

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 15 foot mounting height.



REPORT NUMBER: SCALED FROM RAB01052
 ISSUE DATE: 08/03/15 PAGE: 1 OF 10
 DATE SAMPLE TESTED: 08/03/15
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED5T26N/480 (TYPE V - Short - Semicutoff)

LUMINAIRE: CAST BROWN PAINTED METAL POSTTOP FITTER WITH 3 FABRICATED BROWN PAINTED METAL VERTICAL POSTS, 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.

(SEE PAGE 2 FOR MORE INFORMATION)

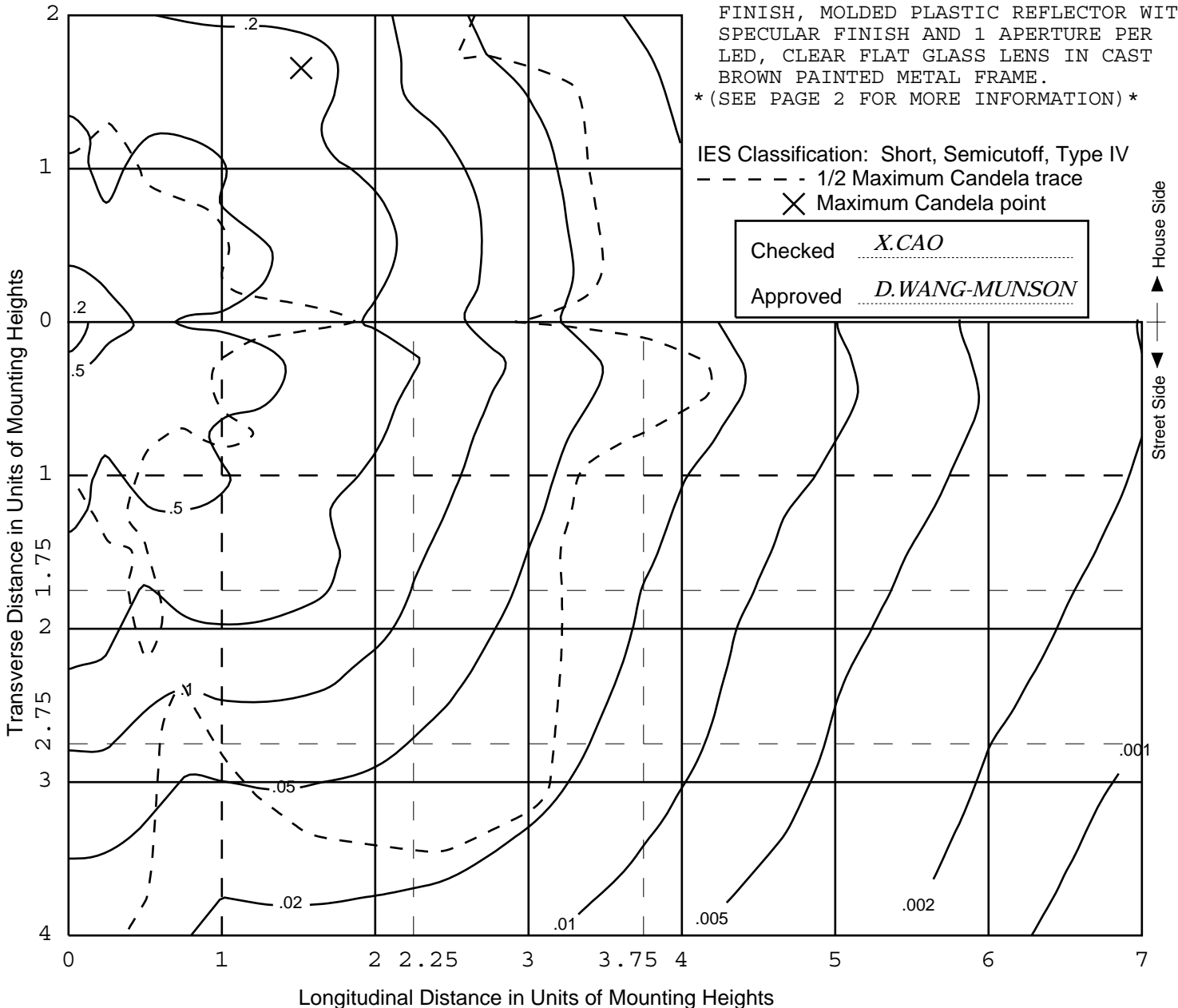
IES Classification: Short, Semicutoff, Type IV

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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ADDITIONAL INFORMATION

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

TOTAL INPUT WATTS = 26.902 AT 480.0 VOLTS

LED DRIVERS: RD-LT40-A0700-60PF

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE TO THE LED DRIVERS.

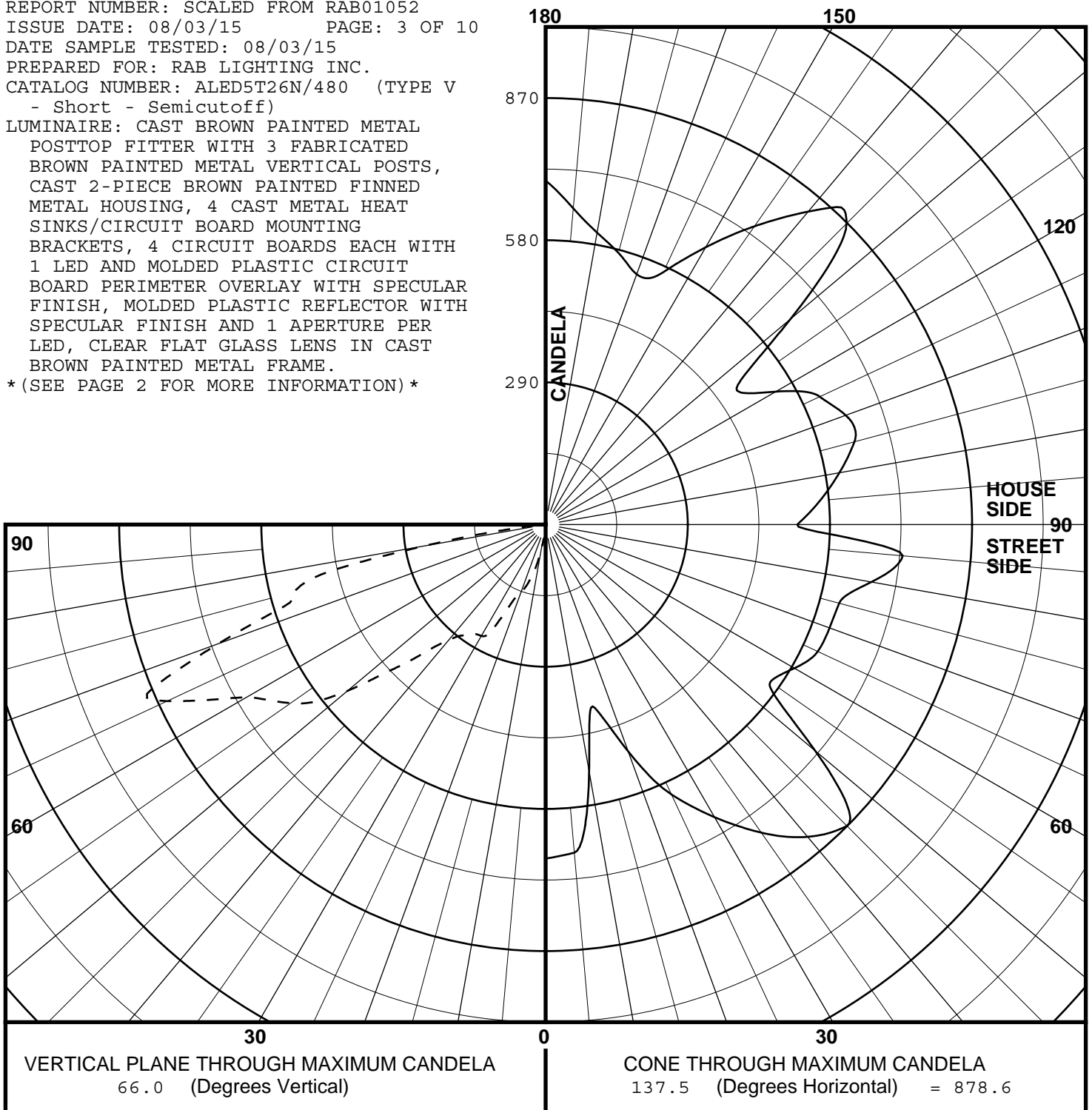
TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 28.25 FEET

ACCREDITED LABORATORY CODE 201058-0

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

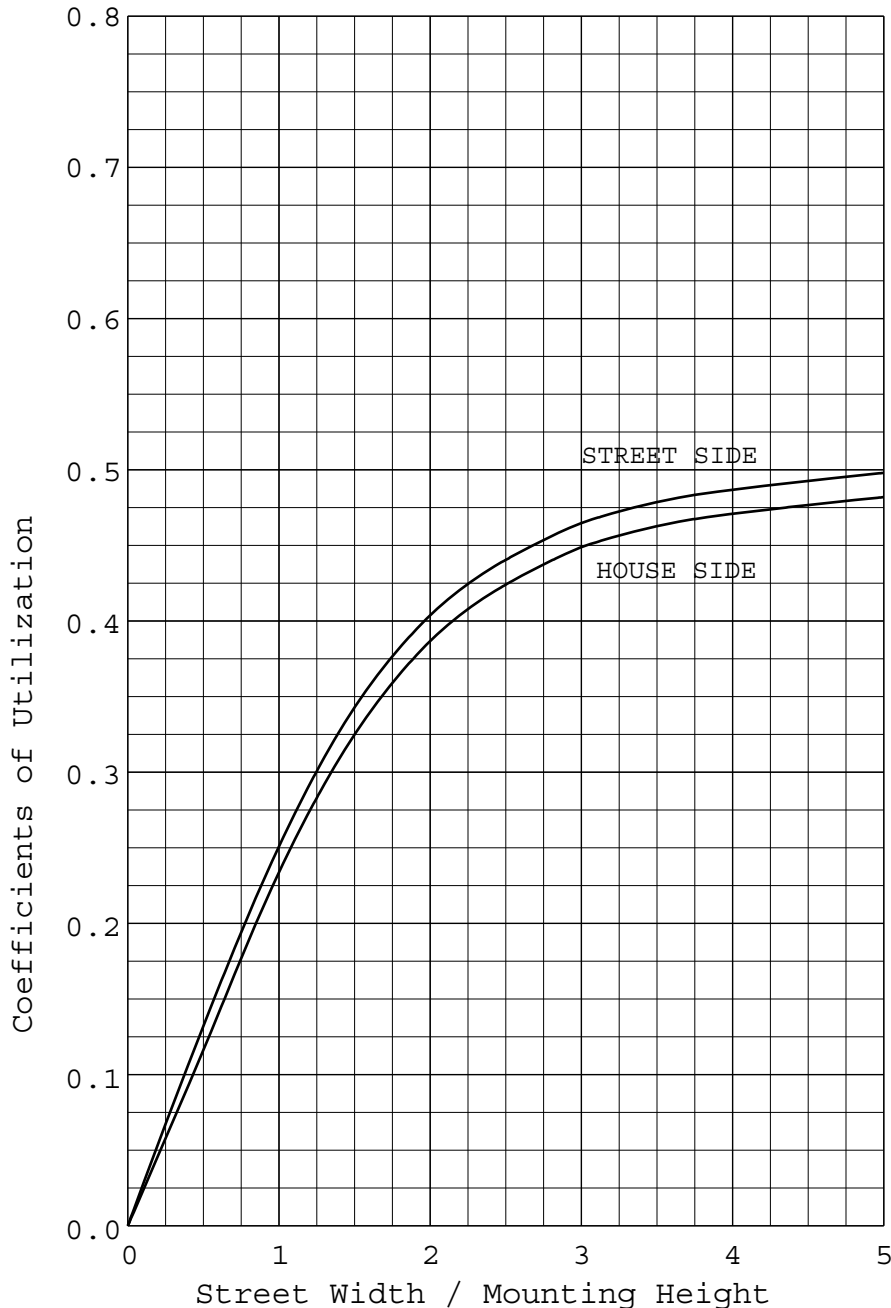
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 - Short - Semicutoff)
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 POSTTOP FITTER WITH 3 FABRICATED
 BROWN PAINTED METAL VERTICAL POSTS,
 CAST 2-PIECE BROWN PAINTED FINNED
 METAL HOUSING, 4 CAST METAL HEAT
 SINKS/CIRCUIT BOARD MOUNTING
 BRACKETS, 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.
 (SEE PAGE 2 FOR MORE INFORMATION)



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	1118.	50.5
DOWNWARD HOUSE SIDE	1087.	49.1
DOWNWARD TOTAL	2205.	99.7
UPWARD STREET SIDE	3.	0.2
UPWARD HOUSE SIDE	4.	0.2
UPWARD TOTAL	7.	0.3
TOTAL FLUX	2212.	100.0
TOTAL INPUT WATTS = 26.902		
EFFICACY = 82.2 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.

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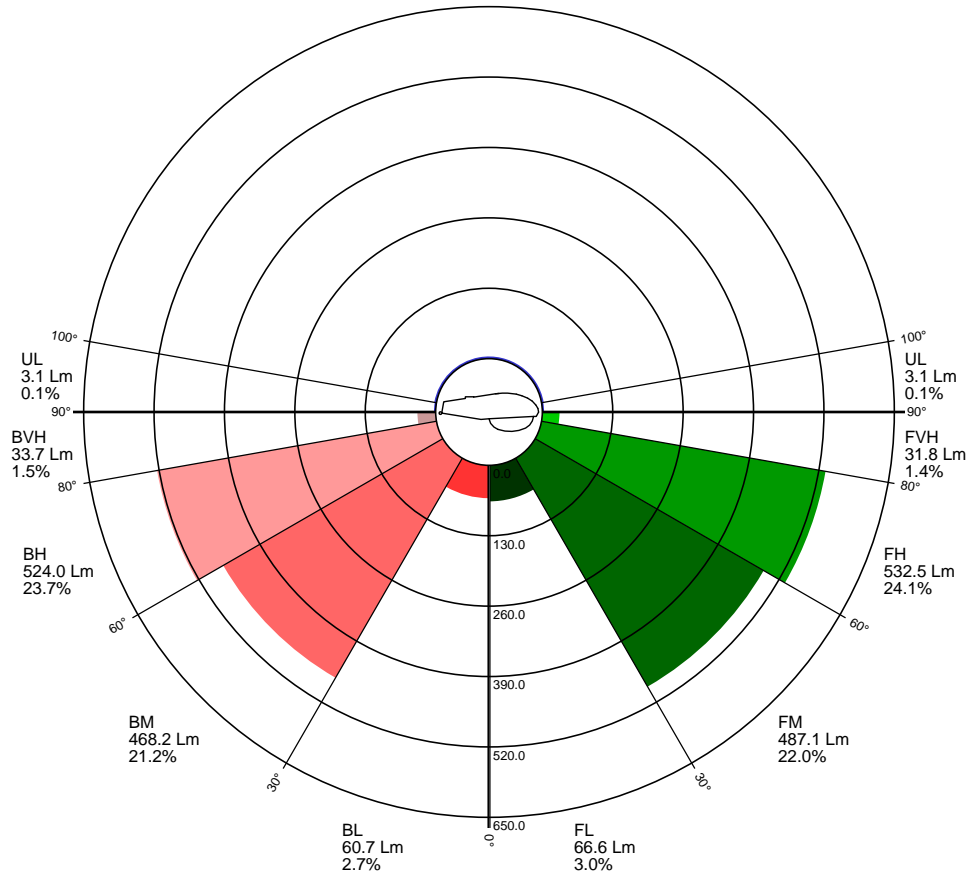
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 DATE SAMPLE TESTED: 08/03/15

BUG Rating:				B2 U1 G1		
Zonal Summary				Zone Ratings		
				B	U	G
Forward		1118	50.5			
FL	(0° - 30°)	66.6	3.0			
FM	(30° - 60°)	487.1	22.0			
FH	(60° - 80°)	532.5	24.1			G0
FVH	(80° - 90°)	31.8	1.4			G1
Backward		1087	49.1			
BL	(0° - 30°)	60.7	2.7	B0		
BM	(30° - 60°)	468.2	21.2	B1		
BH	(60° - 80°)	524.0	23.7	B2		G0
BVH	(80° - 90°)	33.7	1.5			G1
Upward		7	0.3			
UL	(90° - 100°)	3.1	0.1		U1	
UH	(100° - 180°)	4.1	0.2		U1	
Trapped Light		0	0.0			
Total Flux		2212	100.0			

Zonal Lumen Summary

(Linear scale)

UH
4.1 Lm
0.2%

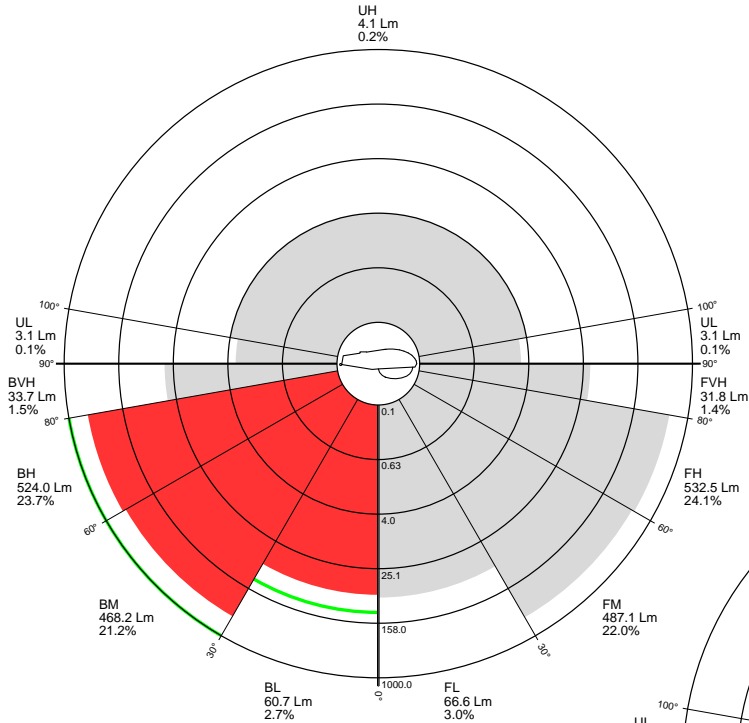


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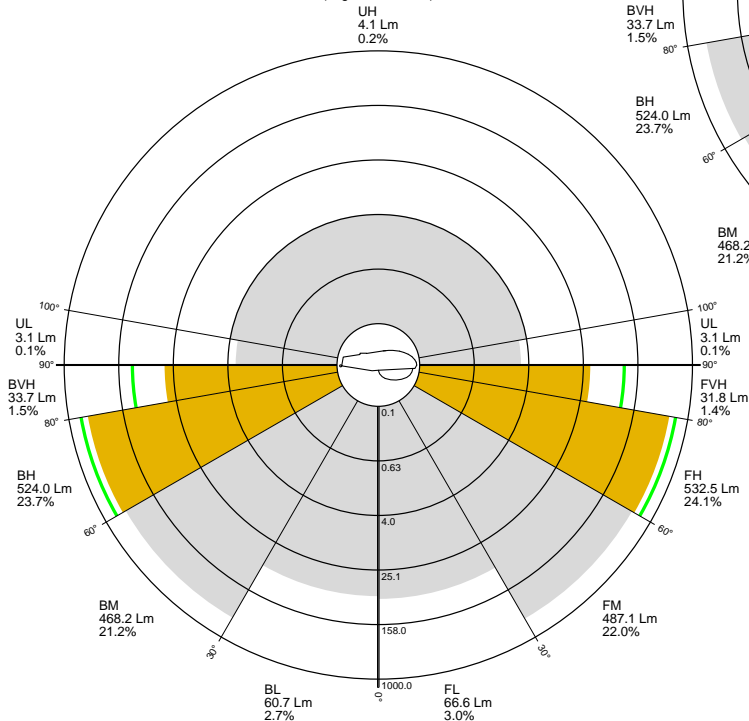
Backlight Rating Details

(Logarithmic scale)



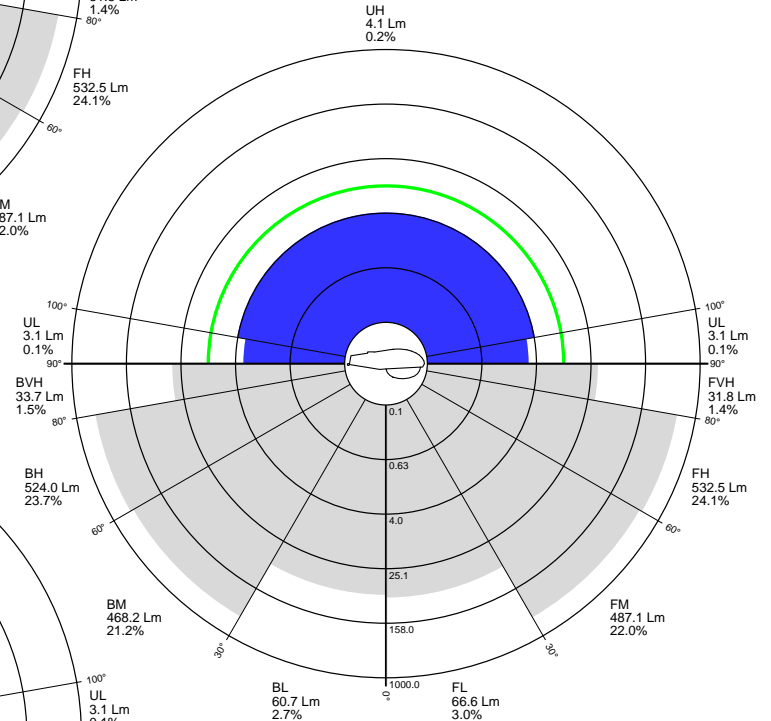
Glare Rating Details

(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.	1.	1.	1.	0.	1.	1.	0.	0. 1.
	115.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	105.0	2.	2.	3.	2.	2.	3.	2.	2.	3. 2.
	95.0	2.	3.	3.	3.	3.	3.	3.	3.	3.
	90.0	2.	3.	3.	3.	3.	3.	2.	2.	3. 3.
	87.5	7.	8.	5.	6.	6.	6.	5.	5.	7. 11.
	85.0	26.	22.	19.	21.	19.	26.	20.	19.	23. 31.
	82.5	137.	125.	69.	78.	75.	75.	88.	86.	106. 132.
V	80.0	277.	267.	162.	199.	243.	223.	229.	195.	217. 276.
E	77.5	410.	377.	233.	302.	402.	429.	360.	288.	295. 419.
R	75.0	539.	503.	304.	433.	518.	529.	469.	408.	399. 531.
T	72.5	547.	545.	350.	512.	633.	577.	545.	507.	488. 582.
I	70.0	589.	595.	383.	556.	685.	718.	586.	562.	554. 637.
C	67.5	662.	653.	392.	591.	746.	846.	589.	597.	620. 719.
A	66.0 <<	681.	672.	387.	608.	767.	869.	560.	612.	620. 731.
L	65.0	672.	664.	373.	614.	763.	853.	538.	628.	622. 724.
	62.5	631.	624.	351.	614.	741.	791.	478.	629.	621. 679.
A	60.0	598.	601.	344.	612.	706.	733.	428.	631.	607. 646.
N	57.5	573.	574.	334.	605.	664.	677.	392.	622.	592. 614.
G	55.0	552.	553.	325.	580.	612.	642.	351.	602.	580. 595.
L	52.5	537.	540.	314.	547.	568.	600.	336.	567.	560. 579.
E	50.0	509.	510.	296.	506.	533.	558.	322.	525.	524. 545.
	47.5	471.	468.	274.	463.	506.	501.	307.	479.	475. 497.
	45.0	427.	420.	254.	418.	459.	423.	294.	428.	433. 446.
	42.5	387.	379.	237.	386.	415.	357.	300.	387.	402. 402.
	40.0	356.	352.	238.	359.	383.	311.	313.	325.	383. 376.
	37.5	353.	345.	239.	323.	356.	279.	323.	270.	345. 351.
	35.0	340.	321.	227.	289.	327.	277.	321.	248.	326. 329.
	30.0	321.	274.	242.	252.	227.	248.	311.	251.	306. 292.
	25.0	242.	200.	209.	224.	164.	216.	253.	204.	224. 252.
	20.0	100.	115.	177.	146.	154.	178.	160.	173.	164. 170.
	15.0	61.	64.	78.	105.	137.	119.	114.	102.	91. 84.
	10.0	35.	37.	44.	52.	51.	58.	50.	49.	48. 42.
	5.0	24.	24.	25.	26.	28.	39.	33.	29.	27. 25.
	0.0	22.	22.	22.	22.	22.	22.	22.	22.	22. 22.

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	137.5	145.0	155.0	165.0	175.0
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	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
115.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
105.0	2.	2.	3.	2.	2.	3.	3.	3.	3.	3.	2.
95.0	3.	3.	4.	3.	3.	3.	3.	3.	3.	3.	3.
90.0	4.	4.	3.	2.	2.	3.	3.	3.	3.	3.	3.
87.5	12.	10.	6.	5.	6.	7.	7.	7.	6.	6.	6.
85.0	33.	34.	22.	17.	21.	22.	21.	22.	19.	20.	31.
82.5	126.	128.	97.	87.	81.	83.	84.	97.	85.	106.	140.
V 80.0	241.	284.	214.	208.	207.	248.	252.	264.	196.	213.	302.
E 77.5	357.	420.	307.	305.	297.	460.	468.	394.	283.	293.	411.
R 75.0	401.	418.	408.	430.	354.	540.	532.	504.	383.	390.	407.
T 72.5	428.	476.	498.	514.	427.	580.	564.	605.	473.	470.	465.
I 70.0	447.	516.	585.	571.	476.	740.	711.	695.	516.	546.	570.
C 67.5	510.	550.	637.	602.	485.	867.	864.	750.	551.	572.	620.
A 66.0<<	513.	562.	652.	617.	477.	868.	879.	743.	568.	574.	647.
L 65.0	505.	554.	646.	621.	461.	851.	852.	726.	568.	552.	630.
62.5	445.	484.	629.	627.	446.	779.	775.	704.	577.	530.	601.
A 60.0	414.	452.	622.	627.	448.	702.	705.	691.	578.	505.	583.
N 57.5	393.	428.	604.	612.	443.	667.	667.	658.	578.	461.	564.
G 55.0	377.	409.	583.	583.	438.	615.	635.	609.	558.	424.	538.
L 52.5	363.	389.	561.	533.	450.	550.	594.	565.	529.	379.	527.
E 50.0	342.	359.	520.	462.	448.	492.	528.	525.	489.	331.	491.
47.5	310.	318.	477.	388.	434.	431.	453.	485.	452.	279.	450.
45.0	280.	284.	435.	327.	402.	380.	394.	443.	412.	243.	402.
42.5	250.	252.	404.	290.	371.	337.	342.	397.	389.	226.	361.
40.0	230.	231.	372.	264.	344.	313.	308.	363.	337.	214.	346.
37.5	209.	216.	346.	243.	323.	290.	286.	319.	289.	199.	342.
35.0	204.	210.	328.	230.	306.	276.	275.	276.	259.	186.	327.
30.0	202.	205.	278.	242.	293.	275.	262.	214.	224.	173.	292.
25.0	183.	174.	202.	229.	238.	231.	201.	155.	157.	155.	211.
20.0	118.	118.	163.	179.	168.	147.	149.	140.	134.	99.	97.
15.0	83.	86.	87.	101.	108.	106.	110.	117.	95.	79.	70.
10.0	39.	37.	36.	40.	44.	48.	51.	54.	48.	42.	38.
5.0	24.	23.	23.	25.	25.	27.	27.	32.	31.	28.	26.
0.0	22.	22.	22.	22.	22.	22.	22.	22.	22.	22.	22.

||
 PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

HOUSE SIDE	LATERAL ANGLE
	180.0
	180.0 0.
	175.0 0.
	165.0 0.
	155.0 0.
	145.0 0.
	135.0 0.
	125.0 1.
	115.0 1.
	105.0 3.
	95.0 3.
	90.0 2.
	87.5 6.
	85.0 25.
	82.5 133.
V	80.0 300.
E	77.5 414.
R	75.0 418.
T	72.5 488.
I	70.0 586.
C	67.5 671.
A	66.0<< 702.
L	65.0 666.
	62.5 616.
A	60.0 595.
N	57.5 561.
G	55.0 537.
L	52.5 524.
E	50.0 492.
	47.5 444.
	45.0 393.
	42.5 353.
	40.0 343.
	37.5 343.
	35.0 328.
	30.0 292.
	25.0 227.
	20.0 96.
	15.0 73.
	10.0 37.
	5.0 27.
	0.0 22.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	1
5- 10	3
10- 15	9
15- 20	20
20- 25	37
25- 30	58
30- 35	79
35- 40	100
40- 45	129
45- 50	172
50- 55	218
55- 60	257
60- 65	294
65- 70	314
70- 75	266
75- 80	182
80- 85	60
85- 90	5
90- 95	2
95-100	2
100-105	1
105-110	1
110-115	1
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	3
0- 20	32
0- 30	127
0- 40	307
0- 50	608
0- 60	1083
0- 70	1690
0- 80	2139
0- 90	2205
0-100	2208
0-110	2210
0-120	2211
0-130	2212
0-140	2212
0-150	2212
0-160	2212
0-170	2212
0-180	2212