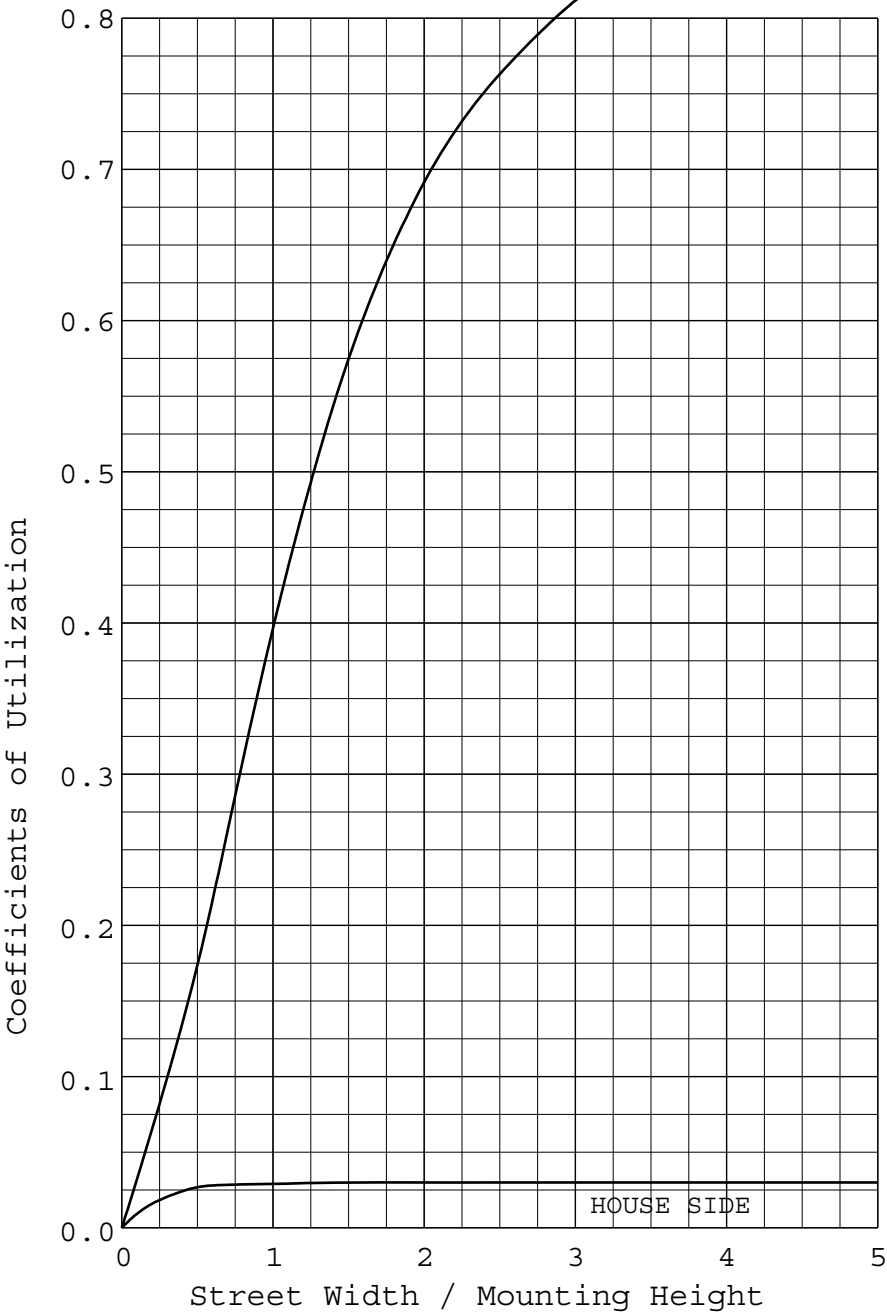
REPORT NUMBER: PRORATED FROM RAB02587
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	9039.	95.9
DOWNWARD HOUSE SIDE	290.	3.1
DOWNWARD TOTAL	9329.	99.0
UPWARD STREET SIDE	62.	0.7
UPWARD HOUSE SIDE	37.	0.4
UPWARD TOTAL	99.	1.0
TOTAL FLUX	9428.	100.0

TOTAL INPUT WATTS = 82.5
EFFICACY = 114.3 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.

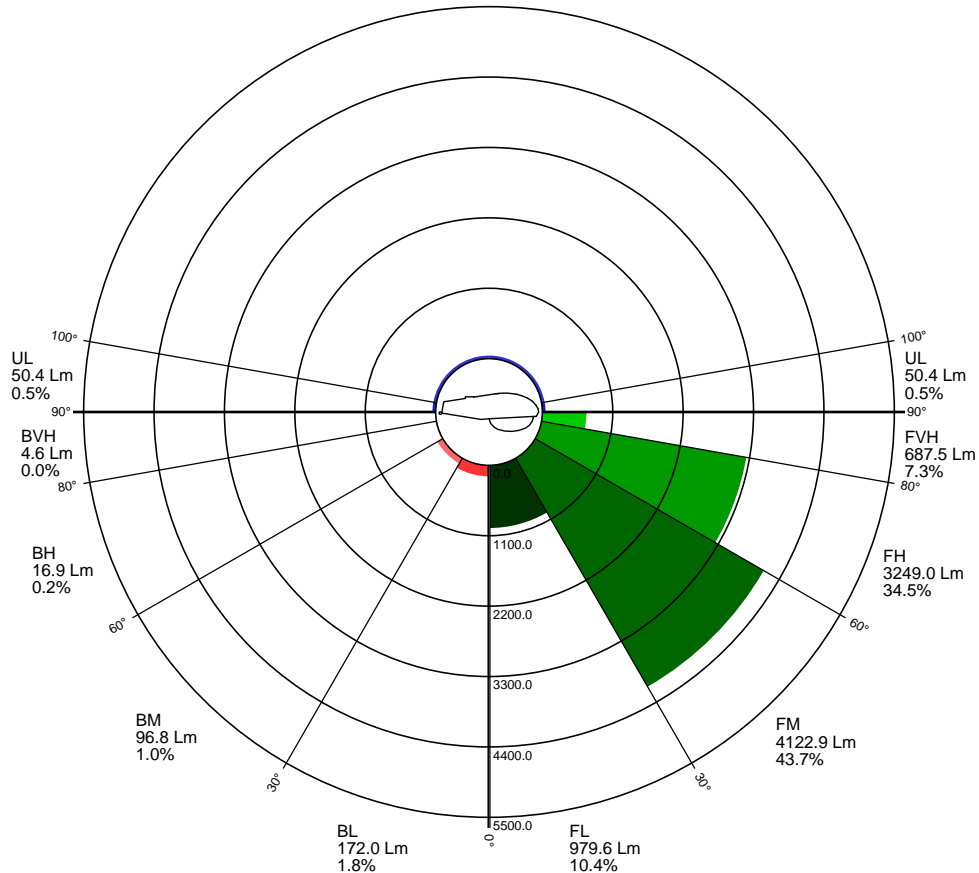
PAGE: 5 OF 9

BUG Rating:				B1 U3 G4		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		9039	95.9			
FL	(0° - 30°)	979.6	10.4			
FM	(30° - 60°)	4122.9	43.7			
FH	(60° - 80°)	3249.0	34.5			G2
FVH	(80° - 90°)	687.5	7.3			G4
Backward		290	3.1			
BL	(0° - 30°)	172.0	1.8	B1		
BM	(30° - 60°)	96.8	1.0	B0		
BH	(60° - 80°)	16.9	0.2	B0		G0
BVH	(80° - 90°)	4.6	0.0			G0
Upward		99	1.0			
UL	(90° - 100°)	50.4	0.5		U3	
UH	(100° - 180°)	48.4	0.5		U2	
Trapped Light		0	0.0			
Total Flux		9428	100.0			

Zonal Lumen Summary

(Linear scale)

UH
48.4 Lm
0.5%

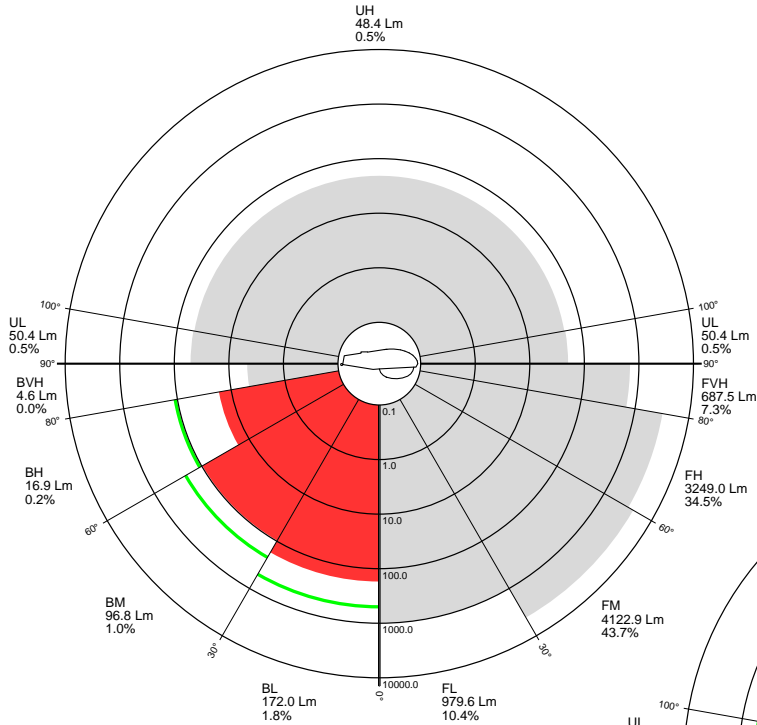


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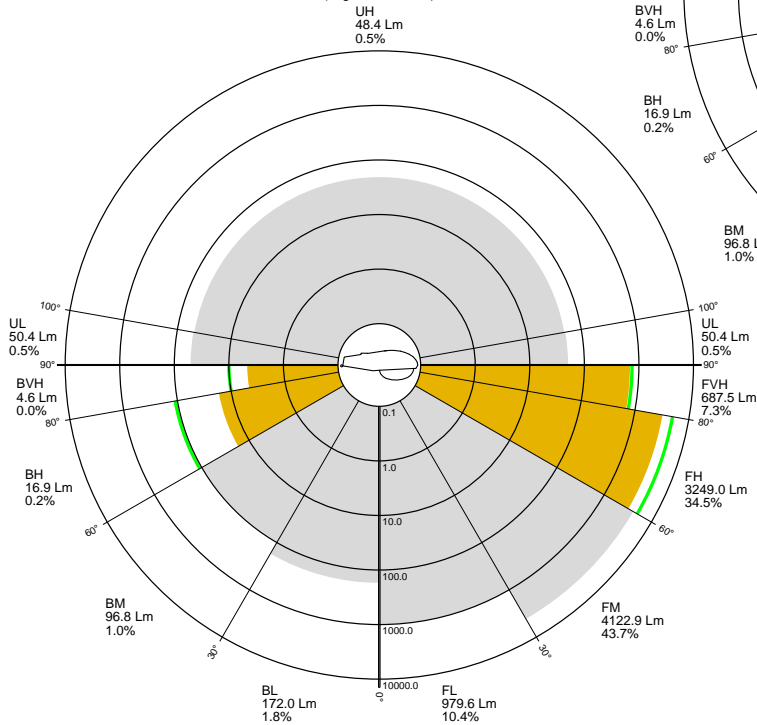
Backlight Rating Details

(Logarithmic scale)



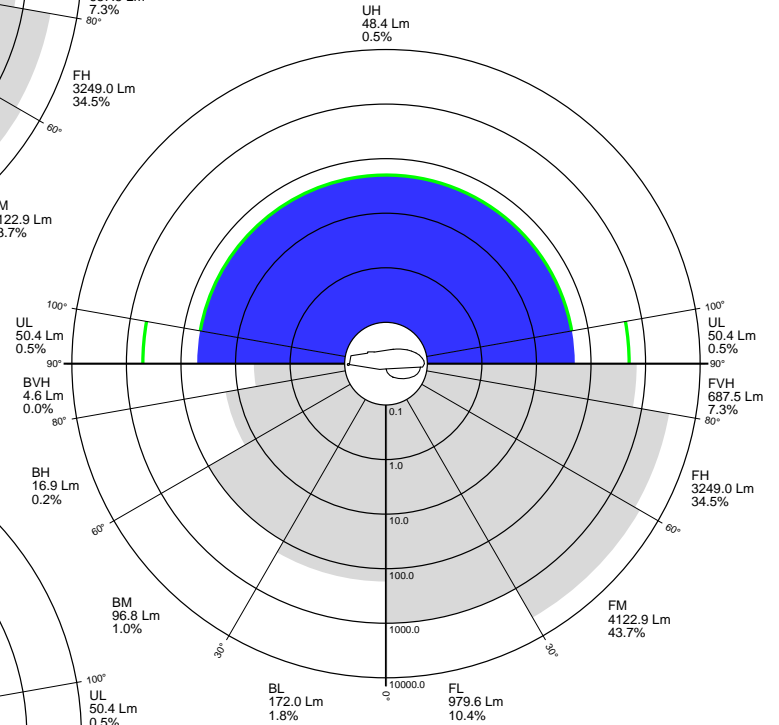
Glare Rating Details

(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	7.	7.	7.	7.	7.	7.	7.	7.	7.
	175.0	0.	1.	2.	4.	6.	7.	9.	10.	11. 12.
	165.0	0.	1.	2.	4.	6.	7.	9.	10.	12. 13.
	155.0	0.	1.	2.	4.	6.	7.	9.	10.	12. 13.
	145.0	0.	1.	2.	4.	6.	7.	9.	10.	11. 12.
	135.0	0.	1.	2.	4.	5.	7.	8.	10.	11. 12.
	125.0	0.	1.	2.	4.	6.	7.	8.	10.	11. 12.
	115.0	0.	1.	2.	4.	6.	7.	8.	10.	11. 11.
	105.0	0.	1.	2.	4.	5.	7.	8.	10.	11. 12.
	95.0	90.	83.	73.	48.	25.	12.	9.	9.	10. 11.
	90.0	785.	752.	761.	709.	569.	340.	152.	66.	11. 11.
	87.5	1611.	1566.	1567.	1490.	1286.	900.	421.	192.	31. 11.
	85.0	2447.	2400.	2365.	2228.	1984.	1542.	795.	293.	59. 11.
V	82.5	3185.	3165.	3072.	2867.	2559.	1994.	1178.	506.	113. 12.
E	80.0	3661.	3625.	3476.	3219.	2899.	2363.	1630.	843.	177. 12.
R	77.5	3988.	3972.	3807.	3605.	3313.	2809.	2056.	1151.	304. 16.
T	75.0	4406.	4367.	4223.	4067.	3839.	3205.	2387.	1401.	482. 61.
I	72.5	4961.	4899.	4751.	4597.	4380.	3544.	2565.	1601.	664. 158.
C	70.0	5528.	5452.	5304.	5136.	4858.	3726.	2706.	1747.	862. 274.
A	67.5	6032.	5986.	5845.	5594.	5029.	3874.	2811.	1847.	1046. 383.
L	65.0	6344.	6319.	6117.	5754.	5173.	3970.	2881.	1911.	1217. 486.
	62.5	6460.	6421.	6268.	5952.	5203.	4017.	2919.	1960.	1335. 577.
A	60.0<<	6601.	6560.	6385.	5989.	5179.	4024.	2928.	2035.	1417. 648.
N	57.5	6580.	6562.	6388.	5959.	5107.	3989.	2903.	2129.	1471. 707.
G	55.0	6575.	6549.	6323.	5847.	4979.	3914.	2865.	2211.	1505. 757.
L	52.5	6493.	6464.	6209.	5692.	4859.	3800.	2851.	2277.	1540. 801.
E	50.0	6388.	6343.	6057.	5517.	4714.	3690.	2919.	2330.	1568. 835.
	47.5	6238.	6187.	5882.	5323.	4523.	3567.	3001.	2363.	1593. 861.
	45.0	6023.	5956.	5632.	5085.	4345.	3544.	3063.	2375.	1616. 878.
	42.5	5715.	5665.	5338.	4825.	4171.	3571.	3088.	2370.	1633. 889.
	40.0	5359.	5326.	5033.	4556.	4088.	3579.	3074.	2350.	1654. 909.
	37.5	4964.	4945.	4718.	4370.	4003.	3554.	3015.	2331.	1668. 938.
	35.0	4677.	4654.	4495.	4205.	3904.	3499.	2937.	2302.	1676. 968.
	30.0	4113.	4117.	4055.	3915.	3666.	3233.	2719.	2211.	1657. 1031.
	25.0	3718.	3729.	3677.	3504.	3231.	2857.	2480.	2051.	1582. 1063.
	20.0	3158.	3171.	3148.	2987.	2772.	2513.	2209.	1864.	1485. 1077.
	15.0	2617.	2629.	2631.	2504.	2330.	2132.	1918.	1649.	1356. 1068.
	10.0	2054.	2074.	2064.	1986.	1862.	1732.	1601.	1406.	1223. 1047.
	5.0	1459.	1472.	1485.	1429.	1369.	1318.	1256.	1167.	1095. 1015.
	0.0	983.	983.	983.	983.	983.	983.	983.	983.	983. 983.
		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	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.
	175.0	12.	12.	12.	11.	10.	8.	7.	5.	4.	3.	3.
	165.0	13.	13.	13.	12.	10.	9.	8.	7.	6.	6.	6.
	155.0	13.	13.	13.	12.	11.	10.	9.	8.	8.	8.	8.
	145.0	13.	13.	13.	12.	11.	10.	10.	10.	10.	10.	10.
	135.0	12.	13.	12.	12.	11.	10.	10.	10.	11.	11.	11.
	125.0	12.	12.	12.	11.	11.	10.	11.	11.	12.	12.	12.
	115.0	12.	12.	12.	12.	11.	12.	12.	13.	14.	14.	14.
	105.0	12.	12.	12.	12.	12.	12.	13.	14.	15.	15.	15.
	95.0	11.	11.	12.	12.	11.	11.	12.	12.	12.	12.	12.
	90.0	10.	11.	11.	11.	10.	10.	9.	10.	10.	10.	10.
	87.5	11.	10.	10.	10.	10.	9.	9.	8.	8.	8.	8.
	85.0	11.	10.	10.	10.	9.	9.	8.	7.	6.	6.	6.
V	82.5	11.	10.	9.	9.	8.	8.	7.	6.	4.	4.	4.
E	80.0	11.	10.	9.	8.	7.	7.	6.	5.	3.	2.	1.
R	77.5	11.	10.	9.	8.	7.	6.	5.	4.	2.	1.	0.
T	75.0	13.	11.	13.	9.	7.	5.	4.	3.	1.	0.	0.
I	72.5	60.	50.	20.	11.	6.	5.	4.	2.	1.	0.	0.
C	70.0	103.	77.	23.	15.	7.	5.	3.	2.	0.	0.	0.
A	67.5	149.	103.	27.	18.	8.	5.	3.	2.	0.	0.	0.
L	65.0	208.	130.	32.	18.	10.	5.	3.	1.	0.	0.	0.
	62.5	269.	158.	45.	17.	11.	6.	4.	2.	0.	0.	0.
A	60.0<<	319.	177.	67.	17.	12.	7.	4.	2.	0.	0.	0.
N	57.5	361.	189.	89.	19.	12.	8.	5.	4.	2.	0.	0.
G	55.0	399.	201.	109.	24.	12.	10.	7.	5.	3.	1.	1.
L	52.5	433.	216.	125.	29.	13.	11.	9.	8.	7.	5.	5.
E	50.0	471.	232.	141.	42.	15.	12.	13.	13.	14.	12.	12.
	47.5	500.	252.	159.	68.	20.	15.	16.	18.	19.	18.	18.
	45.0	526.	271.	171.	96.	32.	19.	20.	23.	26.	25.	25.
	42.5	546.	289.	182.	122.	46.	27.	24.	26.	29.	29.	30.
	40.0	567.	310.	197.	141.	72.	38.	30.	29.	30.	32.	31.
	37.5	598.	342.	214.	159.	101.	49.	38.	33.	33.	34.	34.
	35.0	643.	386.	235.	176.	129.	72.	50.	41.	37.	36.	37.
	30.0	744.	503.	297.	228.	185.	150.	110.	76.	65.	63.	63.
	25.0	827.	617.	382.	335.	276.	246.	225.	198.	175.	155.	156.
	20.0	896.	723.	495.	426.	390.	349.	337.	323.	319.	307.	311.
	15.0	938.	811.	602.	502.	483.	471.	439.	428.	427.	423.	425.
	10.0	962.	880.	730.	618.	556.	527.	518.	520.	520.	520.	520.
	5.0	975.	936.	864.	799.	745.	701.	665.	638.	630.	614.	614.
	0.0	983.	983.	983.	983.	983.	983.	983.	983.	983.	983.	983.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	24
5- 10	77
10- 15	143
15- 20	219
20- 25	302
25- 30	388
30- 35	475
35- 40	567
40- 45	665
45- 50	760
50- 55	843
55- 60	910
60- 65	939
65- 70	909
70- 75	789
75- 80	628
80- 85	461
85- 90	231
90- 95	43
95-100	8
100-105	5
105-110	5
110-115	5
115-120	5
120-125	4
125-130	4
130-135	4
135-140	3
140-145	3
145-150	3
150-155	2
155-160	2
160-165	1
165-170	1
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	100
0- 20	463
0- 30	1152
0- 40	2194
0- 50	3619
0- 60	5371
0- 70	7220
0- 80	8637
0- 90	9329
0-100	9380
0-110	9390
0-120	9400
0-130	9408
0-140	9415
0-150	9421
0-160	9425
0-170	9428
0-180	9428