

REPORT NUMBER: PRORATED FROM RAB04717

PAGE: 1 OF 10

ISSUE DATE: 12/18/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: W34-55L

LUMINAIRE: WALLPACK WITH ALUMINUM PRECISION DIE CAST CONSTRUCTION, CLEAR GLASS LENS AND SPECULAR ALUMINUM REFLECTOR.

LAMPS: ONE HUNDRED AND TEN WHITE LIGHT EMITTING DIODES (LEDs)

ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04717 WHICH WAS W34-55L-830. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 51.1 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-SLP-050-A1400-P (-40C)

NOTE: LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

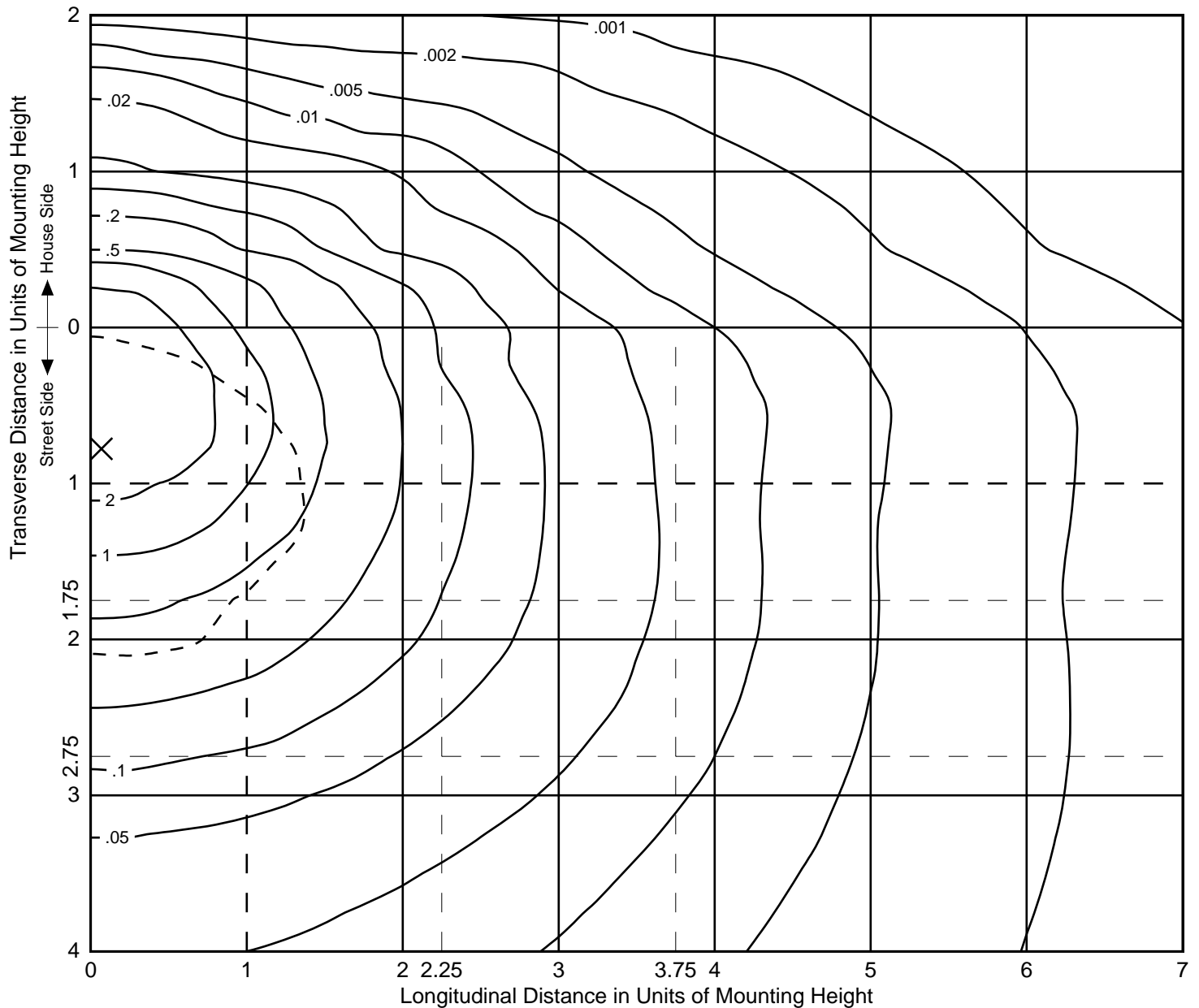
Values based on 20-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

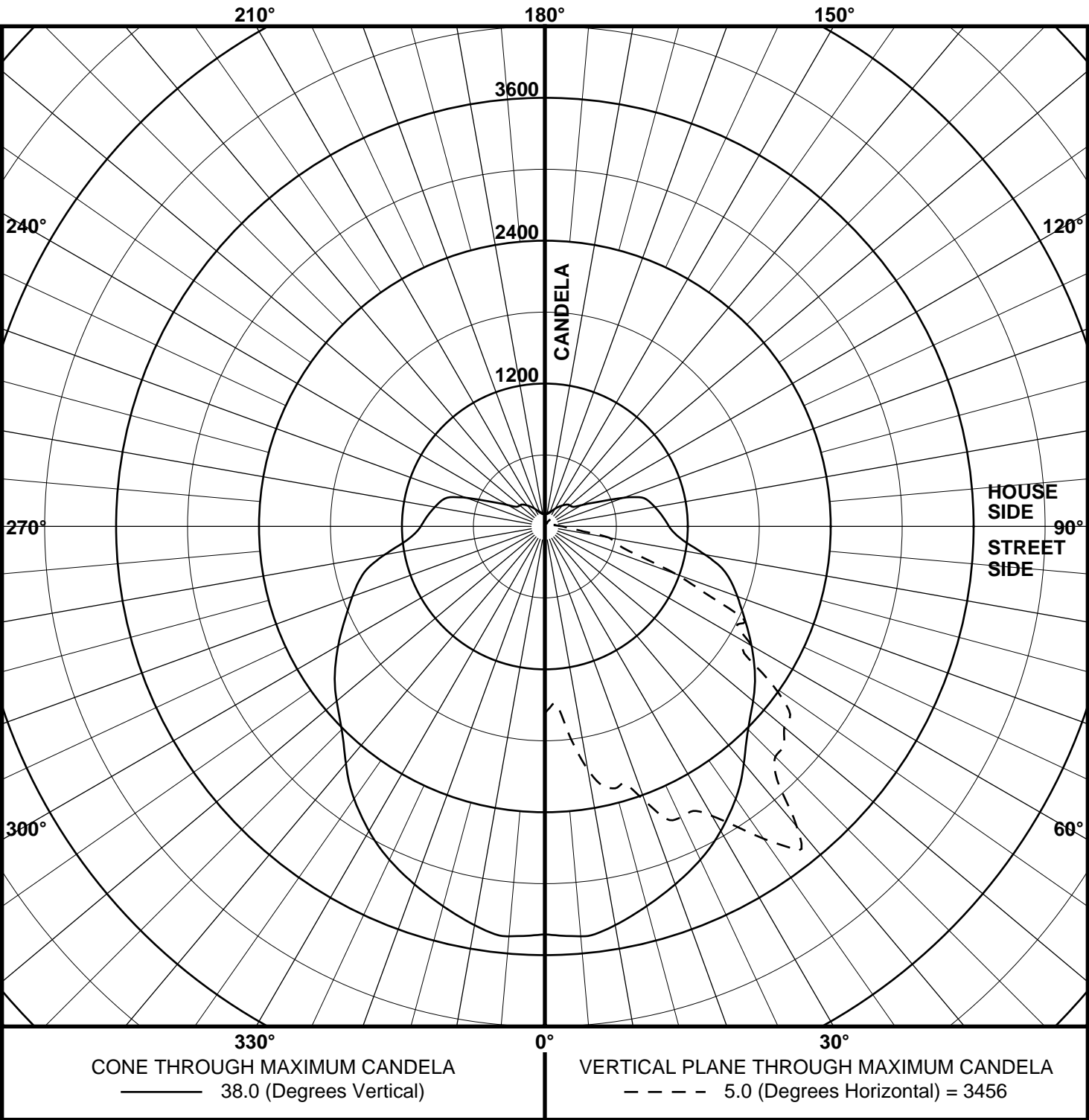
× Maximum Candela point



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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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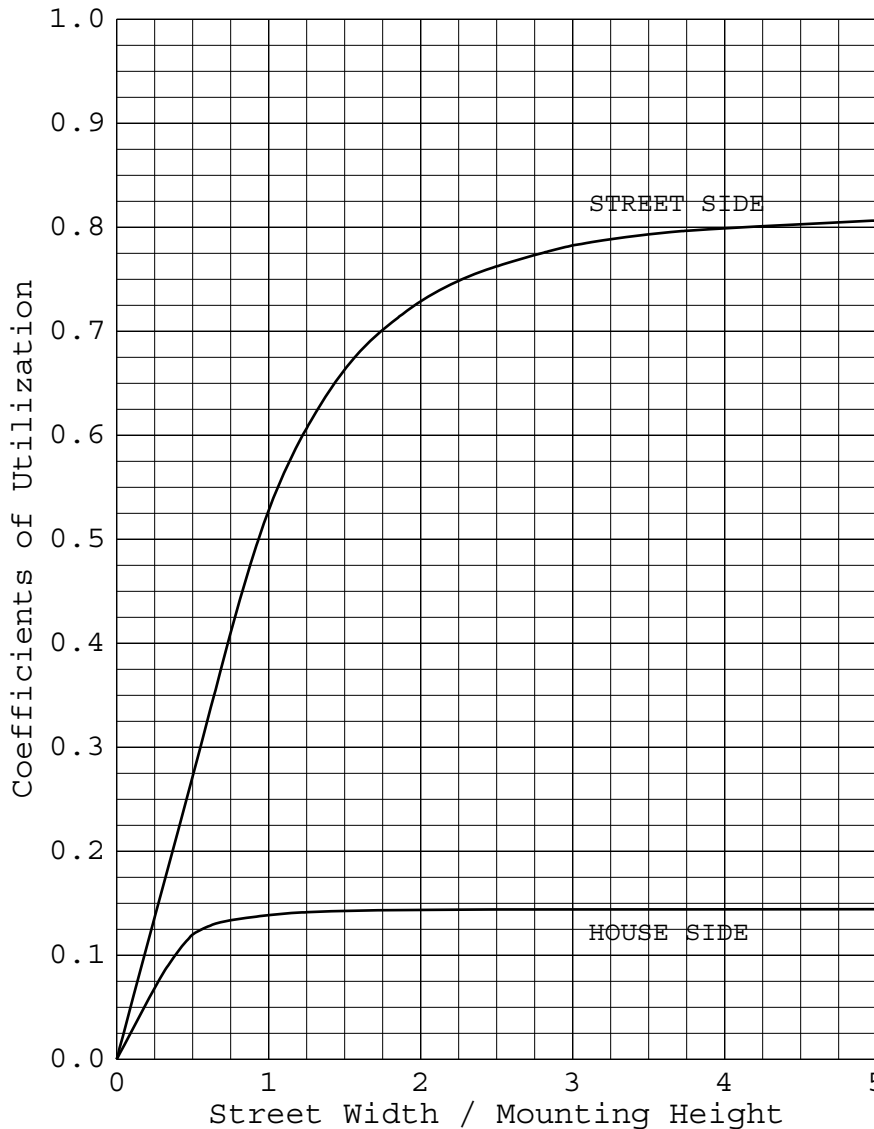
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	4428	82.4
DOWNWARD HOUSE SIDE	782	14.5
DOWNWARD TOTAL	5209	96.9
UPWARD STREET SIDE	148	2.8
UPWARD HOUSE SIDE	18	0.3
UPWARD TOTAL	166	3.1
TOTAL FLUX	5375	100.0

EFFICACY = 105.2 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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BUG Rating			<div> <div>B1</div> <div>U3</div> <div>G2</div> </div>		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	4428			
FM	(30° – 60°)	857.5			
FH	(60° – 80°)	2435.7			
FVH	(80° – 90°)	1012.9			G1
		121.5			G2
Backward					
BL	(0° – 30°)	782			
BM	(30° – 60°)	359.6			
BH	(60° – 80°)	341.9			
BVH	(80° – 90°)	72.8			
		7.4			
Upward					
UL	(90° – 100°)	166			
UH	(100° – 180°)	42.8			
		123.0			
Trapped Light					
Total Flux					

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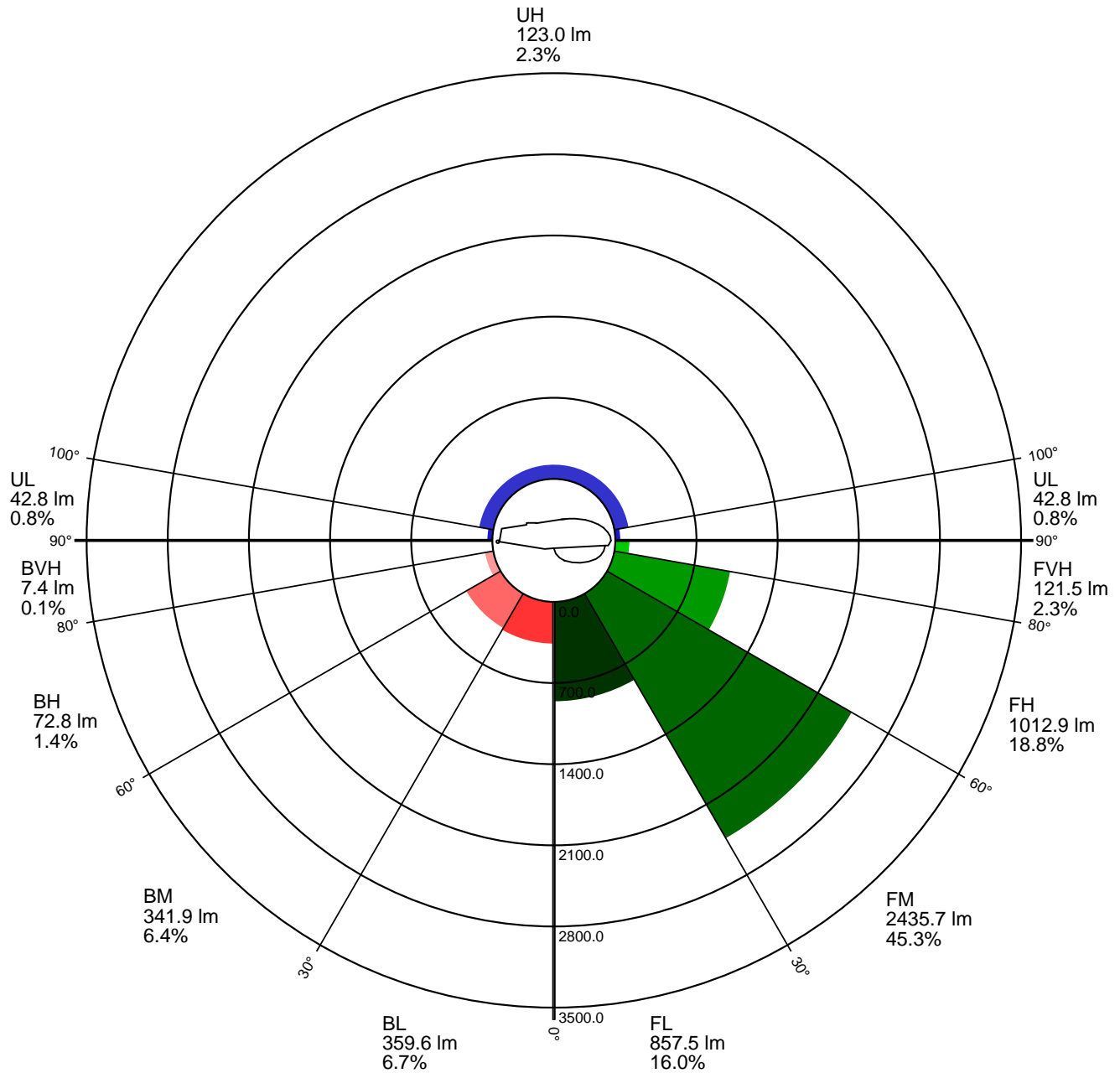
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Zonal Lumen Summary

(Linear scale)



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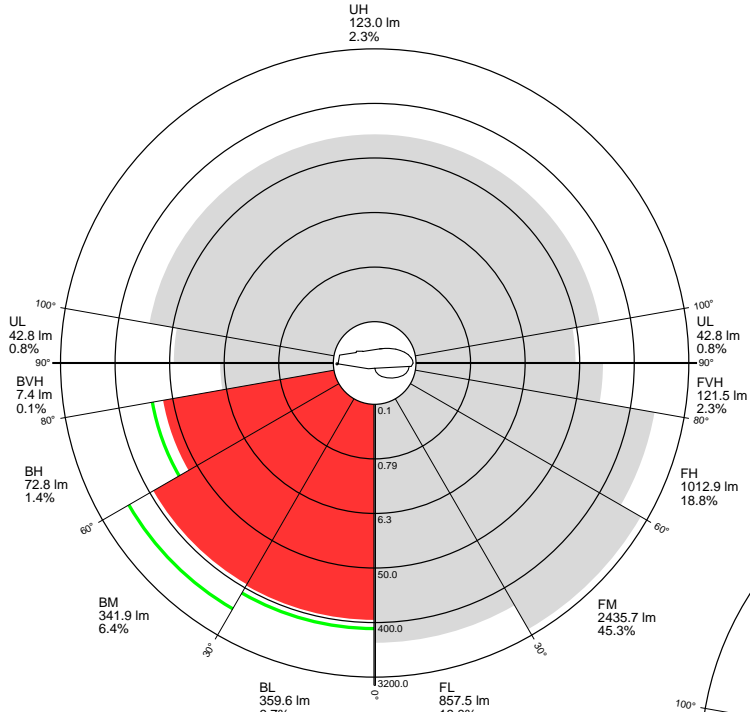
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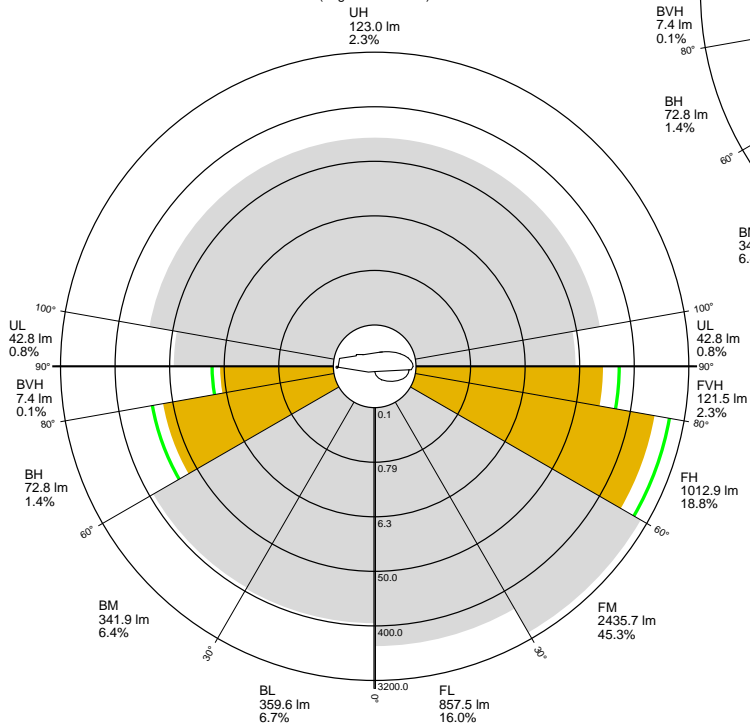
Backlight Rating Details

(Logarithmic scale)



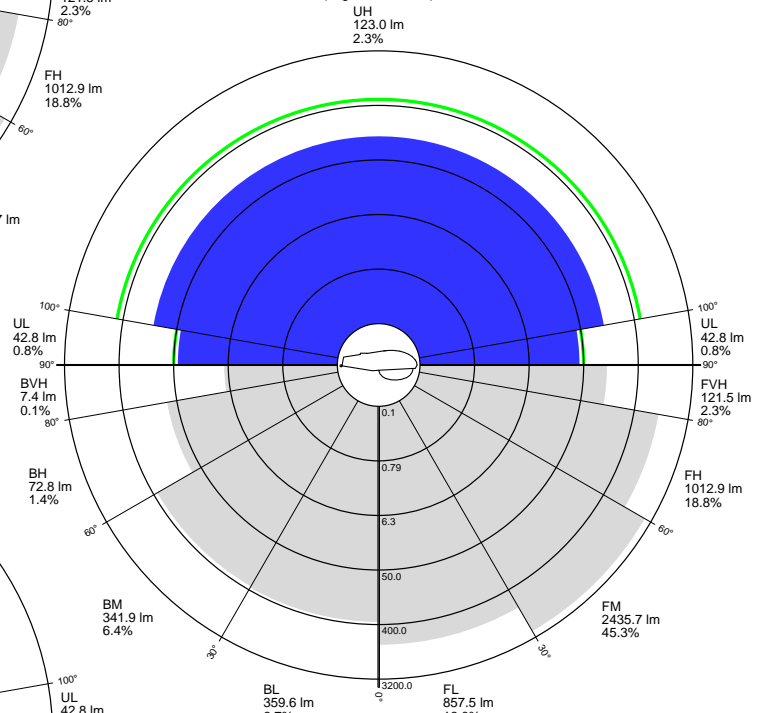
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	7.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
180.0	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
175.0	1.	1.	1.	2.	2.	3.	3.	4.	4.	5.	5.
165.0	10.	10.	10.	9.	8.	7.	6.	5.	4.	5.	5.
155.0	27.	28.	28.	26.	23.	19.	15.	11.	7.	5.	5.
145.0	58.	59.	58.	55.	51.	41.	31.	21.	13.	9.	6.
135.0	82.	81.	81.	79.	74.	63.	49.	33.	20.	12.	9.
125.0	91.	91.	90.	88.	78.	64.	51.	39.	26.	14.	12.
115.0	81.	80.	80.	77.	69.	58.	46.	38.	30.	23.	18.
105.0	103.	103.	101.	93.	80.	63.	49.	41.	35.	27.	22.
95.0	93.	93.	93.	91.	87.	80.	68.	62.	58.	39.	26.
92.5	115.	116.	115.	114.	107.	94.	84.	81.	74.	46.	30.
90.0	148.	148.	148.	145.	135.	116.	114.	108.	93.	59.	42.
87.5	180.	181.	180.	173.	168.	161.	157.	148.	132.	85.	65.
85.0	234.	232.	231.	227.	226.	224.	246.	234.	179.	116.	103.
V 82.5	323.	327.	328.	332.	367.	376.	365.	294.	243.	175.	164.
E 80.0	547.	548.	546.	540.	528.	488.	417.	391.	340.	261.	246.
R 77.5	602.	602.	595.	581.	544.	528.	541.	542.	475.	364.	348.
T 75.0	666.	664.	652.	644.	648.	679.	735.	728.	607.	459.	369.
I 72.5	830.	844.	826.	842.	900.	959.	991.	933.	742.	570.	401.
C 70.0	1130.	1167.	1133.	1179.	1289.	1286.	1263.	1067.	889.	716.	456.
A 67.5	1470.	1441.	1432.	1442.	1553.	1499.	1359.	1168.	1026.	843.	507.
L 65.0	1754.	1839.	1802.	1792.	1655.	1572.	1510.	1380.	1144.	922.	592.
62.5	1798.	1819.	1783.	1772.	1754.	1777.	1648.	1533.	1314.	1022.	683.
A 60.0	1939.	2000.	1967.	1980.	1974.	1863.	1916.	1634.	1461.	1068.	751.
N 57.5	1966.	1984.	1958.	2123.	2108.	2191.	2030.	1751.	1566.	1138.	810.
G 55.0	2298.	2350.	2344.	2372.	2417.	2297.	2093.	1890.	1635.	1172.	852.
L 52.5	2492.	2596.	2598.	2623.	2453.	2348.	2239.	2012.	1717.	1260.	891.
E 50.0	2564.	2623.	2586.	2571.	2518.	2461.	2438.	2062.	1739.	1337.	941.
47.5	2621.	2720.	2733.	2693.	2579.	2649.	2586.	2118.	1764.	1390.	982.
45.0	2673.	2737.	2745.	2643.	2757.	2873.	2578.	2154.	1767.	1448.	1003.
42.5	2802.	2887.	2893.	2937.	3070.	2976.	2501.	2120.	1791.	1490.	1037.
40.0	3221.	3292.	3305.	3196.	3226.	2864.	2465.	2152.	1834.	1529.	1090.
38.0<<	3426.	3456.	3451.	3302.	3090.	2794.	2412.	2153.	1853.	1588.	1141.
37.5	3419.	3407.	3411.	3293.	3031.	2763.	2409.	2171.	1860.	1587.	1159.
35.0	3212.	3202.	3218.	3033.	2876.	2642.	2384.	2156.	1936.	1644.	1214.
30.0	2804.	2807.	2817.	2774.	2632.	2504.	2322.	2130.	1948.	1693.	1281.
25.0	2678.	2697.	2688.	2592.	2578.	2352.	2197.	2025.	1961.	1660.	1388.
20.0	2440.	2454.	2447.	2439.	2270.	2270.	2071.	1977.	1913.	1607.	1423.
15.0	2268.	2278.	2243.	2090.	2085.	2113.	2047.	1937.	1830.	1609.	1479.
10.0	2069.	2073.	2126.	2124.	2120.	1837.	1960.	1669.	1664.	1588.	1564.
5.0	1581.	1586.	1596.	1643.	1672.	1695.	1692.	1628.	1535.	1541.	1622.
0.0	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.

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
VERTICAL ELEVATION	180.0	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	175.0	5.	5.	5.	4.	4.	4.	3.	3.	2.	2.	2.
	165.0	5.	5.	5.	5.	5.	4.	4.	4.	4.	4.	4.
	155.0	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	145.0	6.	6.	6.	6.	5.	5.	6.	6.	6.	6.	6.
	135.0	7.	6.	6.	5.	5.	5.	5.	5.	5.	5.	5.
	125.0	10.	8.	6.	5.	5.	5.	4.	4.	4.	4.	4.
	115.0	17.	12.	7.	5.	5.	4.	4.	3.	3.	3.	3.
	105.0	21.	16.	9.	6.	5.	4.	4.	4.	4.	3.	3.
	95.0	17.	15.	11.	7.	5.	4.	3.	3.	3.	3.	3.
	92.5	20.	15.	12.	8.	5.	4.	3.	3.	2.	2.	2.
	90.0	29.	17.	15.	9.	5.	4.	3.	3.	2.	2.	2.
	87.5	50.	26.	20.	11.	6.	4.	3.	2.	2.	2.	2.
	85.0	83.	35.	28.	13.	7.	4.	3.	2.	2.	2.	1.
	82.5	132.	63.	38.	17.	8.	4.	3.	2.	1.	1.	1.
	80.0	188.	104.	52.	23.	9.	4.	2.	2.	1.	1.	1.
	77.5	250.	137.	67.	29.	11.	4.	2.	2.	1.	1.	1.
	75.0	300.	164.	81.	38.	14.	4.	2.	2.	1.	1.	0.
	72.5	362.	208.	103.	53.	21.	5.	2.	1.	1.	1.	0.
	70.0	444.	299.	125.	73.	31.	7.	2.	1.	1.	0.	0.
	67.5	512.	422.	145.	101.	42.	18.	2.	1.	1.	0.	0.
	65.0	564.	525.	157.	129.	55.	28.	13.	2.	1.	0.	0.
	62.5	659.	615.	185.	155.	71.	36.	23.	16.	7.	4.	4.
	60.0	724.	670.	228.	179.	90.	45.	34.	28.	23.	22.	23.
	57.5	781.	743.	299.	196.	108.	56.	42.	38.	37.	35.	35.
	55.0	824.	802.	366.	209.	133.	67.	51.	47.	47.	46.	47.
	52.5	844.	870.	452.	227.	159.	80.	59.	55.	54.	55.	56.
	50.0	889.	914.	550.	251.	185.	97.	67.	60.	63.	63.	64.
47.5	922.	927.	642.	271.	207.	124.	75.	64.	63.	66.	67.	
45.0	929.	947.	724.	303.	228.	160.	96.	69.	66.	65.	65.	
42.5	954.	969.	791.	343.	252.	196.	131.	83.	68.	67.	67.	
40.0	988.	973.	833.	410.	268.	234.	166.	114.	87.	74.	74.	
38.0<<	1041.	990.	882.	482.	287.	259.	200.	145.	118.	100.	102.	
37.5	1046.	1001.	915.	500.	291.	264.	209.	154.	125.	109.	111.	
35.0	1081.	985.	993.	636.	316.	279.	254.	202.	168.	148.	149.	
30.0	1168.	1019.	1115.	857.	497.	325.	292.	272.	262.	248.	253.	
25.0	1271.	1148.	1202.	983.	794.	513.	347.	319.	311.	290.	293.	
20.0	1373.	1270.	1126.	1159.	992.	881.	705.	551.	395.	373.	376.	
15.0	1470.	1295.	1085.	1194.	1209.	1089.	961.	969.	888.	863.	860.	
10.0	1552.	1406.	1387.	1082.	1312.	1154.	1334.	1184.	1076.	1074.	1077.	
5.0	1608.	1525.	1352.	1352.	1459.	1267.	1091.	1051.	1042.	1087.	1110.	
0.0	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	1569.	

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	35
5- 10	107
10- 15	181
15- 20	243
20- 25	299
25- 30	353
30- 35	409
35- 40	466
40- 45	487
45- 50	490
50- 55	483
55- 60	444
60- 65	392
65- 70	326
70- 75	224
75- 80	144
80- 85	86
85- 90	43
90- 95	25
95-100	18
100-105	17
105-110	15
110-115	14
115-120	13
120-125	13
125-130	12
130-135	11
135-140	9
140-145	7
145-150	5
150-155	3
155-160	2
160-165	1
165-170	1
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	142
0- 20	566
0- 30	1217
0- 40	2092
0- 50	3068
0- 60	3995
0- 70	4712
0- 80	5080
0- 90	5209
0-100	5252
0-110	5284
0-120	5311
0-130	5336
0-140	5356
0-150	5368
0-160	5373
0-170	5375
0-180	5375