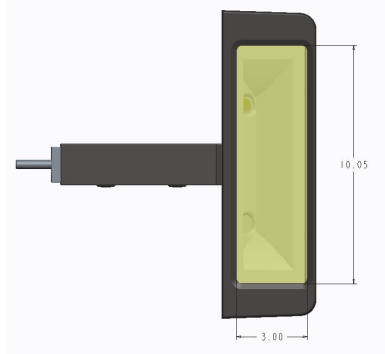


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

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: ALED80Y/480,
 WPLED80Y/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)

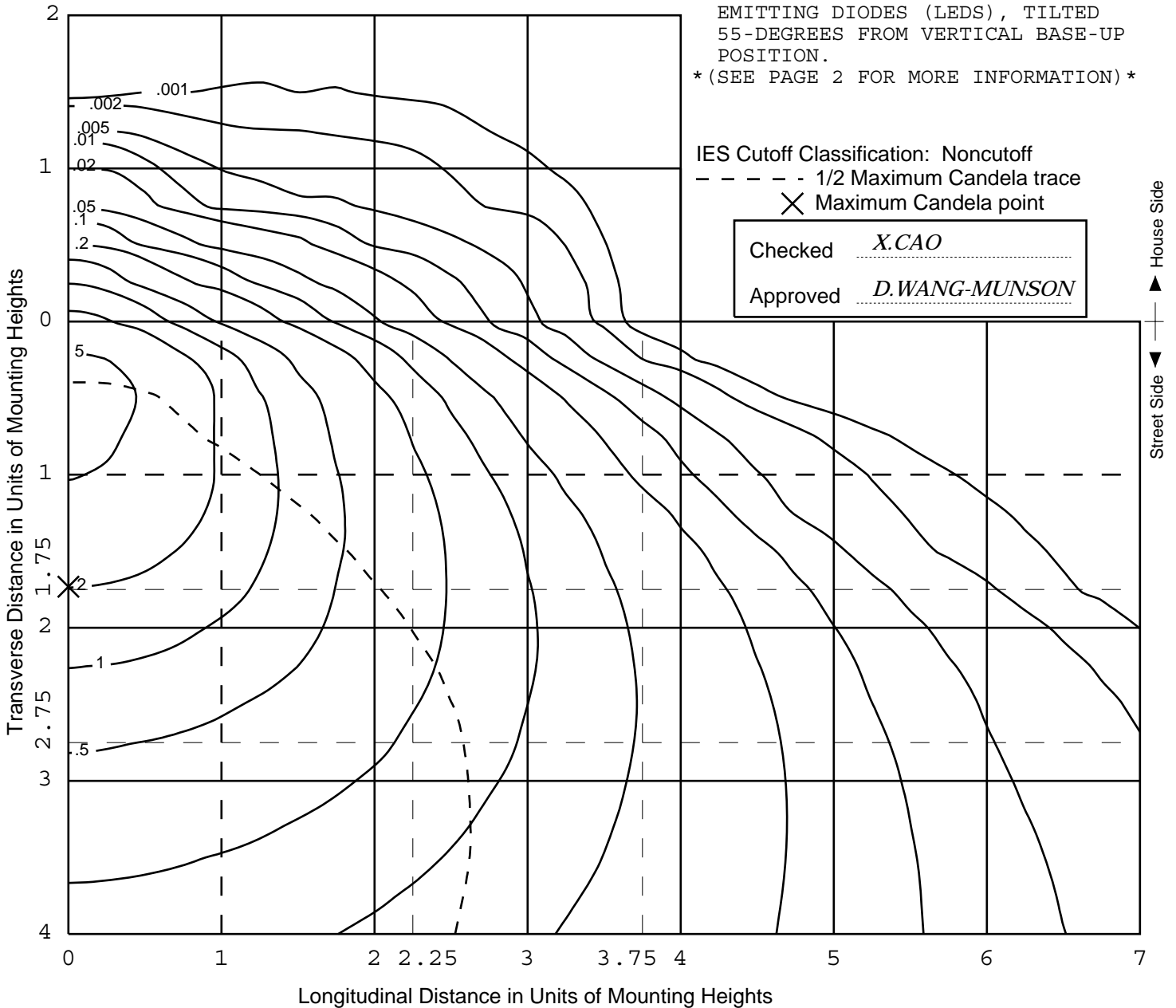
IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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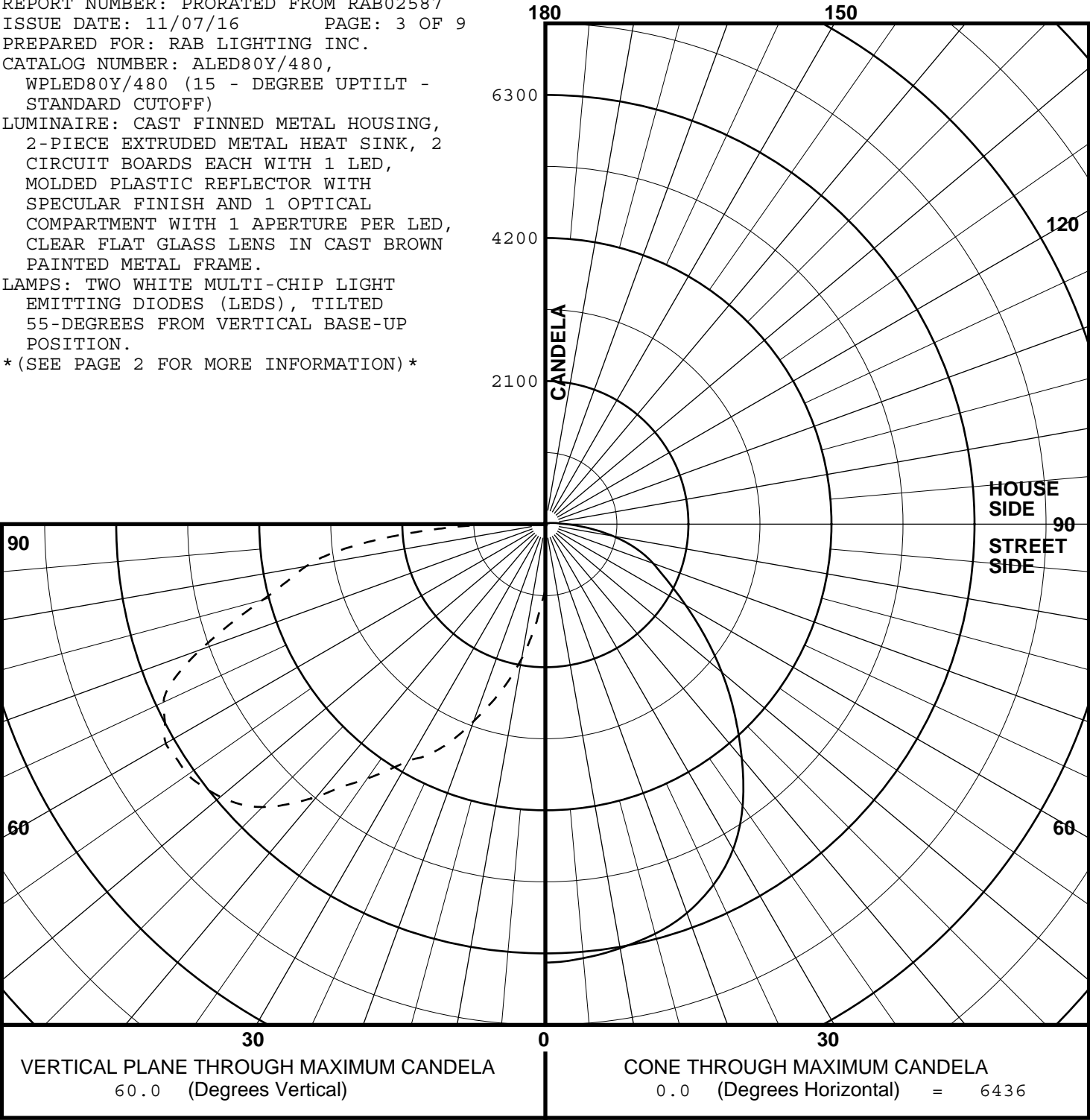
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02587 WHICH WAS ALED80Y,
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 81.6 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

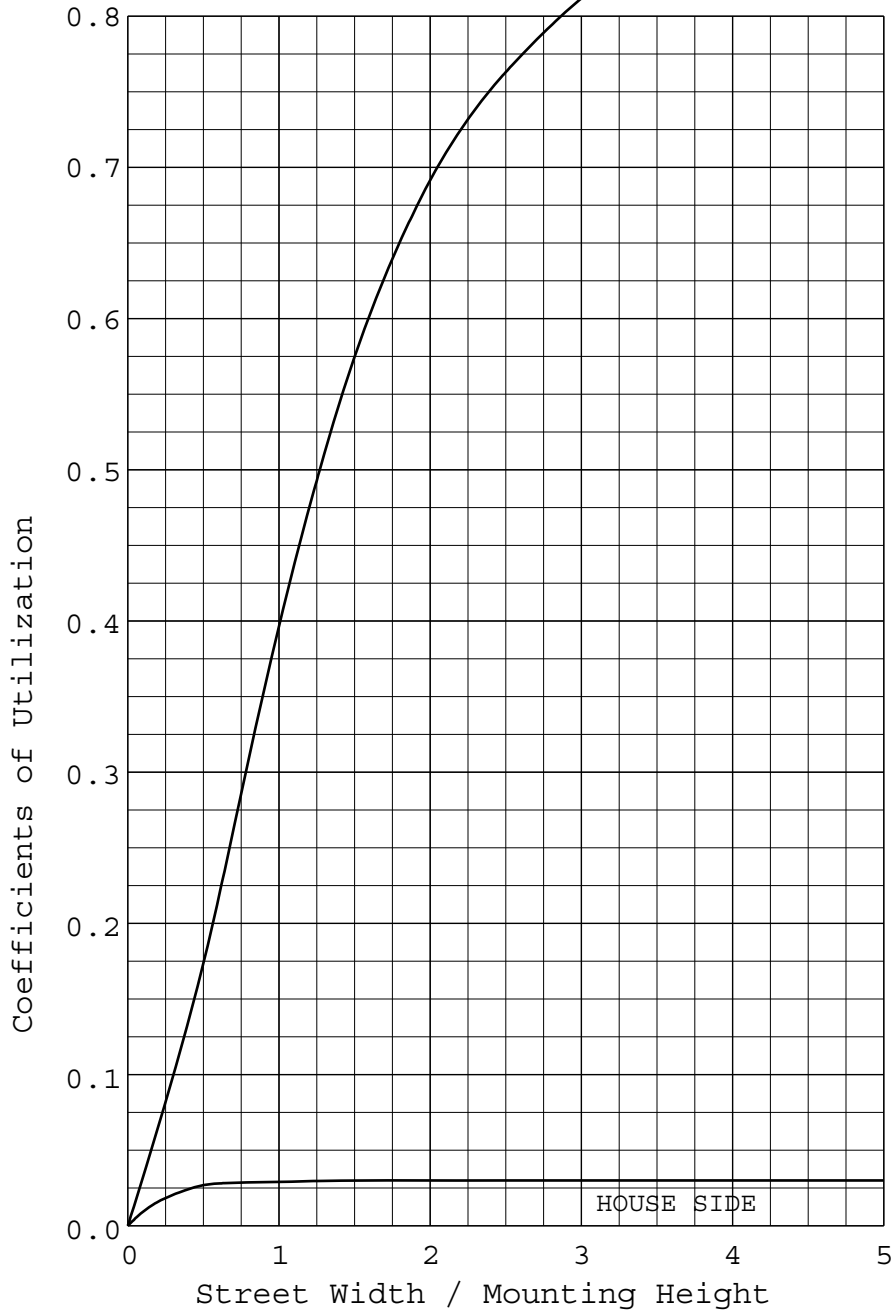
REPORT NUMBER: PRORATED FROM RAB02587
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 PREPARED FOR: RAB LIGHTING INC.
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8813.	95.9
DOWNWARD HOUSE SIDE	283.	3.1
DOWNWARD TOTAL	9096.	99.0
UPWARD STREET SIDE	60.	0.7
UPWARD HOUSE SIDE	36.	0.4
UPWARD TOTAL	96.	1.0
TOTAL FLUX	9192.	100.0

TOTAL INPUT WATTS = 81.6
 EFFICACY = 112.6 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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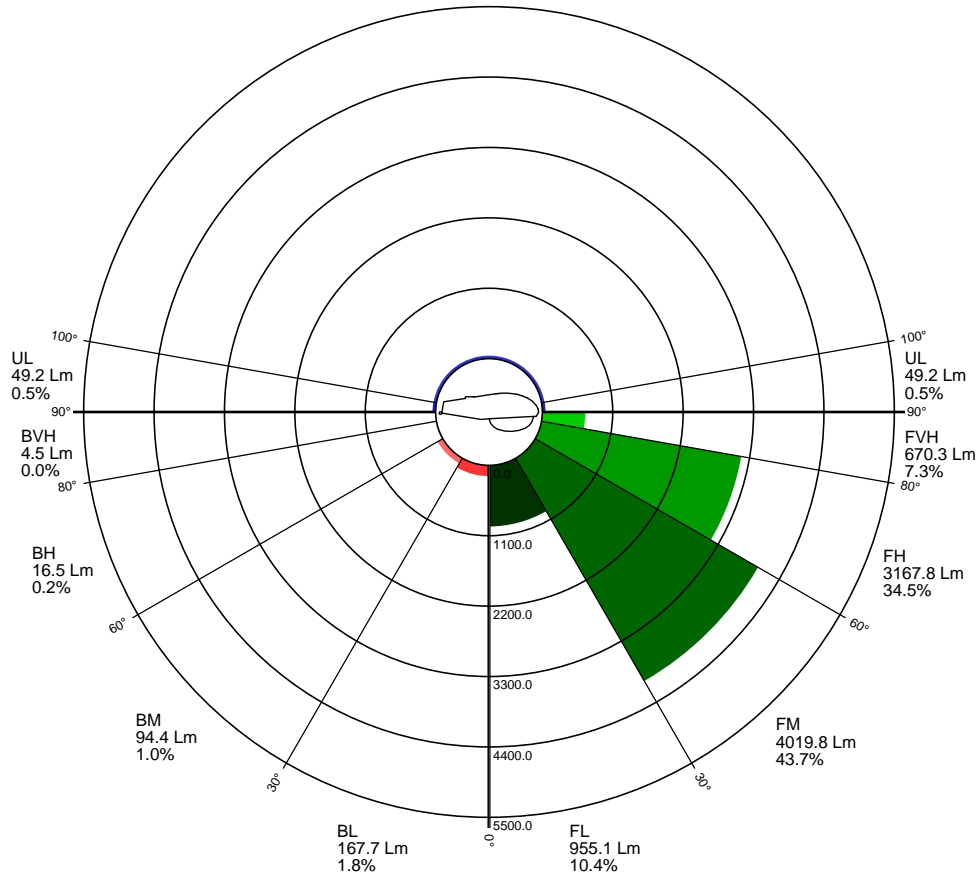
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BUG Rating:				B1 U2 G4		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8813	95.9			
FL	(0° - 30°)	955.1	10.4			
FM	(30° - 60°)	4019.8	43.7			
FH	(60° - 80°)	3167.8	34.5			G2
FVH	(80° - 90°)	670.3	7.3			G4
Backward		283	3.1			
BL	(0° - 30°)	167.7	1.8	B1		
BM	(30° - 60°)	94.4	1.0	B0		
BH	(60° - 80°)	16.5	0.2	B0		G0
BVH	(80° - 90°)	4.5	0.0			G0
Upward		96	1.0			
UL	(90° - 100°)	49.2	0.5		U2	
UH	(100° - 180°)	47.2	0.5		U2	
Trapped Light		0	0.0			
Total Flux		9192	100.0			

Zonal Lumen Summary

(Linear scale)

UH
47.2 Lm
0.5%

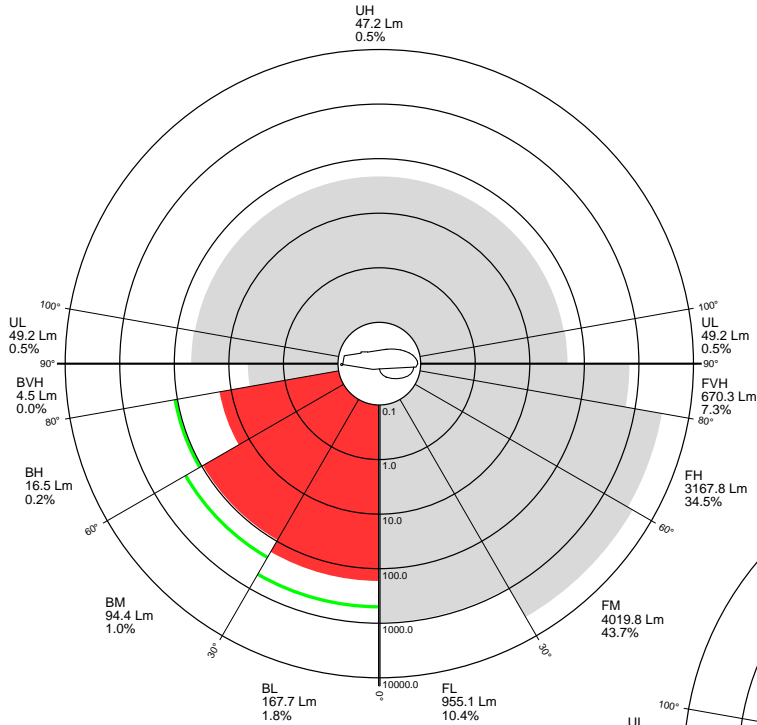


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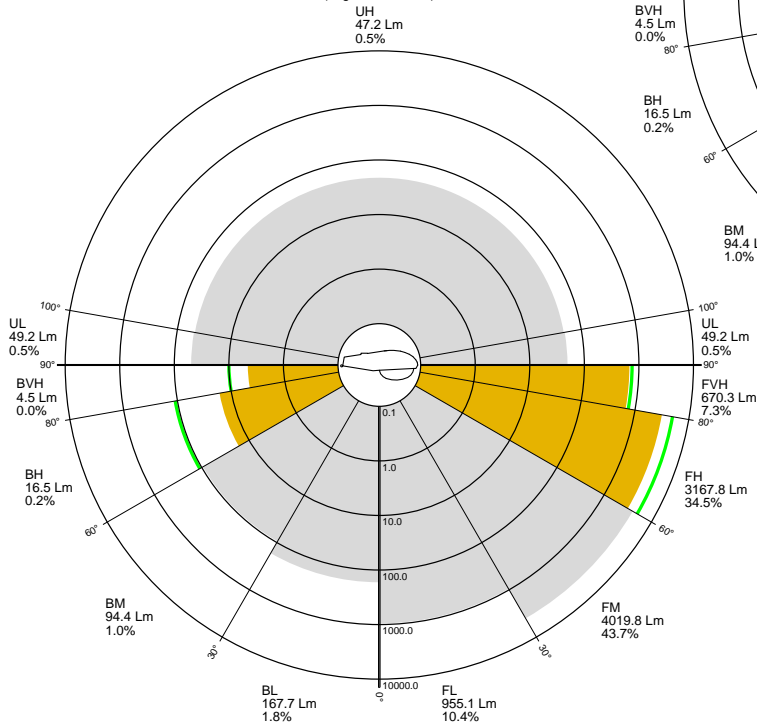
Backlight Rating Details

(Logarithmic scale)



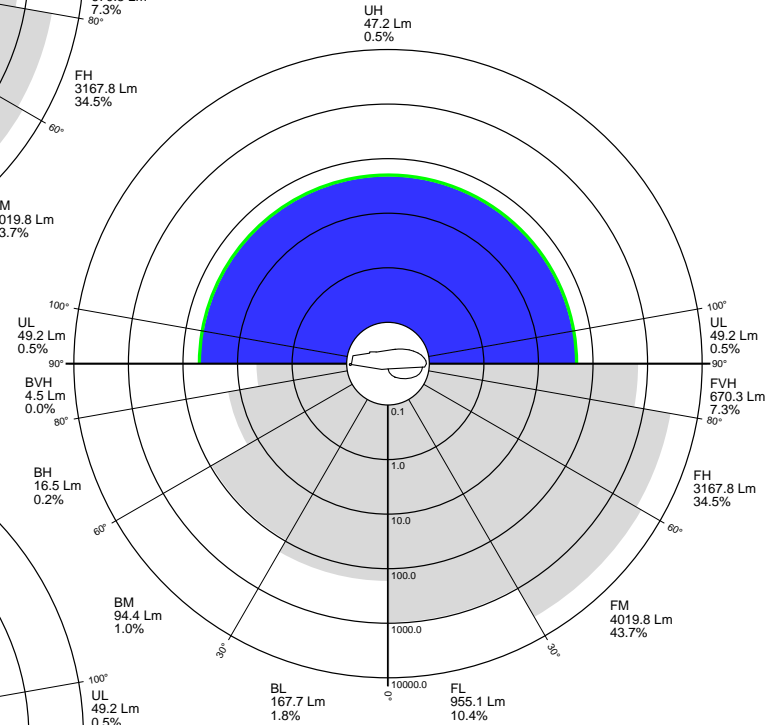
Glare Rating Details

(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	88.	81.	71.	47.	24.	12.	9.	9.	10. 11.
	90.0	765.	733.	742.	691.	554.	332.	148.	64.	11. 11.
	87.5	1570.	1527.	1528.	1453.	1254.	877.	411.	187.	30. 11.
	85.0	2386.	2340.	2306.	2172.	1934.	1504.	775.	286.	58. 11.
V	82.5	3105.	3086.	2995.	2795.	2495.	1944.	1149.	494.	110. 12.
E	80.0	3570.	3535.	3389.	3139.	2826.	2304.	1589.	822.	173. 12.
R	77.5	3888.	3872.	3711.	3515.	3230.	2738.	2005.	1122.	297. 16.
T	75.0	4296.	4258.	4117.	3965.	3743.	3125.	2328.	1366.	470. 60.
I	72.5	4837.	4776.	4632.	4482.	4271.	3456.	2501.	1560.	647. 154.
C	70.0	5390.	5316.	5171.	5007.	4736.	3632.	2638.	1703.	840. 267.
A	67.5	5881.	5836.	5698.	5454.	4903.	3777.	2740.	1801.	1020. 374.
L	65.0	6185.	6161.	5964.	5611.	5044.	3870.	2809.	1863.	1187. 474.
	62.5	6299.	6260.	6111.	5803.	5073.	3916.	2846.	1911.	1302. 562.
A	60.0<<	6436.	6396.	6225.	5839.	5049.	3923.	2855.	1984.	1382. 631.
N	57.5	6416.	6398.	6228.	5810.	4979.	3889.	2830.	2076.	1435. 689.
G	55.0	6411.	6385.	6165.	5700.	4854.	3816.	2793.	2156.	1468. 738.
L	52.5	6331.	6302.	6054.	5550.	4737.	3705.	2779.	2220.	1502. 781.
E	50.0	6228.	6184.	5905.	5379.	4596.	3597.	2846.	2272.	1529. 814.
	47.5	6082.	6032.	5734.	5190.	4410.	3478.	2926.	2304.	1553. 839.
	45.0	5872.	5807.	5491.	4958.	4236.	3456.	2986.	2316.	1575. 856.
	42.5	5572.	5524.	5205.	4704.	4067.	3482.	3011.	2311.	1592. 867.
	40.0	5225.	5193.	4907.	4442.	3986.	3490.	2997.	2291.	1612. 886.
	37.5	4840.	4821.	4599.	4261.	3903.	3465.	2939.	2273.	1626. 914.
	35.0	4560.	4538.	4383.	4100.	3806.	3412.	2863.	2245.	1634. 944.
	30.0	4010.	4014.	3953.	3817.	3574.	3152.	2651.	2156.	1615. 1005.
	25.0	3625.	3635.	3585.	3417.	3150.	2785.	2418.	2000.	1542. 1036.
	20.0	3079.	3092.	3069.	2912.	2702.	2451.	2154.	1817.	1448. 1050.
	15.0	2552.	2563.	2565.	2442.	2272.	2079.	1870.	1607.	1322. 1041.
	10.0	2003.	2022.	2012.	1936.	1815.	1688.	1560.	1371.	1193. 1021.
	5.0	1423.	1436.	1448.	1394.	1335.	1285.	1225.	1138.	1068. 990.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958. 958.
		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	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	59.	49.	20.	11.	6.	5.	4.	2.	1.	0.	0.
C	70.0	101.	75.	22.	15.	7.	5.	3.	2.	0.	0.	0.
A	67.5	145.	101.	26.	18.	8.	5.	3.	2.	0.	0.	0.
L	65.0	203.	127.	31.	18.	10.	5.	3.	1.	0.	0.	0.
	62.5	263.	154.	44.	17.	11.	6.	4.	2.	0.	0.	0.
A	60.0<<	311.	173.	65.	17.	12.	7.	4.	2.	0.	0.	0.
N	57.5	352.	184.	87.	19.	12.	8.	5.	4.	2.	0.	0.
G	55.0	389.	196.	106.	23.	12.	10.	7.	5.	3.	1.	1.
L	52.5	423.	211.	122.	28.	13.	11.	9.	8.	7.	5.	5.
E	50.0	460.	226.	138.	41.	15.	12.	13.	13.	14.	12.	12.
	47.5	488.	246.	155.	66.	20.	15.	16.	18.	19.	18.	18.
	45.0	512.	264.	167.	94.	31.	19.	20.	22.	25.	24.	24.
	42.5	532.	282.	178.	119.	45.	26.	23.	25.	28.	28.	29.
	40.0	552.	303.	192.	138.	70.	37.	29.	28.	29.	31.	30.
	37.5	583.	334.	209.	155.	99.	48.	37.	32.	32.	33.	33.
	35.0	627.	377.	229.	172.	126.	70.	49.	40.	36.	35.	36.
	30.0	725.	491.	290.	223.	181.	146.	107.	74.	63.	61.	61.
	25.0	806.	601.	373.	327.	269.	240.	220.	193.	171.	151.	152.
	20.0	873.	705.	483.	416.	381.	341.	329.	315.	311.	300.	304.
	15.0	914.	790.	587.	490.	471.	460.	428.	418.	417.	413.	415.
	10.0	938.	858.	711.	602.	542.	513.	506.	507.	507.	507.	507.
	5.0	951.	912.	842.	779.	726.	683.	648.	622.	614.	598.	598.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	23
5- 10	75
10- 15	139
15- 20	214
20- 25	294
25- 30	378
30- 35	463
35- 40	553
40- 45	648
45- 50	741
50- 55	822
55- 60	887
60- 65	916
65- 70	886
70- 75	770
75- 80	613
80- 85	450
85- 90	225
90- 95	42
95-100	7
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	98
0- 20	451
0- 30	1123
0- 40	2139
0- 50	3528
0- 60	5237
0- 70	7039
0- 80	8421
0- 90	9096
0-100	9145
0-110	9155
0-120	9165
0-130	9173
0-140	9180
0-150	9185
0-160	9189
0-170	9192
0-180	9192